

nm/mird PAMPHLET NO. 11

**"S," ABSORBED DOSE PER UNIT CUMULATED ACTIVITY
FOR SELECTED RADIONUCLIDES AND ORGANS**

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FOREWORD

The Medical Internal Radiation Dose (MIRD) Committee of the Society of Nuclear Medicine is charged with the responsibility of providing the nuclear medicine community with guidance on how to calculate the radiation dose from radionuclides and with useful information for calculating the radiation dose as well as preparing dose estimates for radiopharmaceuticals.

To facilitate dose calculations, this pamphlet provides values for the absorbed dose per unit cumulated activity (given the symbol S) for over 110 radionuclides. The values of S are given for selected source and target organs. The use of an S value does not impose any restrictions on the metabolic model to be used for dosimetric purposes.

This is the second in a new series of MIRD Committee publications made available in loose-leaf binder format. This format allows the Committee to provide revisions and additions to the data at a nominal cost. Announcements of new data sheets will appear in the *Journal of Nuclear Medicine*.

The data in this pamphlet have been reviewed carefully by many qualified individuals, but as always, the Committee welcomes comments. The Committee would especially appreciate receiving suggestions regarding additional radionuclides and organs to be added.

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ROGER J. CLOUTIER, Chairman
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This publication is available from the Medical Internal Radiation Dose Committee for \$10.20 per copy including the loose-leaf binder. Copies are also available without the loose-leaf binder for \$7.95 per copy. Check made payable to the Society of Nuclear Medicine or a purchase order must accompany all orders.

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1. INTRODUCTION

The mean absorbed dose $\bar{D}(r_k \leftarrow r_h)$ expressed in rads to a target organ r_k from a radionuclide distributed uniformly in a source organ r_h has been formulated by the MIRD Committee (1,2) as

$$\begin{aligned} \bar{D}(r_k \leftarrow r_h) &= \frac{\tilde{A}_h}{m_k} \sum_i \Delta_i \phi_i(r_k \leftarrow r_h) \\ &= \tilde{A}_h \sum_i \Delta_i \Phi_i(r_k \leftarrow r_h), \end{aligned} \quad (1)$$

where \tilde{A}_h ($\mu\text{Ci}\cdot\text{h}$) is the cumulated activity in source organ r_h , m_k (gm) is the mass of the target organ r_k , Δ_i (gm-rad/ $\mu\text{Ci}\cdot\text{h}$) is the equilibrium dose constant for particles of a particular type and energy, here indicated by i , and $\phi_i(r_k \leftarrow r_h)$ and $\Phi_i(r_k \leftarrow r_h)$ represent, respectively, the absorbed fraction and the specific absorbed fraction of energy for target organ r_k for particles i emitted in source organ r_h .

Most of the biologic data needed for the estimation of dose are embodied in the cumulated activity \tilde{A}_h , while the remaining portion of the right member of Eq. 1 involves physical and anatomic data. Thus, it is convenient to introduce the quantity

$$S(r_k \leftarrow r_h) = \sum_i \Delta_i \Phi_i(r_k \leftarrow r_h). \quad (2)$$

The biologic data used in estimating dose relate only to the anthropomorphic model used (size, shape, density, and composition) and to the distribution and retention of the radionuclide in source organ r_h . Therefore, S can be tabulated as defined by Eq. 2 for radionuclides and source-target configurations commonly used in nuclear medicine. The average dose from a specified radionuclide can be calculated by the simple formula

$$\bar{D}(r_k \leftarrow r_h) = \tilde{A}_h S(r_k \leftarrow r_h). \quad (3)$$

Since there are generally a number of source organs, the total average dose to target organ r_k is given by

$$\begin{aligned} \bar{D}(r_k) &= \sum_h \bar{D}(r_k \leftarrow r_h) \\ &= \sum_h \tilde{A}_h S(r_k \leftarrow r_h). \end{aligned} \quad (4)$$

In order to use the tables presented in this pamphlet to compute the absorbed dose, it is necessary to calculate the cumulated source activity in organ r_h ,

$$\tilde{A}_h = \int_{t_1}^{t_2} A_h(t) dt, \quad (5)$$

over the time interval of interest. The average dose to target organ r_k from source organ r_h is obtained from Eq. 3.

The advantage of this formulation is that the values of S for the specified anatomic model can be tabulated for each radionuclide, thus sparing the user considerable numerical work. It is assumed that the activity is distributed uniformly in the source organ, and the phantom used in estimating the specific absorbed fractions is essentially that of *MIRD Pamphlet No. 5* (3) with some modifications as discussed later. If these assumptions are not considered appropriate, or if a more detailed spatial distribution of the dose than the mean dose to the complete target organ is wanted, then the tables of S values presented here should not be used, and a more detailed calculation must be made ab initio. The masses assumed for the organs and tissues of the body are given in Table 1, and the decay scheme data given by Dillman (4) have been used throughout.

2. S FOR PHOTONS

The estimates of S for photons are the results of new Monte Carlo estimates as described in the revision of *MIRD Pamphlet No. 5* (5). Although the method of calculations is basically unchanged, the Monte Carlo estimates are based on a sample of 60,000 photons for each of the 12 monoenergetic sources used in *MIRD Pamphlet No. 5* (3). No

TABLE 1. MASSES OF BODY ORGANS USED IN THE REFERENCE MAN REPORT AND IN THE PHANTOM

Body organs	Abbreviation	Mass (gm)	
		Reference man report	Phantom
Adrenals	AD	14	15.5
Bladder			
Wall	BLADW	45	45.13
Contents	BLADC	200	200
Gastrointestinal tract			
Stomach			
Wall	STW	150	150
Contents	STC	250	246.9
Small intestine and contents	SI	640 wall 400 contents	1,044 wall plus contents
Upper large intestine			
Wall	ULIW	210	209.2
Contents	ULIC	220	200
Lower large intestine			
Wall	LLIW	160	160.1
Contents	LLIC	135	136.8
Kidneys (both)	KI	310	284.2
Liver	LI	1,800	1,809
Lungs (both, including blood)	LU	1,000	999.2
Other tissue	OT	48,000	48,480 (2,800 gm suggested for muscle; 12,500 gm for separable adipose tissue)
Ovaries (both)	OV	11	8.268
Pancreas	PA	100	60.27
Salivary glands	SALG	85	Not represented
Skeleton	SKEL	10,000	10,470
Cortical bone	CORTB	4,000	4,000
Trabecular bone	TRAB	1,000	1,000
Red marrow	RM	1,500	1,500
Yellow marrow	YM	1,500	1,500
Cartilage	CART	1,100	1,100
Other constituents	—	900	1,370
Spleen	SP	180	173.6
Testes	TE	35	37.08
Thyroid	THY	20	19.63
Uterus	UT	80	65.4
Total body	TB	70,000	69,880

estimates were accepted if the coefficient of variation exceeded 50%.

There have been a number of changes in the phantom used in these calculations which are mentioned here in outline. The reader is referred to the revision of *MIRD Pamphlet No. 5* (5) for a detailed presentation. The masses of many organs have been changed somewhat to bring them more nearly in accord with those selected by an ICRP task group on reference man (6). Some of these changes are the result of separating organs consisting of walls (gastrointestinal tract and bladder) from their contents. The estimates given in *MIRD Pamphlet No. 5* were for walls and contents taken together. Thus the new model is more nearly representative of the actual situation, and consequently, the estimates should be considerably more realistic, especially when the source is in the contents of a hollow organ. The

weight of active marrow expected in each region of the skeleton has been designated. The data are largely those given by Ellis (7). It has been assumed that the active marrow absorbs energy per unit mass as efficiently as does the bone, and thus the estimate of the dose from photons to bone is low, particularly at photon energies below 100 keV. For photon energies above 100 keV the difference is expected to be small since the mass absorption coefficients of these two tissues are approximately equal. In designing the distribution of the red marrow, two pairs of bones were added to the skeletal system (clavicles and scapulae) which taken together contain about 6.4% of the active marrow. Likewise, in the newer phantom, the top of the head has been rounded, the legs are separated, and the testes have been relocated, but these changes are of greater importance for external sources than for internal ones.

In addition to the designated organs, there is a mass of 48.5 kg that represents muscle (28.0 kg), separable fat (12.5 kg), and a variety of other tissues. Muscle and separable fat are distributed widely in this 48.5 kg of other tissues. It seems appropriate, to a first approximation, to assume that the absorbed fractions for these tissues are proportional to their masses in order to obtain absorbed fractions for muscle and separable fat as separate target organs. Thus the value of Φ assigned to this "other tissue" as target organ is the same as that for muscle as a target organ, and it is used also as an estimate of Φ for separable fat as a target tissue. When muscle is indicated as a source organ, values of Φ have been obtained either by use of reciprocity or by subtraction of appropriate absorbed fractions for the internal organs from the total body values.

Even with a sample size of 60,000 photons, there remain many target organs for which the coefficient of variation ($100 \sigma_\phi/\phi$) of the absorbed fraction ϕ exceeds 50%. Values for these organs have been estimated by use of the buildup factor (8). Although this is only one of several techniques that might have been used, extensive comparison with Monte Carlo estimates of Φ having a reasonably small coefficient of variation indicates that estimates obtained by use of the buildup factor, while not highly accurate, appear to lie within a factor of 2 of the Monte Carlo estimates (9). This appears to be as much as can be claimed for the Monte Carlo results with a coefficient of variation of 50% or more. At low energies these estimates of Φ obtained by using the buildup factor with bone as a target organ have been multiplied by a factor $\mu_{en}^{bone}/\mu_{en}^{soft\ tissue}$, where μ_{en} is the mass energy absorption coefficient. This correction was made on the basis of comparisons of results of the two methods of calculation as well as from theoretical considerations. Likewise, a factor $\rho^{tissue}/\rho^{lung}$ is used to account for the lower absorption of energy in the lungs because of its lower density. These corrections partially compensate for the fact that the use of the buildup factor is not strictly correct for a nonhomogeneous medium such as the human body. A more detailed discussion of these approximations is given in the revision of *MIRD Pamphlet No. 5* (5).

3. S FOR ELECTRONS AND BETA PARTICLES

3.1 General. When all the dimensions of an organ r_k greatly exceed the range of the electron, i.e., the source and target organ are the same, the equation

$$\begin{aligned} \Phi(r_k \leftarrow r_k) &= \frac{\phi(r_k \leftarrow r_k)}{m_k} \\ &= \frac{1}{m_k} \end{aligned} \quad (6)$$

is assumed to hold, where m_k is the mass of the organ r_k . This is the case for most of the organs specified in Table 1. However, when the source and target organs are well separated,

$$\Phi(r_k \leftarrow r_l) = 0. \quad (7)$$

The exceptions to the above general rules are discussed below.

3.2 Organs with walls. For organs with walls and with the contents as the source, the value of $\Phi_l(r_k \leftarrow r_l)$ is taken as $1/2m_l$, where m_l is the mass of the source organ, that is, the contents. This corresponds to the assumption that the dose at the surface of the wall is one-half the dose to the contents far from the wall. Thus the dose to the walls of the sections of the gastrointestinal tract and to the urinary bladder from sources in the corresponding contents represents a surface dose for electrons and beta particles.

3.3 Bone and bone marrow. Another exception is the dose to active bone marrow from an electron emitter deposited in bone. Here the dosimetry due to Spiers (10) is used. Spiers' estimates implicitly assume that the cortical and trabecular bones are each uniformly labeled by the radionuclide. Since the estimate of dose to the red (active) marrow per unit cumulated activity in trabecular bone far exceeds the corresponding estimate for cortical bone, it is necessary to apportion the cumulated activity to these two bone types. When only a total \tilde{A} for bone is available, it is suggested that one should assume that it is divided equally between cortical and trabecular bone. Of course, when a model for retention or data on deposition and retention in these two bone types is available it should be used. Even the assumption of the uniform distribution of this activity throughout the bone mass probably results in an underestimate of the dose to red bone marrow, especially when using short-lived nuclides deposited on the bone surface.

Only an average dose to bone (cortical and trabecular bone mass = 5,000 gm) is estimated in this report, and this is assumed to be due to the total energy of the electron minus the energy absorbed in the marrow.

4. ASSUMPTIONS AND LIMITATIONS

The most obvious limitation is that these S tables allow one to compute only the dose averaged over a target organ per unit of cumulated activity of a radionuclide distributed uniformly in a source organ. When the source is not distributed reasonably uniformly in the source organ, the use of these S values

is at best a rough approximation. If more spatial detail is wanted than an average dose to the target, an independent calculation should be made. For example, the assumption of uniform distribution in the source organ would lead to inaccuracies when calculating the kidney dose from a radionuclide deposited only in kidney cortex and not in other kidney tissues. Averaging the dose delivered to a target organ also leads to some difficulties, e.g., when the dose to kidney from a source in liver is calculated these tables give the average dose to the kidneys. In reality the right kidney receives a higher dose than the left. Although total body is listed as a source organ, the values of S given in the tables apply only to uniform distributions of activity. When the total body is the target it must be remembered that the dose to it may be extremely nonuniform if the source is located in only a few organs. In this circumstance the calculation of the "average total body dose" may not be very meaningful.

Also, these values are computed for organs having the masses given in Table 1, and while these are rather typical of median values for a 70-kg man, other organ weights may require some scaling. For target organs r_k sufficiently distant from the source organ r_h one would expect $\Phi(r_k \leftarrow r_h)$ to be reasonably independent of organ mass. Thus, to a first approximation, this adjustment may be considered to be present. However, as target region r_k approaches source region r_h , much of this automatic scaling is lost for photons. When r_k and r_h coincide, the dose from photons with energies above 100 keV appears to be proportional to $m_h^{-2/3}$, m_h being the mass common to both r_k and r_h ; that is,

$$\bar{D}(r_h \leftarrow r_h) = \text{constant} \times \tilde{A}_h / m_h^{2/3}.$$

Since dose from electrons scales with the inverse first power of the mass, if one assumes complete absorption of energy, scaling is no longer simple; the photon dose changes with one power of the mass and the electron dose changes with another. In fact, there seems to be no simple scaling procedure which is approximately correct for all energies of particles and masses of organs.

The user should also bear in mind that the use of these S values generally involves many interpolations and approximations. Below 10 keV and when the source and target region are not the same, the values of the absorbed fraction ϕ for photons are extrapolated linearly to zero as energy decreases to zero, and the value so obtained is used to compute Φ . When the source and target regions coincide, the value of ϕ is extrapolated linearly to unity as energy decreases to zero. For the case when the total body is the source organ and r_k is the target organ, the value of Φ is

extrapolated linearly to $1/m_{\text{TB}}$, m_{TB} being the mass of the total body.

More important perhaps is the fact that many of the values of Φ used here are obtained by the use of a buildup factor. This approximate value is used for many energies and organs, particularly for the smaller organs which are distant from the source. For more details on the use of the buildup factor to estimate Φ , the reader is referred to the revision of *MIRD Pamphlet No. 5* (5).

While the calculations have been designed to yield estimates of dose for the adult human body, nevertheless it remains true that the user should realize that the calculations are based on the phantom, a specific model. Any particular human will differ more or less significantly from the phantom for purposes of dosimetry. While these tabulations of S are quite convenient to use, the user should always bear in mind that the dose to a given patient will differ, and that the difference may be significant.

5. EXAMPLES OF USE OF THE TABLES

Example 1. Calculate the mean dose to the liver, ovaries, testes, and red marrow resulting from the intravenous administration of $1 \mu\text{Ci}$ of ^{99m}Tc labeled to a compound that localizes completely and uniformly in the liver. Assume an instantaneous uptake of the activity in the liver and that the biologic half-life of ^{99m}Tc in the liver is infinite compared to the physical half-life of ^{99m}Tc . Based on these assumptions, the cumulated activity in the liver per microcurie administered is

$$\tilde{A}_{\text{LI}} = 1.44 \times 1.0 \mu\text{Ci} \times 6 \text{ h} = 8.6 \mu\text{Ci-h}.$$

The mean dose to the liver, \bar{D}_{LI} , is

$$\bar{D}_{\text{LI}} = \tilde{A}_{\text{LI}} S(\text{LI} \leftarrow \text{LI}).$$

Looking up $S(\text{LI} \leftarrow \text{LI})$ in the table for ^{99m}Tc under the liver as the source organ and for the liver as the target organ,

$$\begin{aligned} S(\text{LI} \leftarrow \text{LI}) &= 4.6 \text{ E-}05 = 4.6 \times 10^{-5} \text{ rad}/\mu\text{Ci-h}, \\ \bar{D}_{\text{LI}} &= 8.6 \times 4.6 \times 10^{-5} = 4.0 \times 10^{-4} \text{ rad} \\ &= 0.40 \text{ mrad} \end{aligned}$$

for the administered activity of $1 \mu\text{Ci}$. Similarly, the dose to the ovaries, \bar{D}_{OV} ; testes, \bar{D}_{TE} ; and red marrow, \bar{D}_{RM} is calculated. The values for $S(\text{OV} \leftarrow \text{LI})$, $S(\text{TE} \leftarrow \text{LI})$, and $S(\text{RM} \leftarrow \text{LI})$ are found in the table for ^{99m}Tc under the liver as the source organ and across the row for which they are listed as target organs:

$$\begin{aligned} \bar{D}_{\text{OV}} &= \tilde{A}_{\text{LI}} S(\text{OV} \leftarrow \text{LI}) = 8.6 \times 4.5 \times 10^{-7} \\ &= 3.9 \times 10^{-6} \text{ rad} = 0.0039 \text{ mrad}, \\ \bar{D}_{\text{TE}} &= \tilde{A}_{\text{LI}} S(\text{TE} \leftarrow \text{LI}) = 8.6 \times 6.2 \times 10^{-8} \\ &= 5.3 \times 10^{-7} \text{ rad} = 0.00053 \text{ mrad}, \end{aligned}$$

$$\begin{aligned} \bar{D}_{RM} &= \bar{A}_{LI}S(RM \leftarrow LI) = 8.6 \times 1.6 \times 10^{-6} \\ &= 1.4 \times 10^{-5} \text{ rad} = 0.014 \text{ mrad.} \end{aligned}$$

The S values in this report are for a specific anthropomorphic model, and the masses used for the target organs are those listed in Table 1. Before calculations are made using these tables, section 4 on assumptions and limitations should be carefully reviewed.

Example 2. Calculate the mean dose to the liver and segments of the gastrointestinal tract (GIT) resulting from the intravenous administration of 1 μCi of ^{123}I labeled to a compound that is completely taken up by the liver and then eliminated via the GIT. The activity remains within the GIT until it is finally excreted in the feces. Based on the biologic distribution and retention data, the cumulated activity per microcurie administered is assumed to be as follows: in the liver, $\bar{A}_{LI} = 2.0 \mu\text{Ci-h}$; in the small intestine (SI) and contents, $\bar{A}_{SI} = 3.9 \mu\text{Ci-h}$; in the contents of the upper large intestine, (ULI), $\bar{A}_{ULIC} = 4.8 \mu\text{Ci-h}$; and in the contents of the lower large intestine (LLI), $\bar{A}_{LLIC} = 4.6 \mu\text{Ci-h}$. The values for S are found in the Appendix table for ^{123}I in the manner described in the previous example, and are listed in Table 2.

It should be noted that the S values for the GIT give the average dose for photons, but only a surface dose for particulate radiations. Whenever the cumulated activity for the walls of the ULI or LLI is significant, the dose calculations for the walls of the ULI and LLI as well as nearby organs must be considered as a special case.

The mean dose to the liver, \bar{D}_{LI} , is computed by the following expression:

$$\begin{aligned} \bar{D}_{LI} &= \bar{D}_{(LI \leftarrow LI)} + \bar{D}_{(LI \leftarrow SI)} \\ &\quad + \bar{D}_{(LI \leftarrow ULIC)} + \bar{D}_{(LI \leftarrow LLIC)} \\ &= \bar{A}_{LI}S(LI \leftarrow LI) + \bar{A}_{SI}S(LI \leftarrow SI) \\ &\quad + \bar{A}_{ULIC}S(LI \leftarrow ULIC) + \bar{A}_{LLIC}S(LI \leftarrow LLIC) \\ &= (2 \times 7.9 \times 10^{-5}) + (3.9 \times 2.3 \times 10^{-6}) \\ &\quad + (4.8 \times 3.3 \times 10^{-6}) + (4.6 \times 3.1 \times 10^{-7}), \\ \bar{D}_{LI} &= 1.8 \times 10^{-4} \text{ rad} = 0.18 \text{ mrad,} \end{aligned}$$

Target organs	Source organs			
	Liver	SI	Contents of ULI	Contents of LLI
Liver	7.9E-05	2.3E-06	3.3E-06	3.1E-07
SI	2.0E-06	1.3E-04	2.6E-05	1.4E-05
Wall of ULI	3.2E-06	4.1E-05	2.2E-04	6.3E-06
Wall of LLI	2.7E-07	1.1E-05	4.4E-06	3.2E-04

Target organs	Source organs			
	Skeleton		Bladder contents	Total body
	Cortical bone	Trabecular bone		
Red marrow	4.1E-06	9.1E-06	2.2E-06	2.9E-06
Bladder wall	5.1E-07	5.1E-07	1.6E-04	2.3E-06
Ovaries	7.1E-07	7.1E-07	7.3E-06	2.4E-06
Testes	6.4E-07	6.4E-07	4.7E-06	1.7E-06

for the administered activity of 1 μCi . The mean dose to the SI is 0.7 mrad, to the wall of the ULI it is 1.3 mrad, and to the wall of the LLI it is 1.5 mrad.

Example 3. Calculate the mean dose to red marrow, bladder wall, ovaries, and testes from an intravenous administration of 1 μCi of ^{99m}Tc labeled to a compound. Thirty-five percent of the administered activity localizes uniformly in bone, 5% uniformly in the total body, and the remaining activity is excreted in the urine. The cumulated activities per microcurie administered for the three source organs are $\bar{A}_{BONE} = 3.0 \mu\text{Ci-h}$, for bone; $\bar{A}_{BLADC} = 0.6 \mu\text{Ci-h}$, for the contents of the bladder; and $\bar{A}_{TB} = 0.4 \mu\text{Ci-h}$, for total body. The latter represents activity assumed uniformly distributed in the total body in addition to the activity present in the other organs. The values for S are found in the Appendix tables for ^{99m}Tc in the manner described in Example 1, and are listed in Table 3.

To calculate the dose to the red marrow, the \bar{A}_{BONE} must be distributed between cortical and trabecular bone. When the actual distribution data are available they should be used; however, for this situation they are not available and for this example it is assumed that half the activity is distributed in trabecular bone and half in cortical bone.

The mean dose to the red marrow, \bar{D}_{RM} , is calculated by the following expression:

$$\begin{aligned} \bar{D}_{RM} &= 0.5\bar{A}_{BONE}S(RM \leftarrow CORTB) \\ &\quad + 0.5\bar{A}_{BONE}S(RM \leftarrow TRAB) \\ &\quad + \bar{A}_{BLADC}S(RM \leftarrow BLADC) + \bar{A}_{TB}S(RM \leftarrow TB) \\ &= (0.5 \times 3.0 \times 4.1 \times 10^{-6}) \\ &\quad + (0.5 \times 3.0 \times 9.1 \times 10^{-6}) \\ &\quad + (0.6 \times 2.2 \times 10^{-6}) + (0.4 \times 2.9 \times 10^{-6}), \\ \bar{D}_{RM} &= 2.2 \times 10^{-5} \text{ rad} = 0.022 \text{ mrad,} \end{aligned}$$

for the administered activity of 1 μCi .

If the S values published in this report are used to calculate the dose to the bladder wall and the other target organs from the activity contained in the urine, it is assumed that the contents of the bladder is a fixed volume equivalent to 200 gm, a moderately full

bladder. To compute the dose for other situations, the reader is referred to Ref. 11. It must be emphasized that the dose to the bladder wall for a given \bar{A}_{BLADC} can vary by an order of magnitude depending on the daily urinary output, frequency of voiding, bladder volume at the time of voiding, initial volume of urine in the bladder when the activity is administered, and the quantity of urine retained in the bladder after voiding.

The values of S for cortical and trabecular bone as the source organ irradiating the other target organs are the same except for red bone marrow. Therefore, single values for S(BLADW←SKEL), S(OV←SKEL), S(TE←SKEL), and \bar{A}_{BONE} are used in the example.

The mean dose to the bladder wall, \bar{D}_{BLADW} , is calculated by the following expression:

$$\begin{aligned}\bar{D}_{\text{BLADW}} &= \bar{A}_{\text{BONE}}S(\text{BLADW}\leftarrow\text{SKEL}) \\ &\quad + \bar{A}_{\text{BLADC}}S(\text{BLADW}\leftarrow\text{BLADC}) \\ &\quad\quad\quad + \bar{A}_{\text{TB}}S(\text{BLADW}\leftarrow\text{TB}) \\ &= (3.0 \times 5.1 \times 10^{-7}) \\ &\quad + (0.6 \times 1.6 \times 10^{-4}) \\ &\quad\quad + (0.4 \times 2.3 \times 10^{-6}),\end{aligned}$$

$\bar{D}_{\text{BLADW}} = 9.8 \times 10^{-5}$ rad = 0.098 mrad, for the administered activity of 1 μCi . The mean dose to the ovaries is 0.008 mrad/ μCi and to the testes 0.005 mrad for the administered activity of 1 μCi .

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It is essential that the reader be familiar with the assumptions and limitations of the tables as presented on pp. 7-10 before any calculations are made using these tables.

APPENDIX A. TABULATED VALUES OF S

TABLE 1A. RADIONUCLIDES FOR WHICH VALUES OF S ARE TABULATED

Atomic number	Element	Mass Number	Atomic number	Element	Mass Number
1	Hydrogen	3	38	Strontium	87m
4	Beryllium	7	38	Strontium	90
6	Carbon	11	39	Yttrium	87
6	Carbon	14	39	Yttrium	90
7	Nitrogen	13	42	Molybdenum	99
8	Oxygen	15	43	Technetium	97m
9	Fluorine	18	43	Technetium	99m
11	Sodium	22	44	Ruthenium	97
11	Sodium	24	45	Rhodium	103m
12	*Magnesium	28	46	Palladium	103
13	Aluminum	28	47	Silver	109m
15	Phosphorus	32	48	Cadmium	109
16	Sulfur	35	49	Indium	111
18	Argon	37	49	Indium	113m
19	Potassium	40	49	Indium	115m
19	Potassium	42	50	Tin	113
19	Potassium	43	53	Iodine	123
20	Calcium	45	53	Iodine	124
20	Calcium	47	53	Iodine	125
20	Calcium	49	53	Iodine	126
21	Scandium	47	53	Iodine	129
21	Scandium	49	53	Iodine	130
24	Chromium	51	53	Iodine	131
25	Manganese	52	53	Iodine	132
25	Manganese	52m	53	Iodine	133
25	Manganese	54	54	Xenon	127
26	Iron	52	54	Xenon	131m
26	Iron	55	54	Xenon	133
26	Iron	59	54	Xenon	133m
27	Cobalt	57	55	Cesium	129
27	Cobalt	58	55	Cesium	131
27	Cobalt	60	55	Cesium	134
29	Copper	62	55	Cesium	134m
29	Copper	64	55	¶Cesium	137
29	Copper	67	56	Barium	133
30	Zinc	62	56	Barium	135m
30	Zinc	65	56	Barium	137m
31	Gallium	66	58	Cerium	139
31	Gallium	67	66	Dysprosium	157
31	Gallium	68	68	Erbium	171
31	Gallium	72	69	Thulium	171
32	Germanium	68	70	Ytterbium	169
33	Arsenic	73	74	Tungsten	188
33	Arsenic	74	75	Rhenium	188
34	Selenium	73	76	Osmium	190m
34	Selenium	75	77	Iridium	190
34	Selenium	77m	77	Iridium	190mI
35	†Bromine	77	77	Iridium	190m2
35	Bromine	82	79	Gold	195
36	Krypton	81	79	Gold	195m
36	Krypton	81m	79	Gold	198
36	Krypton	85	79	Gold	199
36	Krypton	85m	80	Mercury	197
37	‡Rubidium	81	80	Mercury	203
37	Rubidium	82	81	Thallium	201
37	Rubidium	84	81	Thallium	208
37	Rubidium	86	82	Lead	212
38	§Strontium	82	83	Bismuth	206
38	Strontium	85			

* Sum of ^{28}Mg and ^{28}Al .

† Sum of ^{77}Br and ^{77m}Se .

‡ Sum of ^{81}Rb and ^{81m}Kr .

§ Sum of ^{82}Sr and ^{82}Rb .

|| Sum of ^{109}Cd and ^{109m}Ag .

¶ Sum of ^{137}Cs and ^{137m}Ba .

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 HYDROGEN-3 HALF-LIFE 1.08E 05 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	8.7E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BLADDER WALL	0.0	3.0E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BONE (TOTAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GI (STOM WALL)	0.0	0.0	2.4E-05	0.0	0.0	0.0	0.0	0.0	0.0
GI (SI)	0.0	0.0	0.0	1.5E-05	0.0	0.0	0.0	0.0	0.0
GI (ULI WALL)	0.0	0.0	0.0	0.0	2.8E-05	0.0	0.0	0.0	0.0
GI (LLI WALL)	0.0	0.0	0.0	0.0	0.0	4.5E-05	0.0	0.0	0.0
KIDNEYS	0.0	0.0	0.0	0.0	0.0	3.9E-05	0.0	0.0	0.0
LIVER	0.0	0.0	0.0	0.0	0.0	0.0	6.8E-06	0.0	0.0
LUNGS	0.0	0.0	0.0	0.0	0.0	0.0	1.2E-05	0.0	0.0
MARROW (RED)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTH TISS (MUSC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3E-07	0.0
OVARIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PANCREAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SKIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPLEEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TESTES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THYROID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UTERUS (NONGRVD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL BODY	1.7E-07	2.0E-08	5.2E-08	1.4E-07	8.3E-08	1.0E-07	1.7E-07	1.7E-07	1.7E-07

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(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 HYDROGEN-3 HALF-LIFE 1.08E 05 HOURS

SOURCE ORGANS

TARGET ORGANS	OVARIES	PANCREAS	SKELETON				SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY
			R MARROW	CORT BONE	TRA	BONE					
ADRENALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7E-07	
BLADDER WALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7E-07	
BONE (TOTAL)	0.0	0.0	1.7E-08	2.4E-06	2.4E-06	0.0	0.0	0.0	0.0	1.7E-07	
GI (STOM WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7E-07	
GI (SI)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7E-07	
GI (ULI WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7E-07	
GI (LIL WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7E-07	
KIDNEYS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7E-07	
LIVER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7E-07	
LUNGS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7E-07	
MARROW (RED)	0.0	0.0	8.1E-06	6.5E-10	8.3E-08	0.0	0.0	0.0	0.0	1.7E-07	
OTH TISS (MUSC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7E-07	
OVARIES	1.1E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7E-07	
PANCREAS	0.0	1.2E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7E-07	
SKIN	0.0	0.0	0.0	0.0	0.0	4.7E-06	0.0	0.0	0.0	1.7E-07	
SPLEEN	0.0	0.0	0.0	0.0	0.0	0.0	6.8E-05	0.0	0.0	1.7E-07	
TESTES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5E-04	0.0	1.7E-07	
THYROID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1E-04	1.7E-07	
UTERUS (NONGRVD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7E-07	
TOTAL BODY	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 BERYLLIUM-7 HALF-LIFE 1.28E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	1.7E-04	8.3E-08	7.7E-07	4.6E-07	3.6E-07	1.8E-07	4.4E-06	1.8E-06	8.8E-07	5.5E-07
BLADDER WALL	3.9E-08	2.7E-05	1.6E-07	1.2E-06	6.9E-07	2.1E-06	1.4E-07	1.2E-07	2.6E-08	6.4E-07
BONE (TOTAL)	5.0E-07	2.2E-07	2.2E-07	2.9E-07	2.7E-07	3.8E-07	3.6E-07	2.7E-07	3.7E-07	4.0E-07
GI (STOM WALL)	1.1E-06	1.1E-07	1.9E-05	1.2E-06	1.3E-06	6.5E-07	1.2E-06	6.9E-07	6.6E-07	5.1E-07
GI (SI)	3.4E-07	9.5E-07	9.5E-07	1.1E-05	5.9E-06	3.2E-06	9.9E-07	5.8E-07	9.8E-08	5.6E-07
GI (ULI WALL)	3.8E-07	8.6E-07	1.2E-06	8.2E-06	1.6E-05	1.5E-06	1.0E-06	9.3E-07	1.3E-07	5.9E-07
GI (LLI WALL)	1.3E-07	2.6E-06	4.6E-07	2.4E-06	1.1E-06	1.9E-05	3.2E-07	1.2E-07	2.9E-08	6.1E-07
KIDNEYS	4.2E-06	1.4E-07	1.2E-06	1.1E-06	9.8E-07	3.0E-07	2.7E-05	1.4E-06	3.8E-07	5.2E-07
LIVER	1.8E-06	1.0E-07	7.4E-07	6.5E-07	8.9E-07	1.2E-07	1.4E-06	9.3E-06	8.6E-07	4.0E-07
LUNGS	8.4E-07	1.7E-08	6.7E-07	1.2E-07	1.2E-07	3.6E-08	3.4E-07	8.7E-07	5.3E-06	4.8E-07
MARROW (RED)	9.0E-07	4.7E-07	3.9E-07	9.2E-07	8.0E-07	1.1E-06	9.2E-07	4.0E-07	4.6E-07	5.0E-07
OTH TISS (MUSC)	5.5E-07	6.4E-07	5.1E-07	5.6E-07	5.4E-07	6.1E-07	5.2E-07	4.0E-07	4.8E-07	5.5E-07
OVARIES	2.0E-07	2.3E-06	1.8E-07	3.2E-06	4.6E-06	5.8E-06	4.2E-07	7.7E-08	5.5E-08	7.2E-07
PANCREAS	3.0E-06	9.5E-08	6.3E-06	7.5E-07	6.6E-07	2.7E-07	2.4E-06	1.7E-06	1.0E-06	6.5E-07
SKIN	2.4E-07	2.3E-07	2.1E-07	1.9E-07	2.0E-07	2.1E-07	2.4E-07	2.2E-07	2.4E-07	3.3E-07
SPLEEN	2.3E-06	8.0E-08	3.4E-06	5.7E-07	4.5E-07	3.4E-07	3.0E-06	3.6E-07	7.7E-07	5.3E-07
TESTES	2.5E-08	1.8E-06	9.7E-09	1.3E-07	1.8E-07	7.5E-07	5.4E-08	4.0E-08	8.5E-09	4.5E-07
THYROID	7.1E-08	3.3E-09	5.4E-08	1.4E-08	1.5E-08	6.3E-09	3.4E-08	6.8E-08	4.3E-07	5.0E-07
UTERUS (NONGRVD)	1.9E-07	5.4E-06	3.2E-07	3.2E-06	1.6E-06	2.1E-06	3.1E-07	1.6E-07	3.5E-08	6.9E-07
TOTAL BODY	6.1E-07	6.8E-07	6.4E-07	7.1E-07	6.9E-07	6.9E-07	6.1E-07	6.2E-07	5.3E-07	5.2E-07

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 BERYLLIUM-7 HALF-LIFE 1.28E 03 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON	R MARROW	CORT BONE	TRA BONE	SKIN	SPLEEN	TESTES	THYROID	
ADRENALS	2.1E-07	3.1E-06	6.4E-07	6.0E-07	6.0E-07	6.0E-07	2.4E-07	2.2E-06	2.5E-08	7.1E-08	8.2E-07
BLADDER WALL	2.4E-06	7.1E-08	2.5E-07	2.3E-07	2.3E-07	2.3E-07	2.2E-07	4.9E-08	1.8E-06	3.3E-09	6.5E-07
BONE (TOTAL)	3.4E-07	3.4E-07	8.4E-07	1.3E-06	1.3E-06	1.3E-06	3.1E-07	2.8E-07	2.4E-07	2.8E-07	5.5E-07
GI (STOM WALL)	3.0E-07	6.2E-06	3.6E-07	2.1E-07	2.1E-07	2.1E-07	2.3E-07	3.5E-06	4.1E-08	4.4E-08	6.5E-07
GI (SI)	4.3E-06	6.4E-07	9.7E-07	2.9E-07	2.9E-07	2.9E-07	2.0E-07	5.0E-07	1.9E-07	2.9E-09	7.2E-07
GI (ULI WALL)	4.0E-06	7.8E-07	7.5E-07	2.5E-07	2.5E-07	2.5E-07	2.1E-07	5.0E-07	1.2E-07	3.8E-09	7.1E-07
GI (LLI WALL)	5.1E-06	1.9E-07	1.1E-06	3.4E-07	3.4E-07	3.4E-07	2.2E-07	2.5E-07	1.0E-06	5.3E-09	7.1E-07
KIDNEYS	4.1E-07	2.2E-06	8.6E-07	3.3E-07	3.3E-07	3.3E-07	2.7E-07	3.1E-06	3.6E-08	1.7E-08	6.4E-07
LIVER	2.2E-07	1.5E-06	3.7E-07	2.6E-07	2.6E-07	2.6E-07	2.4E-07	3.9E-07	1.8E-08	5.7E-08	6.3E-07
LUNGS	4.0E-08	8.7E-07	4.4E-07	3.6E-07	3.6E-07	3.6E-07	2.5E-07	8.0E-07	5.1E-09	3.8E-07	5.6E-07
MARROW (RED)	1.1E-06	6.4E-07	2.8E-06	1.1E-06	1.1E-06	1.1E-06	2.9E-07	4.2E-07	1.9E-07	3.1E-07	6.0E-07
OTH TISS (MUSC)	7.2E-07	6.5E-07	4.7E-07	4.0E-07	4.0E-07	4.0E-07	3.3E-07	5.3E-07	4.5E-07	5.0E-07	5.2E-07
OVARIES	2.8E-04	1.3E-07	1.3E-06	3.8E-07	3.8E-07	3.8E-07	1.1E-07	3.7E-07	0.0	6.3E-09	6.2E-07
PANCREAS	2.0E-07	7.7E-05	6.2E-07	3.3E-07	3.3E-07	3.3E-07	2.1E-07	7.0E-06	1.5E-08	2.6E-08	6.4E-07
SKIN	1.9E-07	1.8E-07	2.7E-07	3.1E-07	3.1E-07	3.1E-07	7.6E-07	2.3E-07	5.7E-07	3.1E-07	3.2E-07
SPLEEN	2.5E-07	6.9E-06	2.9E-07	3.0E-07	3.0E-07	3.0E-07	2.4E-07	4.8E-05	4.5E-08	4.6E-08	6.5E-07
TESTES	0.0	2.3E-08	1.5E-07	2.1E-07	2.1E-07	2.1E-07	3.1E-07	3.4E-08	1.3E-04	1.2E-09	6.6E-07
THYROID	6.3E-09	6.7E-08	3.2E-07	4.0E-07	4.0E-07	4.0E-07	3.0E-07	5.3E-08	1.2E-09	1.8E-04	5.1E-07
UTERUS (NONGRVD)	6.6E-06	2.3E-07	7.0E-07	2.1E-07	2.1E-07	2.1E-07	2.0E-07	1.7E-07	0.0	5.9E-09	6.4E-07
TOTAL BODY	7.2E-07	7.1E-07	5.8E-07	5.2E-07	5.2E-07	5.2E-07	3.3E-07	6.1E-07	5.2E-07	4.7E-07	5.2E-07

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 CARBON-11 HALF-LIFE 0.338 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	6.3E-02	1.7E-06	1.6E-05	9.2E-06	7.5E-06	3.7E-06	9.3E-05	3.6E-05	1.8E-05	1.1E-05
BLADDER WALL	8.2E-07	2.7E-03	3.4E-06	2.5E-05	1.4E-05	4.2E-05	2.9E-06	2.6E-06	5.6E-07	1.3E-05
BONE (TOTAL)	1.0E-05	4.4E-06	4.5E-06	5.9E-06	5.4E-06	7.8E-06	7.4E-06	5.5E-06	7.5E-06	8.3E-06
GI (STOM WALL)	2.2E-05	2.4E-06	2.1E-03	2.5E-05	2.7E-05	1.3E-05	2.5E-05	1.4E-05	1.4E-05	1.1E-05
GI (SI)	7.2E-06	1.9E-05	2.0E-05	1.3E-03	1.2E-04	6.7E-05	2.0E-05	1.2E-05	2.1E-06	1.2E-05
GI (ULI WALL)	7.8E-06	1.8E-05	2.5E-05	1.7E-04	2.2E-04	3.1E-05	2.1E-05	1.9E-05	2.9E-06	1.2E-05
GI (LLI WALL)	2.7E-06	5.3E-05	9.5E-06	5.0E-05	2.2E-05	3.5E-03	6.6E-06	2.4E-06	5.9E-07	1.3E-05
KIDNEYS	8.6E-05	2.9E-06	2.5E-05	2.4E-05	2.0E-05	6.2E-06	3.3E-03	2.8E-05	7.8E-06	1.1E-05
LIVER	3.7E-05	2.1E-06	1.5E-05	1.3E-05	1.8E-05	2.6E-06	3.0E-05	6.6E-04	1.8E-05	8.4E-06
LUNGS	1.7E-05	3.7E-07	1.4E-05	2.5E-06	2.6E-06	7.7E-07	7.1E-06	1.8E-05	9.5E-04	1.0E-05
MARROW (RED)	1.8E-05	9.4E-06	7.8E-06	1.9E-05	1.6E-05	2.3E-05	1.9E-05	8.1E-06	9.4E-06	1.0E-05
OTH TISS (MUSC)	1.1E-05	1.3E-05	1.1E-05	1.2E-05	1.1E-05	1.3E-05	1.1E-05	8.4E-06	1.0E-05	4.1E-05
OVARIES	4.1E-06	4.7E-05	3.9E-06	6.5E-05	9.4E-05	1.2E-04	8.7E-06	1.5E-06	1.1E-06	1.5E-05
PANCREAS	6.3E-05	1.9E-06	1.3E-04	1.6E-05	1.3E-05	5.6E-06	4.9E-05	3.6E-05	2.1E-05	1.3E-05
SKIN	5.1E-06	4.9E-06	4.4E-06	4.0E-06	4.2E-06	4.4E-06	5.0E-06	4.5E-06	5.1E-06	6.8E-06
SPLEEN	4.8E-05	1.7E-06	7.1E-05	1.2E-05	9.2E-06	7.1E-06	6.2E-05	7.5E-06	1.6E-05	1.1E-05
TESTES	5.3E-07	3.8E-05	2.0E-07	2.7E-06	3.9E-06	1.5E-05	1.1E-06	8.7E-07	1.8E-07	9.3E-06
THYROID	1.5E-06	7.2E-08	1.1E-06	3.0E-07	3.2E-07	1.4E-07	7.1E-07	1.4E-06	9.1E-06	1.0E-05
UTERUS (NONGRVD)	2.8E-06	1.1E-04	6.7E-06	6.5E-05	3.3E-05	4.1E-05	6.2E-06	3.3E-06	7.2E-07	1.4E-05
TOTAL BODY	2.5E-05	1.5E-05	1.7E-05	2.4E-05	2.0E-05	2.1E-05	2.5E-05	2.5E-05	2.3E-05	2.3E-05

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11C

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 CARBON-11 HALF-LIFE 0.338 HOURS

SOURCE ORGANS

TARGET ORGANS	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY
			R MARROW	CORT	BONE	TRA	BONE	
ADRENALS	4.6E-06	6.3E-05	1.3E-05	1.3E-05	4.9E-06	4.5E-05	5.3E-07	1.5E-06
BLADDER WALL	5.0E-05	1.5E-06	5.1E-06	4.9E-06	4.7E-06	1.0E-06	3.8E-05	7.3E-08
BONE (TOTAL)	6.9E-06	6.9E-06	6.1E-05	1.9E-04	6.4E-06	5.7E-06	5.0E-06	5.7E-06
GI (STOM WALL)	6.3E-06	1.3E-04	7.4E-06	4.4E-06	4.9E-06	7.3E-05	8.8E-07	9.7E-07
GI (SI)	8.8E-05	1.3E-05	2.0E-05	6.0E-06	4.1E-06	1.0E-05	4.0E-06	5.9E-08
GI (ULI WALL)	8.3E-05	1.6E-05	1.5E-05	5.2E-06	4.4E-06	1.0E-05	2.4E-06	8.4E-08
GI (LLI WALL)	1.1E-04	4.0E-06	2.3E-05	7.1E-06	4.5E-06	5.2E-06	2.1E-05	1.1E-07
KIDNEYS	8.5E-06	4.6E-05	1.8E-05	6.8E-06	5.6E-06	6.3E-05	7.7E-07	3.8E-07
LIVER	4.6E-06	3.1E-05	7.6E-06	5.3E-06	5.1E-06	8.0E-06	3.9E-07	1.2E-06
LUNGS	8.5E-07	1.8E-05	9.0E-06	7.3E-06	5.1E-06	1.6E-05	1.1E-07	8.0E-06
MARROW (RED)	2.3E-05	1.3E-05	4.5E-04	2.9E-05	5.9E-06	8.5E-06	3.9E-06	6.3E-06
OTH TISS (MUSC)	1.5E-05	1.3E-05	9.8E-06	8.3E-06	6.8E-06	1.1E-05	9.3E-06	1.0E-05
OVARIES	8.2E-02	2.9E-06	2.7E-05	8.1E-06	2.3E-06	7.9E-06	0.0	1.4E-07
PANCREAS	4.2E-06	1.0E-02	1.3E-05	6.8E-06	4.4E-06	1.5E-04	2.9E-07	5.1E-07
SKIN	3.9E-06	3.8E-06	5.6E-06	6.5E-06	3.4E-04	4.7E-06	1.2E-05	6.5E-06
SPLEEN	5.2E-06	1.4E-04	6.0E-06	6.3E-06	5.0E-06	5.6E-03	9.8E-07	9.7E-07
TESTES	0.0	4.8E-07	3.2E-06	4.3E-06	6.2E-06	7.2E-07	2.7E-02	2.6E-08
THYROID	1.4E-07	1.4E-06	6.8E-06	8.3E-06	6.3E-06	1.1E-06	2.6E-08	4.6E-02
UTERUS (NONGRVD)	1.3E-04	4.7E-06	1.4E-05	4.3E-06	4.3E-06	3.5E-06	0.0	1.3E-07
TOTAL BODY	2.7E-05	2.7E-05	2.4E-05	2.3E-05	1.9E-05	2.5E-05	2.3E-05	2.2E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 CARBON-14 HALF-LIFE 5.02E 07 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	7.5E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
BLADDER WALL	0.0	2.6E-04	0.0	0.0	0.0	0.0	0.0	0.0	
BONE (TOTAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
GI (STOM WALL)	0.0	0.0	2.1E-04	0.0	0.0	0.0	0.0	0.0	
GI (SI)	0.0	0.0	1.3E-04	0.0	0.0	0.0	0.0	0.0	
GI (ULI WALL)	0.0	0.0	0.0	2.4E-04	0.0	0.0	0.0	0.0	
GI (LLI WALL)	0.0	0.0	0.0	0.0	3.9E-04	0.0	0.0	0.0	
KIDNEYS	0.0	0.0	0.0	0.0	3.4E-04	0.0	0.0	0.0	
LIVER	0.0	0.0	0.0	0.0	0.0	5.8E-05	0.0	0.0	
LUNGS	0.0	0.0	0.0	0.0	0.0	0.0	1.1E-04	0.0	
MARROW (RED)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
OTH TISS (MUSC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8E-06	
OVARIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PANCREAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SKIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SPLEEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TESTES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
THYROID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
UTERUS (NONGRVD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL BODY	1.5E-06	1.7E-07	4.5E-07	1.2E-06	7.2E-07	8.9E-07	1.5E-06	1.5E-06	1.5E-06

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14C

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 CARBON-14 HALF-LIFE 5.02E 07 HOURS

SOURCE ORGANS

TARGET ORGANS	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY
			R MARROW	CORT BONE	TRA BONE					
ADRENALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
BLADDER WALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
BONE (TOTAL)	0.0	0.0	1.2E-06	2.1E-05	1.9E-05	0.0	0.0	0.0	0.0	1.5E-06
GI (STOM WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
GI (SI)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
GI (ULI WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
GI (LLI WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
KIDNEYS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
LIVER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
LUNGS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
MARROW (RED)	0.0	0.0	6.6E-05	4.8E-08	6.2E-06	0.0	0.0	0.0	0.0	1.5E-06
OTH TISS (MUSC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
OVARIES	9.6E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
PANCREAS	0.0	1.1E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
SKIN	0.0	0.0	0.0	0.0	0.0	4.0E-05	0.0	0.0	0.0	1.5E-06
SPLEEN	0.0	0.0	0.0	0.0	0.0	0.0	5.8E-04	0.0	0.0	1.5E-06
TESTES	0.0	0.0	0.0	0.0	0.0	0.0	3.0E-03	0.0	0.0	1.5E-06
THYROID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3E-03	0.0	1.5E-06
UTERUS (NONGRVD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
TOTAL BODY	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 NITROGEN-13 HALF-LIFE 0.167 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	7.8E-02	1.7E-06	1.6E-05	9.3E-06	7.6E-06	3.7E-06	9.3E-05	3.7E-05	1.8E-05	1.1E-05
BLADDER WALL	8.3E-07	3.2E-03	3.4E-06	2.5E-05	1.4E-05	4.2E-05	2.9E-06	2.6E-06	5.6E-07	1.3E-05
BONE (TOTAL)	1.0E-05	4.4E-06	4.5E-06	5.9E-06	5.4E-06	7.8E-06	7.4E-06	5.5E-06	7.5E-06	8.3E-06
GI (STOM WALL)	2.2E-05	2.4E-06	2.5E-03	2.5E-05	2.7E-05	1.4E-05	2.5E-05	1.4E-05	1.4E-05	1.1E-05
GI (SI)	7.2E-06	2.0E-05	2.0E-05	1.5E-03	1.2E-04	6.7E-05	2.1E-05	1.2E-05	2.1E-06	1.2E-05
GI (ULI WALL)	7.9E-06	1.8E-05	2.5E-05	1.7E-04	2.7E-03	3.2E-05	2.2E-05	1.9E-05	2.9E-06	1.2E-05
GI (LLI WALL)	2.7E-06	5.3E-05	9.5E-06	5.0E-05	2.2E-05	4.2E-03	6.6E-06	2.4E-06	5.9E-07	1.3E-05
KIDNEYS	8.6E-05	2.9E-06	2.5E-05	2.4E-05	2.0E-05	6.2E-06	3.9E-03	2.8E-05	7.9E-06	1.1E-05
LIVER	3.7E-05	2.1E-06	1.5E-05	1.3E-05	1.8E-05	2.6E-06	3.0E-05	7.7E-04	1.8E-05	8.4E-06
LUNGS	1.7E-05	3.7E-07	1.4E-05	2.5E-06	2.6E-06	7.7E-07	7.1E-06	1.8E-05	1.1E-03	1.0E-05
MARROW (RED)	1.8E-05	9.4E-06	7.8E-06	1.9E-05	1.6E-05	2.3E-05	1.9E-05	8.1E-06	9.5E-06	1.0E-05
OTH TISS (MUSC)	1.1E-05	1.3E-05	1.1E-05	1.2E-05	1.1E-05	1.3E-05	1.1E-05	8.4E-06	1.0E-05	4.8E-05
OVARIES	4.1E-06	4.7E-05	3.9E-06	6.5E-05	9.5E-05	1.2E-04	8.7E-06	1.5E-06	1.2E-06	1.5E-05
PANCREAS	6.3E-05	1.9E-06	1.3E-04	1.6E-05	1.3E-05	5.6E-06	4.9E-05	3.6E-05	2.1E-05	1.3E-05
SKIN	5.1E-06	4.9E-06	4.4E-06	4.0E-06	4.2E-06	4.4E-06	5.0E-06	4.5E-06	5.1E-06	6.8E-06
SPLEEN	4.8E-05	1.7E-06	7.1E-05	1.2E-05	9.2E-06	7.1E-06	6.2E-05	7.5E-06	1.6E-05	1.1E-05
TESTES	5.3E-07	3.8E-05	2.0E-07	2.7E-06	3.9E-06	1.5E-05	1.1E-06	8.8E-07	1.9E-07	9.3E-06
THYROID	1.5E-06	7.2E-08	1.1E-06	3.0E-07	3.2E-07	1.4E-07	7.2E-07	1.4E-06	9.1E-06	1.0E-05
UTERUS (NONGRVD)	2.8E-06	1.1E-04	6.7E-06	6.5E-05	3.3E-05	4.2E-05	6.2E-06	3.3E-06	7.2E-07	1.4E-05
TOTAL BODY	2.7E-05	1.6E-05	1.8E-05	2.7E-05	2.1E-05	2.3E-05	2.8E-05	2.8E-05	2.6E-05	2.6E-05

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13N

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 NITROGEN-13 HALF-LIFE 0.167 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID				
			R MARROW	CORT BONE	TRA BONE							
ADRENALS	4.6E-06	6.3E-05	1.3E-05	1.3E-05	1.3E-05	4.9E-06	4.5E-05	5.3E-07	1.5E-06	1.5E-06	3.2E-05	
BLADDER WALL	5.0E-05	1.5E-06	5.1E-06	4.9E-06	4.9E-06	4.7E-06	1.0E-06	3.8E-05	7.3E-08	7.3E-08	2.8E-05	
BONE (TOTAL)	6.9E-06	6.9E-06	7.3E-05	2.3E-04	1.5E-04	6.4E-06	5.8E-06	5.0E-06	5.7E-06	5.7E-06	2.6E-05	
GI (STOM WALL)	6.3E-06	1.3E-04	7.5E-06	4.4E-06	4.4E-06	4.9E-06	7.4E-05	8.8E-07	9.7E-07	9.7E-07	2.8E-05	
GI (SI)	8.8E-05	1.3E-05	2.0E-05	6.0E-06	6.0E-06	4.2E-06	1.0E-05	4.0E-06	5.9E-08	5.9E-08	3.0E-05	
GI (ULI WALL)	8.3E-05	1.6E-05	1.5E-05	5.2E-06	5.2E-06	4.4E-06	1.0E-05	2.4E-06	8.5E-08	8.5E-08	3.0E-05	
GI (LLI WALL)	1.1E-04	4.0E-06	2.3E-05	7.1E-06	7.1E-06	4.5E-06	5.2E-06	2.1E-05	1.1E-07	1.1E-07	3.0E-05	
KIDNEYS	8.5E-06	4.6E-05	1.8E-05	6.8E-06	6.8E-06	5.6E-06	6.4E-05	7.7E-07	3.8E-07	3.8E-07	2.8E-05	
LIVER	4.6E-06	3.1E-05	7.7E-06	5.3E-06	5.3E-06	5.1E-06	8.0E-06	3.9E-07	1.2E-06	1.2E-06	2.8E-05	
LUNGS	8.5E-07	1.8E-05	9.0E-06	7.4E-06	7.4E-06	5.1E-06	1.6E-05	1.1E-07	8.0E-06	8.0E-06	2.6E-05	
MARROW (RED)	2.3E-05	1.3E-05	5.4E-04	3.2E-05	3.0E-04	5.9E-06	8.5E-06	3.9E-06	6.3E-06	6.3E-06	2.7E-05	
OTH TISS (MUSC)	1.5E-05	1.3E-05	9.8E-06	8.3E-06	8.3E-06	6.8E-06	1.1E-05	9.3E-06	1.0E-05	1.0E-05	2.6E-05	
OVARIES	1.0E-01	2.9E-06	2.7E-05	8.1E-06	8.1E-06	2.3E-06	8.0E-06	0.0	1.4E-07	1.4E-07	2.7E-05	
PANCREAS	4.2E-06	1.2E-02	1.3E-05	6.8E-06	6.8E-06	4.4E-06	1.5E-04	2.9E-07	5.1E-07	5.1E-07	2.8E-05	
SKIN	4.0E-06	3.8E-06	5.6E-06	6.5E-06	6.5E-06	4.2E-04	4.8E-06	1.2E-05	6.5E-06	6.5E-06	2.2E-05	
SPLEEN	5.2E-06	1.4E-04	6.0E-06	6.3E-06	6.3E-06	5.0E-06	6.8E-03	9.8E-07	9.7E-07	9.7E-07	2.8E-05	
TESTES	0.0	4.8E-07	3.2E-06	4.3E-06	4.3E-06	6.2E-06	7.2E-07	3.2E-02	2.6E-08	2.6E-08	2.9E-05	
THYROID	1.4E-07	1.4E-06	6.8E-06	8.3E-06	8.3E-06	6.3E-06	1.1E-06	2.6E-08	5.6E-02	5.6E-02	2.6E-05	
UTERUS (NONGRVD)	1.3E-04	4.7E-06	1.4E-05	4.4E-06	4.4E-06	4.3E-06	3.5E-06	0.0	1.3E-07	1.3E-07	2.8E-05	
TOTAL BODY	3.0E-05	3.0E-05	2.7E-05	2.6E-05	2.6E-05	2.2E-05	2.8E-05	2.6E-05	2.5E-05	2.5E-05	2.6E-05	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 OXYGEN-15 HALF-LIFE 3.44E-02 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	1.1E-01	1.7E-06	1.6E-05	9.3E-06	7.6E-06	3.7E-06	9.3E-05	3.7E-05	1.8E-05	1.1E-05
BLADDER WALL	8.3E-07	4.4E-03	3.4E-06	2.5E-05	1.4E-05	4.2E-05	2.9E-06	2.6E-06	5.6E-07	1.3E-05
BONE (TOTAL)	1.0E-05	4.4E-06	4.5E-06	5.9E-06	5.4E-06	7.8E-06	7.4E-06	5.5E-06	7.5E-06	8.3E-06
GI (STOM WALL)	2.2E-05	2.4E-06	3.5E-03	2.5E-05	2.7E-05	1.4E-05	2.5E-05	1.4E-05	1.4E-05	1.1E-05
GI (SI)	7.2E-06	2.0E-05	2.0E-05	2.2E-03	1.2E-04	6.7E-05	2.1E-05	1.2E-05	2.1E-06	1.2E-05
GI (ULI WALL)	7.9E-06	1.8E-05	2.5E-05	1.7E-04	3.8E-03	3.2E-05	2.2E-05	1.9E-05	2.9E-06	1.2E-05
GI (LLI WALL)	2.7E-06	5.3E-05	9.5E-06	5.0E-05	2.2E-05	6.1E-03	6.6E-06	2.4E-06	5.9E-07	1.3E-05
KIDNEYS	8.6E-05	2.9E-06	2.5E-05	2.4E-05	2.0E-05	6.2E-06	5.5E-03	2.8E-05	7.9E-06	1.1E-05
LIVER	3.7E-05	2.1E-06	1.5E-05	1.3E-05	1.8E-05	2.6E-06	3.0E-05	1.0E-03	1.8E-05	8.4E-06
LUNGS	1.7E-05	3.7E-07	1.4E-05	2.5E-06	2.6E-06	7.7E-07	7.1E-06	1.8E-05	1.6E-03	1.0E-05
MARROW (RED)	1.8E-05	9.4E-06	7.8E-06	1.9E-05	1.6E-05	2.3E-05	1.9E-05	8.1E-06	9.5E-06	1.0E-05
OTH TISS (MUSC)	1.1E-05	1.3E-05	1.1E-05	1.2E-05	1.1E-05	1.3E-05	1.1E-05	8.4E-06	1.0E-05	6.6E-05
OVARIES	4.1E-06	4.7E-05	3.9E-06	6.5E-05	9.5E-05	1.2E-04	8.7E-06	1.5E-06	1.2E-06	1.5E-05
PANCREAS	6.3E-05	1.9E-06	1.3E-04	1.6E-05	1.3E-05	5.6E-06	4.9E-05	3.6E-05	2.1E-05	1.3E-05
SKIN	5.1E-06	4.9E-06	4.4E-06	4.0E-06	4.2E-06	4.4E-06	5.0E-06	4.5E-06	5.1E-06	6.8E-06
SPLEEN	4.8E-05	1.7E-06	7.1E-05	1.2E-05	9.2E-06	7.1E-06	6.2E-05	7.5E-06	1.6E-05	1.1E-05
TESTES	5.3E-07	3.8E-05	2.0E-07	2.7E-06	3.9E-06	1.5E-05	1.1E-06	8.8E-07	1.9E-07	9.3E-06
THYROID	1.5E-06	7.2E-08	1.1E-06	3.0E-07	3.2E-07	1.4E-07	7.2E-07	1.4E-06	9.1E-06	1.0E-05
UTERUS (NONGRVD)	2.8E-06	1.1E-04	6.7E-06	6.5E-05	3.3E-05	4.2E-05	6.2E-06	3.3E-06	7.2E-07	1.4E-05
TOTAL BODY	3.5E-05	1.6E-05	2.0E-05	3.2E-05	2.5E-05	2.7E-05	3.5E-05	3.5E-05	3.3E-05	3.3E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 OXYGEN-15 HALF-LIFE 3.44E-02 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	4.6E-06	6.3E-05	1.3E-05	1.3E-05	1.3E-05	4.9E-06	4.5E-05	5.3E-07	1.5E-06	3.9E-05	3.9E-05
BLADDER WALL	5.0E-05	1.5E-06	5.1E-06	4.9E-06	4.9E-06	4.7E-06	1.0E-06	3.8E-05	7.3E-08	3.6E-05	3.6E-05
BONE (TOTAL)	6.9E-06	6.9E-06	1.1E-04	3.3E-04	2.0E-04	6.4E-06	5.8E-06	5.0E-06	5.7E-06	3.3E-05	3.3E-05
GI (STOM WALL)	6.3E-06	1.3E-04	7.5E-06	4.4E-06	4.4E-06	4.9E-06	7.4E-05	8.8E-07	9.7E-07	3.5E-05	3.5E-05
GI (SI)	8.8E-05	1.3E-05	2.0E-05	6.0E-06	6.0E-06	4.2E-06	1.0E-05	4.0E-06	5.9E-08	3.7E-05	3.7E-05
GI (ULI WALL)	8.3E-05	1.6E-05	1.5E-05	5.2E-06	5.2E-06	4.4E-06	1.0E-05	2.4E-06	8.5E-08	3.7E-05	3.7E-05
GI (LLI WALL)	1.1E-04	4.0E-06	2.3E-05	7.1E-06	7.1E-06	4.5E-06	5.2E-06	2.1E-05	1.1E-07	3.7E-05	3.7E-05
KIDNEYS	8.5E-06	4.6E-05	1.8E-05	6.8E-06	6.8E-06	5.6E-06	6.4E-05	7.7E-07	3.8E-07	3.5E-05	3.5E-05
LIVER	4.6E-06	3.1E-05	7.7E-06	5.3E-06	5.3E-06	5.1E-06	8.0E-06	3.9E-07	1.2E-06	3.5E-05	3.5E-05
LUNGS	8.5E-07	1.8E-05	9.0E-06	7.4E-06	7.4E-06	5.1E-06	1.6E-05	1.1E-07	8.0E-06	3.4E-05	3.4E-05
MARROW (RED)	2.3E-05	1.3E-05	7.2E-04	4.4E-05	4.7E-04	5.9E-06	8.5E-06	3.9E-06	6.3E-06	3.4E-05	3.4E-05
OTH TISS (MUSC)	1.5E-05	1.3E-05	9.8E-06	8.3E-06	8.3E-06	6.8E-06	1.1E-05	9.3E-06	1.0E-05	3.3E-05	3.3E-05
OVARIES	1.5E-01	2.9E-06	2.7E-05	8.1E-06	8.1E-06	2.3E-06	8.0E-06	0.0	1.4E-07	3.5E-05	3.5E-05
PANCREAS	4.2E-06	1.7E-02	1.3E-05	6.8E-06	6.8E-06	4.4E-06	1.5E-04	2.9E-07	5.1E-07	3.5E-05	3.5E-05
SKIN	4.0E-06	3.8E-06	5.6E-06	6.5E-06	6.5E-06	6.1E-04	4.8E-06	1.2E-05	6.5E-06	2.9E-05	2.9E-05
SPLEEN	5.2E-06	1.4E-04	6.0E-06	6.3E-06	6.3E-06	5.0E-06	9.5E-03	9.8E-07	9.7E-07	3.5E-05	3.5E-05
TESTES	0.0	4.8E-07	3.2E-06	4.3E-06	4.3E-06	6.2E-06	7.2E-07	4.7E-02	2.6E-08	3.6E-05	3.6E-05
THYROID	1.4E-07	1.4E-06	6.8E-06	8.3E-06	8.3E-06	6.3E-06	1.1E-06	2.6E-08	8.0E-02	3.3E-05	3.3E-05
UTERUS (NONGRVD)	1.3E-04	4.7E-06	1.4E-05	4.4E-06	4.4E-06	4.3E-06	3.5E-06	0.0	1.3E-07	3.5E-05	3.5E-05
TOTAL BODY	3.7E-05	3.7E-05	3.4E-05	3.3E-05	3.3E-05	2.9E-05	3.5E-05	3.3E-05	3.2E-05	3.3E-05	3.3E-05

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.
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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 FLUORINE-18 HALF-LIFE 1.83 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	4.0E-02	1.7E-06	1.5E-05	9.0E-06	7.3E-06	3.6E-06	9.0E-05	3.5E-05	1.8E-05	1.1E-05
BLADDER WALL	8.0E-07	1.8E-03	3.3E-06	2.5E-05	1.4E-05	4.1E-05	2.8E-06	2.5E-06	5.4E-07	1.3E-05
BONE (FOTAL)	9.9E-06	4.3E-06	4.4E-06	5.7E-06	5.3E-06	7.6E-06	7.2E-06	5.3E-06	7.3E-06	8.1E-06
GI (STOM WALL)	2.1E-05	2.4E-06	1.4E-03	2.5E-05	2.6E-05	1.3E-05	2.4E-05	1.4E-05	1.3E-05	1.0E-05
GI (SI)	7.0E-06	1.9E-05	1.9E-05	8.7E-04	1.2E-04	6.5E-05	2.0E-05	1.1E-05	2.0E-06	1.1E-05
GI (ULI WALL)	7.6E-06	1.7E-05	2.4E-05	1.7E-04	1.5E-03	3.1E-05	2.1E-05	1.9E-05	2.8E-06	1.2E-05
GI (LLI WALL)	2.6E-06	5.1E-05	9.2E-06	4.9E-05	2.2E-05	2.3E-03	6.4E-06	2.4E-06	5.7E-07	1.2E-05
KIDNEYS	8.3E-05	2.8E-06	2.4E-05	2.3E-05	2.0E-05	6.0E-06	2.2E-03	2.7E-05	7.6E-06	1.0E-05
LIVER	3.5E-05	2.1E-06	1.5E-05	1.3E-05	1.8E-05	2.5E-06	2.9E-05	4.7E-04	1.7E-05	8.1E-06
LUNGS	1.7E-05	3.6E-07	1.4E-05	2.4E-06	2.5E-06	7.5E-07	6.9E-06	1.7E-05	6.2E-04	9.7E-06
MARROW (RED)	1.8E-05	9.1E-06	7.6E-06	1.8E-05	1.6E-05	2.3E-05	1.8E-05	7.8E-06	9.2E-06	1.0E-05
OTH TISS (MUSC)	1.1E-05	1.3E-05	1.0E-05	1.1E-05	1.1E-05	1.2E-05	1.0E-05	8.1E-06	9.7E-06	2.9E-05
OVARIES	4.0E-06	4.5E-05	3.7E-06	6.3E-05	9.2E-05	1.1E-04	8.4E-06	1.5E-06	1.1E-06	1.4E-05
PANCREAS	6.1E-05	1.9E-06	1.3E-04	1.5E-05	1.3E-05	5.4E-06	4.8E-05	3.5E-05	2.0E-05	1.3E-05
SKIN	5.0E-06	4.7E-06	4.3E-06	3.9E-06	4.0E-06	4.3E-06	4.8E-06	4.4E-06	5.0E-06	6.6E-06
SPLEEN	4.7E-05	1.7E-06	6.9E-05	1.1E-05	8.9E-06	6.9E-06	6.0E-05	7.3E-06	1.5E-05	1.1E-05
TESTES	5.2E-07	3.7E-05	1.9E-07	2.6E-06	3.8E-06	1.5E-05	1.1E-06	8.5E-07	1.8E-07	9.0E-06
THYROID	1.4E-06	7.0E-08	1.1E-06	2.9E-07	3.1E-07	1.3E-07	6.9E-07	1.3E-06	8.8E-06	1.0E-05
UTERUS (NONGRVD)	2.7E-06	1.1E-04	6.5E-06	6.3E-05	3.2E-05	4.0E-05	6.1E-06	3.2E-06	7.0E-07	1.4E-05
TOTAL BODY	2.0E-05	1.4E-05	1.5E-05	2.0E-05	1.7E-05	1.8E-05	2.0E-05	2.0E-05	1.8E-05	1.8E-05

DECAY DATA REVISED-MARCH, 1972. REFERENCE-BIRD PAMPHLET NO. 10.
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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 FLUORINE-18 HALF-LIFE 1.83 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY		
			R MARROW	CORT BONE TRA BONE							
ADRENALS	4.4E-06	6.1E-05	1.3E-05	1.2E-05	4.8E-06	4.4E-05	5.2E-07	1.4E-06	2.4E-05	2.4E-05	
BLADDER WALL	4.8E-05	1.4E-06	5.0E-06	4.8E-06	4.6E-06	9.9E-07	3.7E-05	7.1E-08	2.1E-05	2.1E-05	
BONE (TOTAL)	6.7E-06	6.7E-06	4.2E-05	1.3E-04	6.2E-06	5.6E-06	4.8E-06	5.5E-06	1.8E-05	1.8E-05	
GI (STOM WALL)	6.1E-06	1.2E-04	7.2E-06	4.3E-06	4.7E-06	7.1E-05	8.5E-07	9.4E-07	2.0E-05	2.0E-05	
GI (SI)	8.6E-05	1.3E-05	2.0E-05	5.9E-06	4.0E-06	1.0E-05	3.9E-06	5.7E-08	2.2E-05	2.2E-05	
GI (ULI WALL)	8.0E-05	1.6E-05	1.5E-05	5.1E-06	4.2E-06	1.0E-05	2.3E-06	8.2E-08	2.2E-05	2.2E-05	
GI (ILI WALL)	1.0E-04	3.9E-06	2.2E-05	6.9E-06	4.4E-06	5.1E-06	2.1E-05	1.1E-07	2.2E-05	2.2E-05	
KIDNEYS	8.3E-06	4.5E-05	1.7E-05	6.6E-06	5.5E-06	6.2E-05	7.5E-07	3.7E-07	2.0E-05	2.0E-05	
LIVER	4.5E-06	3.0E-05	7.4E-06	5.1E-06	4.9E-06	7.8E-06	3.8E-07	1.2E-06	2.0E-05	2.0E-05	
LUNGS	8.3E-07	1.7E-05	8.7E-06	7.1E-06	5.0E-06	1.6E-05	1.1E-07	7.8E-06	1.9E-05	1.9E-05	
MARROW (RED)	2.2E-05	1.3E-05	3.1E-04	2.5E-05	5.8E-06	8.2E-06	3.8E-06	6.1E-06	1.9E-05	1.9E-05	
OTH TISS (MUSC)	1.4E-05	1.3E-05	9.5E-06	8.1E-06	6.6E-06	1.1E-05	9.0E-06	1.0E-05	1.8E-05	1.8E-05	
OVARIES	5.2E-02	2.8E-06	2.6E-05	7.9E-06	2.2E-06	7.7E-06	0.0	1.3E-07	2.0E-05	2.0E-05	
PANCREAS	4.1E-06	6.7E-03	1.2E-05	6.6E-06	4.3E-06	1.4E-04	2.8E-07	4.9E-07	2.0E-05	2.0E-05	
SKIN	3.8E-06	3.7E-06	5.5E-06	6.3E-06	2.1E-04	4.6E-06	1.2E-05	6.3E-06	1.4E-05	1.4E-05	
SPLEEN	5.1E-06	1.4E-04	5.9E-06	6.1E-06	4.8E-06	3.8E-03	9.5E-07	9.4E-07	2.0E-05	2.0E-05	
TESTES	0.0	4.6E-07	3.2E-06	4.2E-06	6.0E-06	7.0E-07	1.7E-02	2.5E-08	2.1E-05	2.1E-05	
THYROID	1.3E-07	1.3E-06	6.6E-06	8.1E-06	6.1E-06	1.1E-06	2.5E-08	2.9E-02	1.8E-05	1.8E-05	
UTERUS (NONGRVD)	1.3E-04	4.6E-06	1.4E-05	4.2E-06	4.2E-06	3.4E-06	0.0	1.3E-07	2.0E-05	2.0E-05	
TOTAL BODY	2.2E-05	2.2E-05	1.9E-05	1.8E-05	1.4E-05	2.0E-05	1.8E-05	1.7E-05	1.8E-05	1.8E-05	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
SODIUM-22 HALF-LIFE 2.28E 04 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			LIVER	LUNGS	OTHER TISSUE (MUSCLE)		
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				LLI CONTENTS	
ADRENALS	3.7E-02	3.9E-06	4.0E-05	1.9E-05	1.7E-05	7.7E-06	1.9E-04	7.3E-05	3.5E-05	2.4E-05
BLADDER WALL	3.1E-06	2.1E-03	7.3E-06	4.7E-05	2.9E-05	8.8E-05	6.7E-06	4.3E-06	1.4E-06	2.7E-05
BONE (TOTAL)	2.1E-05	8.7E-06	9.1E-06	1.2E-05	1.1E-05	1.6E-05	1.5E-05	1.1E-05	1.5E-05	1.7E-05
GI (STOM WALL)	4.4E-05	6.4E-06	1.6E-03	5.3E-05	5.3E-05	2.5E-05	4.8E-05	3.0E-05	2.9E-05	2.2E-05
GI (SI)	1.5E-05	4.1E-05	3.9E-05	9.9E-04	2.4E-04	1.3E-04	4.3E-05	2.5E-05	4.8E-06	2.4E-05
GI (ULI WALL)	1.6E-05	3.3E-05	5.1E-05	3.4E-04	1.6E-03	6.4E-05	4.5E-05	3.7E-05	6.5E-06	2.5E-05
GI (LLI WALL)	5.3E-06	1.1E-04	2.1E-05	1.0E-04	4.6E-05	2.3E-03	1.5E-05	5.2E-06	1.2E-06	2.6E-05
KIDNEYS	1.7E-04	6.6E-06	5.0E-05	4.7E-05	4.3E-05	1.4E-05	2.4E-03	5.7E-05	1.6E-05	2.2E-05
LIVER	7.3E-05	4.6E-06	3.1E-05	2.8E-05	3.8E-05	6.2E-06	5.9E-05	6.2E-04	3.6E-05	1.7E-05
LUNGS	3.6E-05	1.1E-06	2.8E-05	5.3E-06	6.1E-06	2.2E-06	1.5E-05	3.7E-05	6.4E-04	2.0E-05
MARROW (RED)	3.7E-05	1.8E-05	1.5E-05	3.7E-05	3.2E-05	4.6E-05	3.8E-05	1.6E-05	1.9E-05	2.0E-05
OTH TISS (MUSC)	2.4E-05	2.7E-05	2.2E-05	2.4E-05	2.3E-05	2.6E-05	2.2E-05	1.7E-05	2.0E-05	3.8E-05
OVARIES	6.3E-06	9.4E-05	1.4E-05	1.4E-04	1.4E-04	2.5E-04	2.0E-05	9.6E-06	2.6E-06	3.0E-05
PANCREAS	1.3E-04	4.2E-06	2.6E-04	3.0E-05	3.0E-05	1.1E-05	1.0E-04	6.7E-05	3.9E-05	2.7E-05
SKIN	1.1E-05	1.1E-05	9.5E-06	8.9E-06	8.8E-06	9.8E-06	1.0E-05	9.7E-06	1.1E-05	1.4E-05
SPLEEN	9.3E-05	3.5E-06	1.4E-04	2.5E-05	2.1E-05	1.5E-05	1.3E-04	1.6E-05	3.1E-05	2.3E-05
TESTES	1.3E-06	7.3E-05	1.8E-06	7.5E-06	7.8E-06	2.7E-05	2.6E-06	2.6E-06	5.3E-07	1.9E-05
THYROID	3.5E-06	2.4E-07	2.6E-06	8.1E-07	8.6E-07	4.1E-07	1.7E-06	3.1E-06	1.8E-05	2.1E-05
UTERUS (NONGRVD)	6.8E-06	2.2E-04	1.5E-05	1.3E-04	7.2E-05	8.6E-05	1.5E-05	7.6E-06	2.5E-06	3.2E-05
TOTAL BODY	3.2E-05	2.9E-05	2.9E-05	3.5E-05	3.2E-05	3.2E-05	3.2E-05	3.2E-05	2.8E-05	2.8E-05

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22Na

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 SODIUM-22 HALF-LIFE 2.28E 04 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID	THYROID	TOTAL BODY	
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	9.0E-06	1.2E-04	3.4E-05	2.9E-05	2.9E-05	1.2E-05	9.9E-05	1.3E-06	3.4E-06	3.4E-06	4.3E-05
BLADDER WALL	1.0E-04	3.4E-06	1.5E-05	1.0E-05	1.0E-05	1.2E-05	3.8E-06	7.6E-05	2.5E-07	2.5E-07	3.5E-05
BONE (TOTAL)	1.4E-05	1.4E-05	5.5E-05	1.4E-04	1.1E-04	1.3E-05	1.2E-05	1.0E-05	1.2E-05	1.2E-05	2.8E-05
GI (STOM WALL)	1.4E-05	2.6E-04	1.7E-05	9.0E-06	9.0E-06	1.0E-05	1.5E-04	1.7E-06	2.4E-06	2.4E-06	3.1E-05
GI (SI)	1.7E-04	2.8E-05	4.0E-05	1.2E-05	1.2E-05	9.1E-06	2.2E-05	8.5E-06	5.1E-07	5.1E-07	3.6E-05
GI (ULI WALL)	1.6E-04	3.4E-05	3.0E-05	1.1E-05	1.1E-05	9.4E-06	2.2E-05	5.6E-06	6.0E-07	6.0E-07	3.5E-05
GI (LLI WALL)	2.1E-04	9.4E-06	4.5E-05	1.5E-05	1.5E-05	9.7E-06	1.0E-05	4.0E-05	3.5E-07	3.5E-07	3.6E-05
KIDNEYS	1.7E-05	9.3E-05	3.8E-05	1.6E-05	1.6E-05	1.2E-05	1.3E-04	2.2E-06	1.7E-06	1.7E-06	3.2E-05
LIVER	1.0E-05	6.2E-05	1.6E-05	1.1E-05	1.1E-05	1.1E-05	1.7E-05	1.4E-06	3.0E-06	3.0E-06	3.3E-05
LUNGS	2.3E-06	3.5E-05	1.9E-05	1.5E-05	1.5E-05	1.1E-05	3.3E-05	4.6E-07	1.7E-05	1.7E-05	2.8E-05
MARROW (RED)	4.5E-05	2.6E-05	3.2E-04	4.8E-05	1.5E-04	1.2E-05	1.7E-05	7.9E-06	1.3E-05	1.3E-05	3.1E-05
OTH TISS (MUSC)	3.0E-05	2.7E-05	2.0E-05	1.7E-05	1.7E-05	1.4E-05	2.3E-05	1.9E-05	2.1E-05	2.1E-05	2.8E-05
OVARIES	5.0E-02	1.0E-05	5.2E-05	1.5E-05	1.5E-05	7.3E-06	1.3E-05	0.0	4.2E-07	4.2E-07	3.2E-05
PANCREAS	1.0E-05	7.4E-03	2.2E-05	1.6E-05	1.6E-05	8.6E-06	2.8E-04	1.4E-06	2.9E-06	2.9E-06	3.1E-05
SKIN	8.5E-06	8.4E-06	1.2E-05	1.4E-05	1.4E-05	1.9E-04	1.0E-05	2.5E-05	1.4E-05	1.4E-05	2.1E-05
SPLEEN	9.7E-06	2.8E-04	1.4E-05	1.2E-05	1.2E-05	1.1E-05	4.3E-03	1.5E-06	2.7E-06	2.7E-06	3.2E-05
TESTES	0.0	1.6E-06	5.5E-06	1.0E-05	1.0E-05	1.4E-05	1.7E-06	1.7E-02	1.1E-07	1.1E-07	3.3E-05
THYROID	4.2E-07	2.4E-06	1.3E-05	1.5E-05	1.5E-05	1.2E-05	2.6E-06	1.1E-07	2.8E-02	2.8E-02	2.8E-05
UTERUS (NONGRVD)	2.6E-04	9.5E-06	2.7E-05	1.1E-05	1.1E-05	1.0E-05	6.7E-06	0.0	4.0E-07	4.0E-07	3.5E-05
TOTAL BODY	3.6E-05	3.6E-05	3.0E-05	2.8E-05	2.8E-05	2.0E-05	3.2E-05	2.8E-05	2.6E-05	2.6E-05	2.8E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
SODIUM-24 HALF-LIFE 15.0 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	9.6E-02	7.2E-06	7.0E-05	3.3E-05	3.0E-05	1.3E-05	1.4E-04	4.3E-05	3.8E-05
BLADDER WALL	8.2E-06	4.6E-03	1.1E-05	7.0E-05	5.2E-05	1.4E-04	7.8E-06	3.0E-06	4.4E-05
BONE (TOTAL)	3.3E-05	1.5E-05	1.5E-05	2.0E-05	1.8E-05	2.5E-05	1.9E-05	2.5E-05	2.9E-05
GI (STOM WALL)	6.4E-05	1.4E-05	3.6E-03	8.5E-05	8.3E-05	4.5E-05	5.2E-05	4.8E-05	3.6E-05
GI (SI)	2.7E-05	7.0E-05	6.4E-05	2.2E-03	3.6E-04	2.1E-04	4.1E-05	9.8E-06	3.9E-05
GI (ULI WALL)	2.8E-05	5.1E-05	8.1E-05	5.4E-04	3.7E-03	1.0E-04	5.7E-05	1.3E-05	4.1E-05
GI (LLI WALL)	1.1E-05	1.7E-04	3.4E-05	1.7E-04	7.0E-05	5.6E-03	9.9E-06	2.2E-06	4.2E-05
KIDNEYS	2.6E-04	1.2E-05	7.8E-05	7.2E-05	6.6E-05	2.7E-05	9.2E-05	2.5E-05	3.7E-05
LIVER	1.2E-04	9.5E-06	5.2E-05	4.7E-05	6.3E-05	1.1E-05	1.3E-03	5.8E-05	2.9E-05
LUNGS	5.9E-05	3.1E-06	4.4E-05	1.0E-05	1.1E-05	5.7E-06	6.0E-05	1.5E-03	3.3E-05
MARROW (RED)	5.9E-05	2.9E-05	2.5E-05	5.8E-05	5.0E-05	7.2E-05	2.7E-05	3.1E-05	3.3E-05
OTH TISS (MUSC)	3.8E-05	4.4E-05	3.6E-05	3.9E-05	3.7E-05	4.2E-05	2.9E-05	3.3E-05	8.0E-05
OVARIES	1.1E-05	1.5E-04	2.6E-05	2.2E-04	2.3E-04	4.0E-04	2.2E-05	5.1E-06	4.9E-05
PANCREAS	2.1E-04	9.4E-06	3.9E-04	4.8E-05	6.2E-05	1.8E-05	9.2E-05	5.7E-05	4.4E-05
SKIN	1.9E-05	1.8E-05	1.7E-05	1.6E-05	1.6E-05	1.8E-05	1.7E-05	1.8E-05	2.4E-05
SPLEEN	1.4E-04	7.2E-06	2.2E-04	4.1E-05	3.5E-05	2.6E-05	2.6E-05	5.2E-05	3.7E-05
TESTES	3.0E-06	1.2E-04	5.1E-06	1.6E-05	1.4E-05	4.5E-05	4.5E-06	1.4E-06	3.6E-05
THYROID	6.6E-06	7.5E-07	5.2E-06	2.0E-06	2.0E-06	1.1E-06	5.9E-06	2.6E-05	3.4E-05
UTERUS (NONGRVD)	1.0E-05	3.4E-04	2.8E-05	1.9E-04	1.2E-04	1.4E-04	1.5E-05	6.4E-06	5.7E-05
TOTAL BODY	5.9E-05	4.8E-05	4.9E-05	6.1E-05	5.5E-05	5.7E-05	5.9E-05	5.2E-05	5.3E-05

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24Na

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 SODIUM-24 HALF-LIFE 15.0 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA	BONE					
ADRENALS	1.4E-05	1.7E-04	5.6E-05	4.1E-05	4.1E-05	2.5E-05	1.6E-04	3.0E-06	6.4E-06	7.2E-05	
BLADDER WALL	1.6E-04	1.1E-05	2.6E-05	1.8E-05	1.8E-05	1.9E-05	8.5E-06	1.1E-04	7.5E-07	6.4E-05	
BONE (TOTAL)	2.2E-05	2.2E-05	1.2E-04	3.2E-04	2.2E-04	2.2E-05	1.9E-05	1.7E-05	1.9E-05	5.3E-05	
GI (STOM WALL)	2.7E-05	4.0E-04	2.7E-05	1.5E-05	1.5E-05	1.7E-05	2.3E-04	3.8E-06	4.2E-06	5.6E-05	
GI (SI)	2.7E-04	4.6E-05	6.3E-05	2.0E-05	2.0E-05	1.6E-05	3.6E-05	1.6E-05	1.7E-06	6.5E-05	
GI (ULI WALL)	2.5E-04	5.3E-05	5.1E-05	1.9E-05	1.9E-05	1.6E-05	3.7E-05	1.5E-05	2.2E-06	6.1E-05	
GI (LLI WALL)	3.3E-04	1.6E-05	7.6E-05	2.5E-05	2.5E-05	1.7E-05	1.8E-05	6.6E-05	9.7E-07	6.9E-05	
KIDNEYS	3.0E-05	1.5E-04	6.4E-05	2.4E-05	2.4E-05	2.0E-05	2.0E-04	4.7E-06	3.9E-06	5.8E-05	
LIVER	1.9E-05	9.6E-05	2.7E-05	2.0E-05	2.0E-05	1.8E-05	2.8E-05	3.5E-06	7.0E-06	5.9E-05	
LUNGS	5.3E-06	5.6E-05	3.1E-05	2.5E-05	2.5E-05	1.9E-05	5.4E-05	1.2E-06	2.9E-05	5.1E-05	
MARROW (RED)	6.9E-05	4.1E-05	7.1E-04	8.6E-05	4.0E-04	2.1E-05	2.8E-05	1.4E-05	2.1E-05	5.6E-05	
OTH TISS (MUSC)	4.9E-05	4.4E-05	3.3E-05	2.9E-05	2.9E-05	2.4E-05	3.7E-05	3.6E-05	3.4E-05	5.3E-05	
OVARIES	1.3E-01	2.0E-05	7.9E-05	2.3E-05	2.3E-05	1.6E-05	7.5E-06	0.0	1.1E-06	7.1E-05	
PANCREAS	1.6E-05	1.7E-02	3.3E-05	2.7E-05	2.7E-05	1.5E-05	4.2E-04	4.6E-06	7.4E-06	7.1E-05	
SKIN	1.4E-05	1.5E-05	2.0E-05	2.3E-05	2.3E-05	5.1E-04	1.6E-05	4.0E-05	2.4E-05	4.2E-05	
SPLEEN	1.9E-05	4.3E-04	2.8E-05	1.7E-05	1.7E-05	1.7E-05	9.6E-03	3.3E-06	5.0E-06	5.5E-05	
TESTES	0.0	4.0E-06	1.1E-05	2.6E-05	2.6E-05	2.7E-05	3.7E-06	4.2E-02	3.9E-07	5.8E-05	
THYROID	1.1E-06	5.7E-06	2.2E-05	1.4E-05	1.4E-05	2.2E-05	5.1E-06	3.9E-07	7.0E-02	5.5E-05	
UTERUS (NONGRVD)	4.1E-04	1.6E-05	3.7E-05	1.6E-05	1.6E-05	1.8E-05	1.4E-05	0.0	1.1E-06	6.9E-05	
TOTAL BODY	6.6E-05	6.5E-05	5.7E-05	5.3E-05	5.3E-05	4.1E-05	5.9E-05	5.3E-05	5.0E-05	5.3E-05	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
MAGNESIUM-28 HALF-LIFE 21.3 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	2.8E-02	2.4E-06	2.7E-05	1.1E-05	1.1E-05	4.7E-06	1.2E-04	4.5E-05	2.1E-05	1.5E-05
BLADDER WALL	2.3E-06	1.5E-03	4.4E-06	2.7E-05	1.8E-05	5.5E-05	4.3E-06	2.2E-06	9.0E-07	1.7E-05
BONE (TOTAL)	1.3E-05	5.3E-06	5.6E-06	7.5E-06	6.8E-06	1.0E-05	9.4E-06	7.1E-06	9.6E-06	1.1E-05
GI (STOM WALL)	2.6E-05	4.3E-06	1.2E-03	3.3E-05	3.2E-05	1.5E-05	2.9E-05	1.8E-05	1.9E-05	1.4E-05
GI (SI)	9.5E-06	2.5E-05	2.3E-05	7.1E-04	1.5E-04	8.5E-05	2.7E-05	1.5E-05	3.0E-06	1.5E-05
GI (ULI WALL)	9.7E-06	1.9E-05	3.2E-05	2.2E-04	1.2E-03	4.0E-05	2.7E-05	2.2E-05	4.0E-06	1.6E-05
GI (LLI WALL)	3.1E-06	6.5E-05	1.3E-05	6.6E-05	2.9E-05	1.7E-03	9.0E-06	3.1E-06	7.8E-07	1.6E-05
KIDNEYS	1.0E-04	4.1E-06	3.0E-05	2.8E-05	2.6E-05	8.8E-06	1.8E-03	3.5E-05	1.0E-05	1.4E-05
LIVER	4.5E-05	2.8E-06	1.9E-05	1.7E-05	2.4E-05	4.0E-06	3.6E-05	4.3E-04	2.3E-05	1.1E-05
LUNGS	2.3E-05	8.0E-07	1.7E-05	3.2E-06	4.0E-06	1.5E-06	9.1E-06	2.4E-05	4.7E-04	1.3E-05
MARROW (RED)	2.3E-05	1.1E-05	9.3E-06	2.3E-05	2.0E-05	3.1E-05	2.4E-05	1.0E-05	1.2E-05	1.3E-05
OTH TISS (MUSC)	1.5E-05	1.7E-05	1.4E-05	1.5E-05	1.4E-05	1.6E-05	1.4E-05	1.1E-05	1.3E-05	2.6E-05
OVARIES	3.3E-06	5.7E-05	1.1E-05	8.6E-05	7.4E-05	1.6E-04	1.3E-05	7.8E-06	1.7E-06	1.9E-05
PANCREAS	8.1E-05	2.6E-06	1.6E-04	1.7E-05	1.9E-05	6.5E-06	6.2E-05	3.9E-05	2.3E-05	1.7E-05
SKIN	7.1E-06	6.7E-06	5.9E-06	5.6E-06	5.4E-06	6.2E-06	6.5E-06	6.0E-06	6.7E-06	9.1E-06
SPLEEN	5.6E-05	2.1E-06	8.9E-05	1.5E-05	1.3E-05	9.5E-06	7.9E-05	9.8E-06	1.9E-05	1.4E-05
TESTES	8.8E-07	4.3E-05	1.5E-06	5.2E-06	4.6E-06	1.5E-05	1.7E-06	1.8E-06	3.6E-07	1.2E-05
THYROID	2.2E-06	1.8E-07	1.7E-06	5.4E-07	5.7E-07	2.8E-07	1.1E-06	2.0E-06	1.1E-05	1.3E-05
UTERUS (NONGRVD)	5.2E-06	1.3E-04	9.3E-06	7.9E-05	4.5E-05	5.4E-05	9.3E-06	4.8E-06	1.8E-06	2.1E-05
TOTAL BODY	2.1E-05	1.8E-05	1.8E-05	2.2E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	1.9E-05	1.9E-05

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28Mg

(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCL-H)
MAGNESIUM-28 HALF-LIFE 21.3 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID		
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	5.2E-06	7.1E-05	2.4E-05	1.8E-05	1.8E-05	8.1E-06	6.4E-05	8.8E-07	2.1E-06	2.8E-05	2.8E-05
BLADDER WALL	6.4E-05	2.1E-06	1.0E-05	5.8E-06	5.8E-06	7.6E-06	2.8E-06	4.7E-05	1.8E-07	2.3E-05	2.3E-05
BONE (TOTAL)	8.8E-06	8.7E-06	3.6E-05	1.0E-04	8.2E-05	8.6E-06	7.5E-06	6.2E-06	7.1E-06	1.9E-05	1.9E-05
GI (STOM WALL)	8.4E-06	1.6E-04	1.1E-05	5.4E-06	5.4E-06	6.3E-06	9.2E-05	1.0E-06	1.5E-06	2.0E-05	2.0E-05
GI (SI)	1.1E-04	1.7E-05	2.4E-05	7.6E-06	7.6E-06	5.7E-06	1.4E-05	5.1E-06	4.3E-07	2.3E-05	2.3E-05
GI (ULI WALL)	1.0E-04	2.0E-05	1.8E-05	7.2E-06	7.2E-06	5.8E-06	1.3E-05	3.7E-06	5.0E-07	2.2E-05	2.2E-05
GI (ILI WALL)	1.3E-04	6.0E-06	2.8E-05	9.7E-06	9.7E-06	6.0E-06	6.2E-06	2.3E-05	2.4E-07	2.3E-05	2.3E-05
KIDNEYS	1.0E-05	5.7E-05	2.3E-05	1.0E-05	1.0E-05	7.4E-06	8.0E-05	1.5E-06	1.3E-06	2.1E-05	2.1E-05
LIVER	6.2E-06	3.8E-05	9.7E-06	6.9E-06	6.9E-06	6.5E-06	1.0E-05	1.0E-06	1.9E-06	2.1E-05	2.1E-05
LUNGS	1.5E-06	2.2E-05	1.2E-05	9.4E-06	9.4E-06	6.9E-06	2.0E-05	3.5E-07	1.0E-05	1.8E-05	1.8E-05
MARROW (RED)	2.9E-05	1.6E-05	2.5E-04	3.3E-05	3.3E-05	8.1E-06	1.1E-05	4.8E-06	7.7E-06	2.1E-05	2.1E-05
OTH TISS (MUSC)	1.9E-05	1.7E-05	1.2E-05	1.1E-05	1.1E-05	9.1E-06	1.4E-05	1.2E-05	1.3E-05	1.9E-05	1.9E-05
OVARIES	3.7E-02	7.7E-06	3.0E-05	9.0E-06	9.0E-06	5.3E-06	6.1E-06	0.0	2.9E-07	2.1E-05	2.1E-05
PANCREAS	6.8E-06	5.4E-03	1.2E-05	1.0E-05	1.0E-05	5.1E-06	1.7E-04	1.1E-06	2.3E-06	2.1E-05	2.1E-05
SKIN	5.3E-06	5.3E-06	7.4E-06	8.4E-06	8.4E-06	1.5E-04	6.2E-06	1.6E-05	9.0E-06	1.4E-05	1.4E-05
SPLEEN	5.5E-06	1.8E-04	9.3E-06	7.3E-06	7.3E-06	6.6E-06	3.1E-03	7.1E-07	1.8E-06	2.1E-05	2.1E-05
TESTES	0.0	1.2E-06	3.0E-06	6.7E-06	6.7E-06	9.5E-06	1.1E-06	1.3E-02	8.0E-08	2.1E-05	2.1E-05
THYROID	2.9E-07	1.3E-06	7.8E-06	8.4E-06	8.4E-06	7.3E-06	1.6E-06	7.9E-08	2.1E-02	1.9E-05	1.9E-05
UTERUS (NONGRVD)	1.6E-04	5.7E-06	1.6E-05	7.2E-06	7.2E-06	6.5E-06	3.9E-06	0.0	2.8E-07	2.4E-05	2.4E-05
TOTAL BODY	2.4E-05	2.3E-05	2.0E-05	1.9E-05	1.9E-05	1.4E-05	2.1E-05	1.9E-05	1.7E-05	1.9E-05	1.9E-05

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.

DATE OF ISSUE-05-13-75

S, ABSORBED DOSE (RAD) PER 1 UCI-H
OF MAGNESIUM-28 (HALF-LIFE 21.3 HOURS) AND 1 UCI-H OF ALUMINUM-28 (HALF-LIFE 3.73E-02 HOURS)

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	2.2E-01	5.6E-06	6.2E-05	2.7E-05	2.3E-05	1.0E-05	2.4E-04	1.0E-04	3.7E-05	3.2E-05
BLADDER WALL	5.6E-06	8.9E-03	9.1E-06	6.2E-05	4.1E-05	1.2E-05	9.1E-06	5.5E-06	2.2E-06	3.7E-05
BONE (TOTAL)	2.8E-05	1.2E-05	1.2E-05	1.6E-05	1.5E-05	2.1E-05	2.0E-05	1.6E-05	2.1E-05	2.4E-05
GI (STOM WALL)	5.5E-05	1.0E-05	7.0E-03	7.2E-05	7.0E-05	3.4E-05	6.4E-05	4.1E-05	4.3E-05	3.0E-05
GI (SI)	2.2E-05	5.7E-05	5.2E-05	4.3E-03	3.2E-04	1.8E-04	5.9E-05	3.4E-05	7.2E-06	3.2E-05
GI (ULI WALL)	2.2E-05	4.1E-05	7.0E-05	4.7E-04	7.6E-03	8.6E-05	5.8E-05	4.7E-05	9.3E-06	3.4E-05
GI (LLI WALL)	8.3E-06	1.4E-04	2.9E-05	1.4E-04	6.1E-05	1.2E-02	2.1E-05	7.2E-06	1.6E-06	3.5E-05
KIDNEYS	2.2E-04	9.6E-06	6.6E-05	6.1E-05	5.6E-05	2.1E-05	1.1E-02	7.7E-05	2.1E-05	3.0E-05
LIVER	9.8E-05	7.0E-06	4.2E-05	3.9E-05	5.2E-05	9.1E-06	7.8E-05	2.2E-03	4.9E-05	2.4E-05
LUNGS	5.0E-05	2.0E-06	3.7E-05	7.5E-06	9.1E-06	4.1E-06	2.0E-05	5.1E-05	3.3E-03	2.8E-05
MARROW (RED)	4.9E-05	2.4E-05	2.0E-05	5.0E-05	4.2E-05	6.3E-05	5.1E-05	2.2E-05	2.6E-05	2.8E-05
OTH TISS (MUSC)	3.2E-05	3.7E-05	3.0E-05	3.2E-05	3.1E-05	3.5E-05	3.0E-05	2.4E-05	2.8E-05	1.4E-04
OVARIES	7.2E-06	1.3E-04	2.2E-05	1.7E-04	1.8E-04	3.5E-04	2.7E-05	1.8E-05	3.9E-06	4.1E-05
PANCREAS	1.8E-04	6.9E-06	3.4E-04	3.8E-05	4.5E-05	1.5E-05	1.3E-04	8.0E-05	4.8E-05	3.7E-05
SKIN	1.6E-05	1.5E-05	1.4E-05	1.3E-05	1.2E-05	1.4E-05	1.5E-05	1.4E-05	1.5E-05	2.0E-05
SPLEEN	1.2E-04	5.6E-06	1.9E-04	3.5E-05	2.9E-05	2.1E-05	1.7E-04	2.1E-05	4.1E-05	3.1E-05
TESTES	2.2E-06	9.4E-05	3.8E-06	1.3E-05	1.0E-05	3.6E-05	3.9E-06	3.6E-06	9.4E-07	2.8E-05
THYROID	5.2E-06	4.8E-07	3.9E-06	1.4E-06	1.4E-06	7.4E-07	2.7E-06	4.6E-06	2.2E-05	2.9E-05
UTERUS (NONGRVD)	9.5E-06	2.9E-04	2.0E-05	1.7E-04	1.0E-04	1.2E-04	2.0E-05	1.2E-05	4.6E-06	4.5E-05
TOTAL BODY	7.7E-05	4.3E-05	5.0E-05	7.4E-05	6.0E-05	6.4E-05	7.8E-05	7.8E-05	7.2E-05	7.3E-05

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.

DATE OF ISSUE-05-22-75

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S, ABSORBED DOSE (RAD) PER 1 UCI-H
 OF MAGNESIUM-28 (HALF-LIFE 21.3 HOURS) AND 1 UCI-H OF ALUMINUM-28 (HALF-LIFE 3.73E-02 HOURS)
 (CONTINUED)

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	1.2E-05	1.5E-04	4.3E-05	3.7E-05	3.7E-05	1.9E-05	1.4E-04	2.2E-06	4.9E-06	9.4E-05	
BLADDER WALL	1.3E-04	7.0E-06	2.1E-05	1.4E-05	1.4E-05	1.7E-05	6.4E-06	9.8E-05	4.8E-07	8.0E-05	
BONE (TOTAL)	1.9E-05	1.9E-05	2.1E-04	6.7E-04	4.2E-04	1.9E-05	1.6E-05	1.4E-05	1.6E-05	7.3E-05	
GI (STOM WALL)	2.0E-05	3.4E-04	2.2E-05	1.2E-05	1.2E-05	1.4E-05	2.0E-04	2.7E-06	3.4E-06	7.4E-05	
GI (SI)	2.3E-04	3.7E-05	5.2E-05	1.7E-05	1.7E-05	1.3E-05	3.0E-05	1.2E-05	1.2E-06	8.2E-05	
GI (ULI WALL)	2.2E-04	4.4E-05	4.0E-05	1.6E-05	1.6E-05	1.3E-05	3.1E-05	1.0E-05	1.3E-06	8.0E-05	
GI (LLI WALL)	2.8E-04	1.3E-05	6.3E-05	2.1E-05	2.1E-05	1.4E-05	1.4E-05	5.2E-05	6.5E-07	8.6E-05	
KIDNEYS	2.3E-05	1.2E-04	5.3E-05	2.1E-05	2.1E-05	1.6E-05	1.7E-04	3.3E-06	3.3E-06	7.7E-05	
LIVER	1.5E-05	8.1E-05	2.2E-05	1.6E-05	1.6E-05	1.5E-05	2.3E-05	2.6E-06	5.0E-06	7.7E-05	
LUNGS	3.7E-06	4.7E-05	2.6E-05	2.1E-05	2.1E-05	1.6E-05	4.4E-05	8.7E-07	2.3E-05	7.1E-05	
MARROW (RED)	6.0E-05	3.5E-05	1.5E-03	1.1E-04	8.8E-04	1.7E-05	2.3E-05	1.1E-05	1.7E-05	7.6E-05	
OTH TISS (MUSC)	4.1E-05	3.7E-05	2.7E-05	2.4E-05	2.4E-05	2.0E-05	3.1E-05	2.8E-05	2.9E-05	7.3E-05	
OVARIES	2.9E-01	1.6E-05	6.8E-05	1.9E-05	1.9E-05	1.3E-05	1.0E-05	0.0	7.6E-07	8.3E-05	
PANCREAS	1.2E-05	3.4E-02	2.7E-05	2.4E-05	2.4E-05	1.2E-05	3.6E-04	3.2E-06	6.3E-06	8.4E-05	
SKIN	1.2E-05	1.2E-05	1.7E-05	1.9E-05	1.9E-05	1.2E-03	1.3E-05	3.4E-05	2.0E-05	6.3E-05	
SPLEEN	1.4E-05	3.7E-04	2.1E-05	1.5E-05	1.5E-05	1.4E-05	1.9E-02	2.3E-06	3.8E-06	7.5E-05	
TESTES	0.0	2.9E-06	7.4E-06	1.9E-05	1.9E-05	2.1E-05	2.7E-06	9.2E-02	2.3E-07	7.6E-05	
THYROID	7.6E-07	4.0E-06	1.7E-05	1.5E-05	1.5E-05	1.7E-05	3.9E-06	2.3E-07	1.6E-01	7.2E-05	
UTERUS (NONGRVD)	3.4E-04	1.3E-05	3.3E-05	1.4E-05	1.4E-05	1.4E-05	8.7E-06	0.0	7.3E-07	8.3E-05	
TOTAL BODY	8.3E-05	8.3E-05	7.6E-05	7.3E-05	7.3E-05	6.3E-05	7.8E-05	7.3E-05	7.0E-05	7.3E-05	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
ALUMINUM-28 HALF-LIFE 3.73E-02 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS	LLI CONTENTS	INTESTINAL TRACT CONTENTS	KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
ADRENALS	1.9E-01	3.2E-06	3.6E-05	1.5E-05	1.2E-05	5.8E-06	5.8E-06	1.3E-04	5.5E-05	1.7E-05	1.7E-05
BLADDER WALL	3.4E-06	7.4E-03	4.6E-06	3.5E-05	2.3E-05	6.9E-05	6.9E-05	4.9E-06	3.3E-06	1.3E-06	2.0E-05
BONE (TOTAL)	1.5E-05	6.5E-06	6.7E-06	8.7E-06	7.9E-06	1.1E-05	1.1E-05	1.1E-05	8.4E-06	1.1E-05	1.3E-05
GI (STOM WALL)	2.8E-05	6.1E-06	5.8E-03	3.9E-05	3.7E-05	2.0E-05	2.0E-05	3.5E-05	2.3E-05	2.4E-05	1.6E-05
GI (SI)	1.2E-05	3.2E-05	2.9E-05	3.6E-03	1.7E-04	9.7E-05	9.7E-05	3.2E-05	1.8E-05	4.2E-06	1.7E-05
GI (ULI WALL)	1.2E-05	2.3E-05	3.7E-05	2.5E-04	6.5E-03	4.6E-05	4.6E-05	3.1E-05	2.6E-05	5.3E-06	1.8E-05
GI (LLI WALL)	5.1E-06	7.9E-05	1.6E-05	7.7E-05	3.2E-05	1.0E-02	1.0E-02	1.2E-05	4.1E-06	8.5E-07	1.9E-05
KIDNEYS	1.2E-04	5.5E-06	3.5E-05	3.3E-05	3.0E-05	1.2E-05	1.2E-05	9.3E-03	4.2E-05	1.1E-05	1.6E-05
LIVER	5.3E-05	4.1E-06	2.3E-05	2.1E-05	2.8E-05	5.1E-06	5.1E-06	4.3E-05	1.7E-03	2.6E-05	1.3E-05
LUNGS	2.7E-05	1.2E-06	2.0E-05	4.3E-06	5.1E-06	2.6E-06	2.6E-06	1.1E-05	2.8E-05	2.8E-03	1.5E-05
MARROW (RED)	2.6E-05	1.3E-05	1.1E-05	2.6E-05	2.3E-05	3.3E-05	3.3E-05	2.7E-05	1.2E-05	1.4E-05	1.5E-05
OTH TISS (MUSC)	1.7E-05	2.0E-05	1.6E-05	1.7E-05	1.7E-05	1.9E-05	1.9E-05	1.6E-05	1.3E-05	1.5E-05	1.1E-04
OVARIES	4.0E-06	7.4E-05	1.1E-05	8.4E-05	1.0E-04	1.8E-04	1.8E-04	1.4E-05	1.0E-05	2.2E-06	2.2E-05
PANCREAS	9.4E-05	4.3E-06	1.8E-04	2.1E-05	2.5E-05	8.6E-06	8.6E-06	6.5E-05	4.1E-05	2.5E-05	2.0E-05
SKIN	8.5E-06	8.2E-06	7.7E-06	7.0E-06	7.0E-06	8.0E-06	8.0E-06	8.1E-06	7.8E-06	8.3E-06	1.1E-05
SPLEEN	6.4E-05	3.4E-06	1.0E-04	1.9E-05	1.6E-05	1.2E-05	1.2E-05	8.7E-05	1.2E-05	2.2E-05	1.7E-05
TESTES	1.3E-06	5.1E-05	2.2E-06	7.7E-06	5.9E-06	2.1E-05	2.1E-05	2.3E-06	1.8E-06	5.7E-07	1.6E-05
THYROID	3.0E-06	3.0E-07	2.3E-06	8.3E-07	8.7E-07	4.6E-07	4.6E-07	1.6E-06	2.6E-06	1.1E-05	1.5E-05
UTERUS (NONGRVD)	4.3E-06	1.5E-04	1.1E-05	8.7E-05	5.6E-05	6.2E-05	6.2E-05	1.0E-05	7.3E-06	2.7E-06	2.4E-05
TOTAL BODY	5.7E-05	2.5E-05	3.1E-05	5.2E-05	3.9E-05	4.4E-05	4.4E-05	5.7E-05	5.7E-05	5.4E-05	5.4E-05

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DATE OF ISSUE-05-13-75

28A1

(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
ALUMINUM-28 HALF-LIFE 3.73E-02 HOURS

SOURCE ORGANS

TARGET ORGANS	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY
			R MARROW	CORT BONE TRA BONE					
ADRENALS	6.4E-06	8.0E-05	2.0E-05	1.9E-05	1.1E-05	7.1E-05	1.3E-06	2.8E-06	6.6E-05
BLADDER WALL	7.0E-05	4.9E-06	1.0E-05	8.2E-06	9.3E-06	3.5E-06	5.2E-05	3.0E-07	5.7E-05
BONE (TOTAL)	1.0E-05	1.0E-05	1.8E-04	3.4E-04	9.9E-06	8.6E-06	7.5E-06	8.6E-06	5.4E-05
GI (STOM WALL)	1.2E-05	1.8E-04	1.2E-05	6.8E-06	7.5E-06	1.1E-04	1.7E-06	1.9E-06	5.4E-05
GI (SI)	1.2E-04	2.1E-05	2.8E-05	8.9E-06	7.1E-06	1.7E-05	6.9E-06	7.3E-07	5.9E-05
GI (ULI WALL)	1.2E-04	2.4E-05	2.2E-05	8.8E-06	6.9E-06	1.8E-05	6.8E-06	7.8E-07	5.8E-05
GI (ILI WALL)	1.5E-04	7.2E-06	3.6E-05	1.1E-05	7.6E-06	8.2E-06	2.9E-05	4.0E-07	6.3E-05
KIDNEYS	1.3E-05	6.5E-05	3.0E-05	1.0E-05	8.9E-06	9.2E-05	1.8E-06	1.9E-06	5.6E-05
LIVER	8.5E-06	4.3E-05	1.2E-05	9.1E-06	8.4E-06	1.3E-05	1.6E-06	3.1E-06	5.6E-05
LUNGS	2.2E-06	2.5E-05	1.4E-05	1.2E-05	8.6E-06	2.4E-05	5.2E-07	1.2E-05	5.3E-05
MARROW (RED)	3.1E-05	1.9E-05	1.2E-03	7.7E-05	9.3E-06	1.2E-05	5.9E-06	9.5E-06	5.5E-05
OTH TISS (MUSC)	2.2E-05	2.0E-05	1.5E-05	1.3E-05	1.1E-05	1.7E-05	1.6E-05	1.5E-05	5.4E-05
OVARIES	2.5E-01	8.7E-06	3.8E-05	1.0E-05	7.4E-06	4.4E-06	0.0	4.7E-07	6.2E-05
PANCREAS	5.0E-06	2.9E-02	1.5E-05	1.4E-05	6.9E-06	1.9E-04	2.1E-06	4.0E-06	6.4E-05
SKIN	6.2E-06	6.5E-06	9.3E-06	1.0E-05	1.0E-03	7.2E-06	1.8E-05	1.1E-05	4.9E-05
SPLEEN	8.1E-06	2.0E-04	1.2E-05	8.0E-06	7.0E-06	1.6E-02	1.6E-06	2.0E-06	5.4E-05
TESTES	0.0	1.7E-06	4.4E-06	1.2E-05	1.1E-05	1.6E-06	7.9E-02	1.5E-07	5.6E-05
THYROID	4.7E-07	2.7E-06	9.2E-06	6.8E-06	9.8E-06	2.2E-06	1.5E-07	1.4E-01	5.3E-05
UTERUS (NONGRVD)	1.8E-04	7.5E-06	1.6E-05	6.7E-06	7.2E-06	4.8E-06	0.0	4.6E-07	5.9E-05
TOTAL BODY	6.0E-05	5.9E-05	5.6E-05	5.4E-05	4.9E-05	5.7E-05	5.4E-05	5.2E-05	5.4E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 PHOSPHORUS-32 HALF-LIFE 343. HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	1.1E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
BLADDER WALL	0.0	3.7E-03	0.0	0.0	0.0	0.0	0.0	0.0	
BONE (TOTAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
GI (STOM WALL)	0.0	0.0	3.0E-03	0.0	0.0	0.0	0.0	0.0	
GI (SI)	0.0	0.0	0.0	1.9E-03	0.0	0.0	0.0	0.0	
GI (ULI WALL)	0.0	0.0	0.0	0.0	3.4E-03	0.0	0.0	0.0	
GI (LLI WALL)	0.0	0.0	0.0	0.0	0.0	5.5E-03	0.0	0.0	
KIDNEYS	0.0	0.0	0.0	0.0	0.0	4.8E-03	0.0	0.0	
LIVER	0.0	0.0	0.0	0.0	0.0	0.0	8.2E-04	0.0	
LUNGS	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-03	0.0	
MARROW (RED)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
OTH TISS (MUSC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3E-05	
OVARIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PANCREAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SKIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SPLEEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TESTES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
THYROID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
UTERUS (NONGRVD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL BODY	2.1E-05	2.4E-06	6.3E-06	1.7E-05	1.0E-05	2.1E-05	2.1E-05	2.1E-05	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 PHOSPHORUS-32 HALF-LIFE 343. HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID		
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1E-05
BLADDER WALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1E-05
BONE (TOTAL)	0.0	0.0	8.7E-05	3.0E-04	1.7E-04	0.0	0.0	0.0	0.0	0.0	2.1E-05
GI (STOM WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1E-05
GI (SI)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1E-05
GI (ULI WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1E-05
GI (ILI WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1E-05
KIDNEYS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1E-05
LIVER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1E-05
LUNGS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1E-05
MARROW (RED)	0.0	0.0	6.5E-04	1.9E-05	4.3E-04	0.0	0.0	0.0	0.0	0.0	2.1E-05
OTH TISS (MUSC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1E-05
OVARIES	1.3E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1E-05
PANCREAS	0.0	1.5E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1E-05
SKIN	0.0	0.0	0.0	0.0	0.0	5.7E-04	0.0	0.0	0.0	0.0	2.1E-05
SPLEEN	0.0	0.0	0.0	0.0	0.0	0.0	8.2E-03	0.0	0.0	0.0	2.1E-05
TESTES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2E-02	0.0	0.0	2.1E-05
THYROID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4E-02	0.0	2.1E-05
UTERUS (NONGRVD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1E-05
TOTAL BODY	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
SULPHUR-35 HALF-LIFE 2.09E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	7.4E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
BLADDER WALL	0.0	2.6E-04	0.0	0.0	0.0	0.0	0.0	0.0	
BONE (TOTAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
GI (STOM WALL)	0.0	0.0	2.1E-04	0.0	0.0	0.0	0.0	0.0	
GI (SI)	0.0	0.0	0.0	1.3E-04	0.0	0.0	0.0	0.0	
GI (ULI WALL)	0.0	0.0	0.0	0.0	2.4E-04	0.0	0.0	0.0	
GI (LLI WALL)	0.0	0.0	0.0	0.0	0.0	3.9E-04	0.0	0.0	
KIDNEYS	0.0	0.0	0.0	0.0	0.0	3.4E-04	0.0	0.0	
LIVER	0.0	0.0	0.0	0.0	0.0	0.0	5.8E-05	0.0	
LUNGS	0.0	0.0	0.0	0.0	0.0	0.0	1.0E-04	0.0	
MARROW (RED)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
OTH TISS (MUSC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7E-06	
OVARIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PANCREAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SKIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SPLEEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TESTES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
THYROID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
UTERUS (NONGRVD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL BODY	1.5E-06	1.7E-07	4.5E-07	1.2E-06	7.1E-07	1.5E-06	1.5E-06	1.5E-06	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 SULPHUR-35 HALF-LIFE 2.09E 03 HOURS
 (CONTINUED)

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID	TOTAL		
			R MARROW	CORT BONE TRA BONE							
ADRENALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
BLADDER WALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
BONE (TOTAL)	0.0	0.0	1.2E-06	2.1E-05	1.9E-05	0.0	0.0	0.0	0.0	0.0	1.5E-06
GI (STOM WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
GI (SI)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
GI (ULI WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
GI (ILI WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
KIDNEYS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
LIVER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
LUNGS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
MARROW (RED)	0.0	0.0	6.5E-05	4.7E-08	6.0E-06	0.0	0.0	0.0	0.0	0.0	1.5E-06
OTH TISS (MUSC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
OVARIES	9.5E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
PANCREAS	0.0	1.0E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
SKIN	0.0	0.0	0.0	0.0	0.0	4.0E-05	0.0	0.0	0.0	0.0	1.5E-06
SPLEEN	0.0	0.0	0.0	0.0	0.0	0.0	5.8E-04	0.0	0.0	0.0	1.5E-06
TESTES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0E-03	0.0	0.0	1.5E-06
THYROID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2E-03	0.0	1.5E-06
UTERUS (NONGRVD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-06
TOTAL BODY	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 ARGON-37 HALF-LIFE 835. HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	3.9E-04	4.1E-29	6.6E-15	3.3E-18	8.8E-19	3.0E-21	7.2E-10	3.8E-10	1.9E-10	6.1E-10
BLADDER WALL	1.0E-28	1.2E-05	2.5E-22	6.5E-14	5.1E-14	2.1E-11	7.0E-23	8.8E-23	5.4E-32	3.1E-11
BONE (TOTAL)	6.7E-11	3.9E-15	5.9E-12	3.3E-11	2.5E-11	6.6E-12	3.4E-11	8.9E-12	4.2E-12	5.9E-11
GI (STOM WALL)	2.1E-14	4.3E-22	9.9E-06	8.7E-11	3.2E-10	1.9E-12	2.1E-13	5.9E-11	8.2E-11	6.1E-12
GI (SI)	3.3E-18	2.3E-14	3.1E-11	6.3E-06	8.4E-10	3.7E-10	1.0E-12	2.5E-11	2.5E-21	1.1E-10
GI (ULI WALL)	1.8E-18	2.6E-14	1.2E-10	6.9E-08	1.1E-05	1.6E-09	1.1E-13	2.9E-11	3.9E-21	6.7E-10
GI (LLI WALL)	3.1E-21	5.2E-11	2.6E-13	4.3E-09	3.8E-10	1.8E-05	1.3E-15	4.2E-21	9.6E-24	1.0E-11
KIDNEYS	6.5E-10	2.3E-23	5.9E-14	7.6E-13	4.9E-14	6.5E-16	1.8E-05	1.3E-10	9.8E-15	2.2E-10
LIVER	4.2E-11	4.0E-23	3.3E-11	1.2E-11	2.4E-11	4.5E-21	6.8E-11	3.1E-06	1.1E-11	9.4E-11
LUNGS	4.9E-11	6.5E-33	2.7E-11	6.8E-22	6.1E-22	4.0E-21	5.5E-12	1.2E-11	5.5E-06	6.0E-10
NARROW (RED)	1.0E-10	4.3E-12	6.1E-12	1.4E-10	1.1E-10	2.8E-11	9.2E-11	9.2E-12	4.3E-12	3.1E-10
OTH TISS (MUSC)	6.1E-10	3.1E-11	6.1E-12	1.1E-10	1.1E-11	1.0E-11	2.2E-10	9.4E-11	6.0E-10	1.9E-07
OVARIES	3.0E-24	9.5E-13	3.0E-18	2.1E-09	3.1E-09	6.3E-09	5.6E-18	1.5E-18	8.0E-28	6.3E-10
PANCREAS	4.6E-12	5.6E-26	1.3E-09	4.0E-15	3.5E-15	2.6E-18	3.6E-12	2.3E-10	1.3E-12	3.7E-10
SKIN	1.0E-11	4.1E-12	2.1E-12	8.1E-12	1.3E-13	1.2E-11	2.5E-11	8.8E-12	7.2E-12	6.1E-10
SPLEEN	6.4E-11	4.0E-26	1.7E-11	3.2E-14	8.8E-15	2.3E-16	9.5E-10	1.1E-16	1.0E-10	1.8E-10
TESTES	1.1E-36	2.7E-13	5.2E-30	4.2E-22	1.9E-21	7.2E-14	6.7E-31	3.3E-30	1.3E-39	7.6E-12
THYROID	3.2E-30	9.5E-29	8.7E-30	6.6E-39	8.1E-39	1.6E-41	1.2E-33	2.0E-28	6.2E-16	5.1E-10
UTERUS (NONGRVD)	3.0E-25	5.9E-10	1.2E-19	2.1E-10	6.5E-13	7.8E-13	2.2E-19	2.7E-20	5.8E-29	3.1E-09
TOTAL BODY	7.9E-08	1.6E-08	2.9E-08	6.5E-08	4.2E-08	5.0E-08	7.9E-08	7.9E-08	7.9E-08	7.9E-08

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37A

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 ARGON-37 HALF-LIFE 835. HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	3.0E-24	4.6E-12	9.0E-11	6.2E-11	6.2E-11	1.6E-11	1.7E-11	1.1E-11	1.1E-36	3.2E-31	7.9E-08
BLADDER WALL	2.7E-12	1.4E-25	1.4E-14	3.5E-15	3.5E-15	3.3E-11	1.0E-25	7.7E-13	7.7E-13	1.3E-28	7.8E-08
BONE (TOTAL)	4.1E-12	5.8E-12	1.2E-08	1.0E-06	1.0E-06	2.8E-10	1.0E-12	1.1E-14	1.1E-14	2.7E-13	7.7E-08
GI (STOM WALL)	1.2E-17	3.5E-10	2.3E-11	2.2E-11	2.2E-11	4.2E-11	1.3E-10	2.1E-29	2.1E-29	3.2E-29	7.9E-08
GI (SI)	4.4E-10	4.0E-15	4.9E-11	2.3E-11	2.3E-11	9.9E-12	2.7E-14	4.1E-22	4.1E-22	7.0E-39	7.9E-08
GI (ULI WALL)	1.4E-09	5.9E-15	1.0E-10	3.2E-11	3.2E-11	1.9E-11	1.8E-14	2.1E-21	2.1E-21	1.4E-38	7.9E-08
GI (LLI WALL)	1.5E-09	2.2E-18	2.3E-10	9.9E-11	9.9E-11	8.8E-12	2.8E-16	2.0E-13	2.0E-13	1.3E-41	7.9E-08
KIDNEYS	5.7E-18	3.5E-12	3.8E-11	4.6E-11	4.6E-11	2.8E-11	1.1E-09	7.2E-31	7.2E-31	1.4E-33	7.9E-08
LIVER	1.6E-18	2.4E-11	1.3E-11	1.9E-11	1.9E-11	7.3E-12	1.1E-16	3.9E-30	3.9E-30	1.9E-28	7.9E-08
LUNGS	7.8E-30	4.2E-13	2.4E-11	2.6E-11	2.6E-11	1.2E-11	1.0E-10	3.4E-40	3.4E-40	2.3E-17	7.8E-08
MARROW (RED)	1.7E-11	1.2E-11	3.6E-06	1.5E-08	2.7E-08	2.5E-10	1.1E-12	5.0E-13	5.0E-13	4.1E-13	7.9E-08
OTH TISS (MUSC)	6.3E-10	3.7E-10	8.1E-11	5.9E-11	5.9E-11	6.1E-10	1.8E-10	7.6E-12	7.6E-12	5.1E-10	7.9E-08
OVARIES	5.1E-04	8.1E-22	1.3E-11	3.2E-12	3.2E-12	1.3E-15	1.5E-20	0.0	0.0	3.6E-27	7.9E-08
PANCREAS	7.3E-22	5.9E-05	7.1E-12	6.0E-11	6.0E-11	2.2E-12	2.4E-10	1.5E-33	1.5E-33	1.9E-30	7.9E-08
SKIN	1.3E-15	1.1E-12	7.6E-11	7.6E-11	7.6E-11	2.1E-06	1.2E-12	2.3E-10	2.3E-10	7.8E-11	7.8E-08
SPLEEN	1.6E-20	2.2E-10	2.4E-11	1.0E-10	1.0E-10	2.6E-11	3.1E-05	2.0E-33	2.0E-33	1.0E-30	7.9E-08
TESTES	0.0	1.5E-33	3.8E-13	2.8E-15	2.8E-15	1.3E-10	1.9E-33	1.6E-04	1.6E-04	3.8E-32	7.9E-08
THYROID	3.5E-27	1.8E-30	1.6E-11	2.0E-11	2.0E-11	1.9E-10	9.6E-31	3.8E-32	3.8E-32	2.7E-04	7.9E-08
UTERUS (NONGRVD)	2.8E-10	2.5E-22	9.8E-14	1.4E-14	1.4E-14	7.9E-12	1.2E-22	0.0	0.0	9.2E-28	7.9E-08
TOTAL BODY	7.9E-08	7.9E-08	7.9E-08	7.9E-08	7.9E-08	7.8E-08	7.9E-08	7.9E-08	7.9E-08	7.9E-08	7.9E-08

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 POTASSIUM-40 HALF-LIFE 1.11E13 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	7.6E-02	2.7E-07	3.6E-06	1.2E-06	1.1E-06	5.0E-07	1.2E-05	4.4E-06	2.0E-06	1.5E-06
BLADDER WALL	2.7E-07	2.7E-03	4.8E-07	3.3E-06	1.6E-06	6.4E-06	4.7E-07	2.7E-07	1.1E-07	1.8E-06
BONE (TOTAL)	1.3E-06	5.5E-07	5.8E-07	7.6E-07	6.9E-07	9.8E-07	9.6E-07	7.3E-07	9.3E-07	1.1E-06
GI (STOM WALL)	2.7E-06	4.3E-07	2.2E-03	3.5E-06	3.1E-06	1.5E-06	2.8E-06	1.9E-06	2.0E-06	1.4E-06
GI (SI)	1.1E-06	2.6E-06	2.4E-06	1.4E-03	1.5E-05	8.5E-06	2.9E-06	1.6E-06	3.4E-07	1.5E-06
GI (ULI WALL)	9.5E-07	2.0E-06	3.7E-06	2.2E-05	2.5E-03	4.3E-06	3.0E-06	2.1E-06	4.6E-07	1.6E-06
GI (LLI WALL)	4.0E-07	6.9E-06	1.5E-06	6.6E-06	2.8E-06	4.0E-03	1.1E-06	3.9E-07	7.1E-08	1.7E-06
KIDNEYS	1.0E-05	5.3E-07	3.2E-06	2.8E-06	2.8E-06	9.6E-07	3.5E-03	3.7E-06	1.2E-06	1.4E-06
LIVER	4.7E-06	3.1E-07	2.0E-06	1.8E-06	2.5E-06	4.8E-07	3.7E-06	6.1E-04	2.3E-06	1.1E-06
LUNGS	2.4E-06	9.8E-08	1.8E-06	3.5E-07	4.6E-07	1.8E-07	9.6E-07	2.5E-06	1.1E-03	1.3E-06
MARROW (RED)	2.3E-06	1.1E-06	9.4E-07	2.3E-06	2.0E-06	2.8E-06	2.4E-06	1.0E-06	1.2E-06	1.3E-06
OTH TISS (MUSC)	1.5E-06	1.8E-06	1.4E-06	1.5E-06	1.5E-06	1.7E-06	1.4E-06	1.1E-06	1.3E-06	3.9E-05
OVARIES	1.2E-07	7.2E-06	1.0E-06	7.7E-06	6.1E-06	1.6E-05	1.3E-06	1.1E-06	1.9E-07	1.9E-06
PANCREAS	8.4E-06	2.6E-07	1.6E-05	1.7E-06	2.0E-06	6.5E-07	6.4E-06	3.9E-06	2.4E-06	1.8E-06
SKIN	7.8E-07	7.2E-07	6.3E-07	6.3E-07	6.0E-07	7.1E-07	6.9E-07	6.5E-07	7.2E-07	9.6E-07
SPLEEN	5.5E-06	2.1E-07	9.1E-06	1.7E-06	1.5E-06	9.9E-07	7.8E-06	9.7E-07	1.8E-06	1.5E-06
TESTES	1.0E-07	4.2E-06	1.9E-07	6.2E-07	4.3E-07	1.6E-06	1.9E-07	1.6E-07	4.5E-08	1.3E-06
THYROID	2.7E-07	2.3E-08	1.9E-07	6.7E-08	7.0E-08	3.6E-08	1.3E-07	2.2E-07	9.3E-07	1.4E-06
UTERUS (NONGRVD)	4.8E-07	1.3E-05	1.1E-06	7.9E-06	5.0E-06	5.7E-06	1.2E-06	6.5E-07	2.9E-07	1.8E-06
TOTAL BODY	1.7E-05	3.5E-06	6.3E-06	1.4E-05	9.1E-06	1.1E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05

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40K

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 POTASSIUM-40 HALF-LIFE 1.11E 13 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	BONE				
								R MARROW	CORT	TRA		
ADRENALS	5.6E-07	7.8E-06	2.2E-06	2.1E-06	2.1E-06	9.1E-07	6.4E-06	1.0E-07	2.4E-07	2.4E-07	1.8E-05	1.8E-05
BLADDER WALL	6.6E-06	3.1E-07	1.2E-06	7.9E-07	7.9E-07	8.6E-07	3.0E-07	4.5E-06	2.3E-08	2.3E-08	1.7E-05	1.7E-05
BONE (TOTAL)	8.7E-07	9.0E-07	6.1E-05	2.2E-04	1.3E-04	8.8E-07	7.6E-07	6.5E-07	7.5E-07	7.5E-07	1.7E-05	1.7E-05
GI (STOM WALL)	1.0E-06	1.6E-05	1.1E-06	6.1E-07	6.1E-07	6.6E-07	1.0E-05	1.3E-07	2.0E-07	2.0E-07	1.6E-05	1.6E-05
GI (SI)	1.1E-05	1.8E-06	2.4E-06	7.7E-07	7.7E-07	6.2E-07	1.5E-06	5.7E-07	6.0E-08	6.0E-08	1.7E-05	1.7E-05
GI (ULI WALL)	1.0E-05	2.2E-06	1.9E-06	7.6E-07	7.6E-07	5.8E-07	1.5E-06	3.8E-07	7.2E-08	7.2E-08	1.7E-05	1.7E-05
GI (LLI WALL)	1.3E-05	7.4E-07	2.8E-06	9.9E-07	9.9E-07	6.2E-07	6.8E-07	2.5E-06	3.1E-08	3.1E-08	1.7E-05	1.7E-05
KIDNEYS	1.1E-06	5.9E-06	2.6E-06	1.0E-06	1.0E-06	7.7E-07	8.2E-06	1.8E-07	1.9E-07	1.9E-07	1.7E-05	1.7E-05
LIVER	6.9E-07	3.9E-06	1.1E-06	7.4E-07	7.4E-07	7.1E-07	1.1E-06	1.3E-07	2.3E-07	2.3E-07	1.7E-05	1.7E-05
LUNGS	1.8E-07	2.2E-06	1.3E-06	9.8E-07	9.8E-07	7.5E-07	2.0E-06	5.0E-08	1.1E-06	1.1E-06	1.6E-05	1.6E-05
MARROW (RED)	2.8E-06	1.7E-06	4.9E-04	1.4E-05	3.0E-04	8.4E-07	1.1E-06	4.9E-07	8.2E-07	8.2E-07	1.7E-05	1.7E-05
OTH TISS (MUSC)	1.9E-06	1.8E-06	1.3E-06	1.1E-06	1.1E-06	9.6E-07	1.5E-06	1.3E-06	1.4E-06	1.4E-06	1.7E-05	1.7E-05
OVARIES	9.7E-02	7.9E-07	3.6E-06	9.1E-07	9.1E-07	5.7E-07	6.9E-07	0.0	3.7E-08	3.7E-08	1.7E-05	1.7E-05
PANCREAS	6.0E-07	1.1E-02	1.3E-06	1.2E-06	1.2E-06	5.7E-07	1.7E-05	1.4E-07	4.5E-07	4.5E-07	1.7E-05	1.7E-05
SKIN	5.7E-07	5.7E-07	8.1E-07	9.2E-07	9.2E-07	4.1E-04	6.6E-07	1.6E-06	9.6E-07	9.6E-07	1.6E-05	1.6E-05
SPLEEN	5.3E-07	1.7E-05	9.6E-07	6.7E-07	6.7E-07	6.2E-07	6.0E-03	6E-08	2.0E-07	2.0E-07	1.7E-05	1.7E-05
TESTES	0.0	1.4E-07	1.9E-07	7.6E-07	7.6E-07	9.8E-07	1.3E-07	3.1E-02	1.1E-08	1.1E-08	1.7E-05	1.7E-05
THYROID	3.7E-08	2.1E-07	7.0E-07	1.2E-06	1.2E-06	7.5E-07	1.9E-07	1.1E-08	5.3E-02	5.3E-02	1.6E-05	1.6E-05
UTERUS (NONGRVD)	1.6E-05	6.0E-07	1.8E-06	6.7E-07	6.7E-07	6.9E-07	2.4E-07	0.0	3.6E-08	3.6E-08	1.7E-05	1.7E-05
TOTAL BODY	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.6E-05	1.7E-05	1.7E-05	1.6E-05	1.6E-05	1.7E-05	1.7E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 POTASSIUM-42 HALF-LIFE 12.4 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	2.2E-01	4.9E-07	6.6E-06	2.2E-06	2.0E-06	9.2E-07	2.1E-05	8.0E-06	3.4E-06	2.8E-06
BLADDER WALL	5.0E-07	7.7E-03	8.5E-07	6.2E-06	2.9E-06	1.2E-05	8.5E-07	5.0E-07	1.9E-07	3.2E-06
BONE (TOTAL)	2.3E-06	1.0E-06	1.0E-06	1.4E-06	1.2E-06	1.8E-06	1.7E-06	1.3E-06	1.7E-06	2.1E-06
GI (STOM WALL)	4.7E-06	7.8E-07	6.2E-03	6.3E-06	5.6E-06	2.8E-06	5.0E-06	3.5E-06	3.6E-06	2.6E-06
GI (SI)	2.0E-06	4.8E-06	4.3E-06	3.9E-03	2.7E-05	1.5E-05	5.2E-06	3.0E-06	6.1E-07	2.8E-06
GI (ULI WALL)	1.7E-06	3.6E-06	6.7E-06	3.9E-05	7.0E-03	7.9E-06	5.4E-06	3.8E-06	8.5E-07	2.9E-06
GI (LLI WALL)	7.6E-07	1.3E-05	2.6E-06	1.2E-05	5.0E-06	1.1E-02	2.0E-06	7.2E-07	1.3E-07	3.0E-06
KIDNEYS	1.8E-05	9.8E-07	5.7E-06	5.1E-06	5.0E-06	1.8E-06	1.0E-02	6.7E-06	2.1E-06	2.6E-06
LIVER	8.5E-06	5.7E-07	3.6E-06	3.3E-06	4.5E-06	8.7E-07	6.7E-06	1.7E-03	4.2E-06	2.0E-06
LUNGS	4.3E-06	1.8E-07	3.2E-06	6.3E-07	8.3E-07	3.3E-07	1.7E-06	4.5E-06	3.1E-03	2.4E-06
MARROW (RED)	4.1E-06	2.0E-06	1.7E-06	4.1E-06	3.5E-06	5.1E-06	4.3E-06	1.9E-06	2.2E-06	2.3E-06
OTH TISS (MUSC)	2.8E-06	3.2E-06	2.6E-06	2.8E-06	2.7E-06	3.0E-06	2.6E-06	2.0E-06	2.4E-06	1.1E-04
OVARIES	2.0E-07	1.3E-05	1.8E-06	1.4E-05	1.1E-05	2.9E-05	2.2E-06	2.0E-06	3.4E-07	3.5E-06
PANCREAS	1.5E-05	4.9E-07	3.0E-05	3.0E-06	3.7E-06	1.2E-06	1.1E-05	7.0E-06	4.4E-06	3.2E-06
SKIN	1.4E-06	1.3E-06	1.2E-06	1.1E-06	1.1E-06	1.3E-06	1.2E-06	1.2E-06	1.3E-06	1.7E-06
SPLEEN	9.9E-06	3.9E-07	1.6E-05	3.1E-06	2.7E-06	1.8E-06	1.4E-05	1.7E-06	3.1E-06	2.7E-06
TESTES	1.9E-07	7.6E-06	3.5E-07	1.1E-06	7.8E-07	2.9E-06	3.5E-07	2.8E-07	8.4E-08	2.3E-06
THYROID	4.9E-07	4.3E-08	3.5E-07	1.2E-07	1.3E-07	6.7E-08	2.4E-07	4.0E-07	1.6E-06	2.5E-06
UTERUS (NONGRVD)	8.5E-07	2.3E-05	1.9E-06	1.4E-05	9.1E-06	1.0E-05	2.1E-06	1.2E-06	5.3E-07	3.2E-06
TOTAL BODY	4.7E-05	8.2E-06	1.6E-05	3.8E-05	2.4E-05	2.9E-05	4.7E-05	4.7E-05	4.6E-05	4.6E-05

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42K

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 POTASSIUM-42 HALF-LIFE 12.4 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY	
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	1.0E-06	1.4E-05	3.8E-06	3.7E-06	3.7E-06	1.7E-06	1.1E-05	1.9E-07	4.3E-07	4.9E-05	
BLADDER WALL	1.2E-05	6.1E-07	2.1E-06	1.5E-06	1.5E-06	1.6E-06	5.2E-07	8.1E-06	4.3E-08	4.7E-05	
BONE (TOTAL)	1.6E-06	1.6E-06	1.8E-04	6.2E-04	3.5E-04	1.6E-06	1.4E-06	1.2E-06	1.4E-06	4.6E-05	
GI (STOM WALL)	1.9E-06	2.9E-05	2.0E-06	1.1E-06	1.1E-06	1.2E-06	1.8E-05	2.4E-07	3.7E-07	4.6E-05	
GI (SI)	2.0E-05	3.3E-06	4.4E-06	1.4E-06	1.4E-06	1.1E-06	2.7E-06	1.0E-06	1.1E-07	4.7E-05	
GI (ULI WALL)	1.9E-05	3.9E-06	3.4E-06	1.4E-06	1.4E-06	1.0E-06	2.7E-06	7.1E-07	1.3E-07	4.7E-05	
GI (LLI WALL)	2.4E-05	1.3E-06	5.1E-06	1.8E-06	1.8E-06	1.1E-06	1.2E-06	4.7E-06	5.8E-08	4.7E-05	
KIDNEYS	2.0E-06	1.1E-05	4.7E-06	1.8E-06	1.8E-06	1.4E-06	1.5E-05	3.3E-07	3.4E-07	4.6E-05	
LIVER	1.3E-06	7.1E-06	2.0E-06	1.4E-06	1.4E-06	1.3E-06	2.0E-06	2.4E-07	4.3E-07	4.7E-05	
LUNGS	3.3E-07	4.0E-06	2.3E-06	1.8E-06	1.8E-06	1.4E-06	3.6E-06	9.2E-08	2.0E-06	4.6E-05	
MARROW (RED)	5.0E-06	3.0E-06	1.3E-03	5.5E-05	8.8E-04	1.5E-06	2.0E-06	8.9E-07	1.5E-06	4.6E-05	
OTH TISS (MUSC)	3.5E-06	3.2E-06	2.4E-06	2.1E-06	2.1E-06	1.7E-06	2.7E-06	2.3E-06	2.5E-06	4.6E-05	
OVARIES	2.8E-01	1.4E-06	6.6E-06	1.6E-06	1.6E-06	1.0E-06	1.2E-06	0.0	6.9E-08	4.7E-05	
PANCREAS	1.0E-06	3.1E-02	2.3E-06	2.2E-06	2.2E-06	1.0E-06	3.0E-05	2.7E-07	8.5E-07	4.7E-05	
SKIN	1.0E-06	1.0E-06	1.5E-06	1.7E-06	1.7E-06	1.2E-03	1.2E-06	3.0E-06	1.7E-06	4.5E-05	
SPLEEN	9.7E-07	3.1E-05	1.7E-06	1.2E-06	1.2E-06	1.1E-06	1.7E-02	1.5E-07	3.6E-07	4.6E-05	
TESTES	0.0	2.6E-07	3.4E-07	1.4E-06	1.4E-06	1.8E-06	2.4E-07	8.8E-02	2.1E-08	4.6E-05	
THYROID	6.9E-08	4.2E-07	1.2E-06	2.1E-06	2.1E-06	1.4E-06	3.4E-07	2.1E-08	1.5E-01	4.6E-05	
UTERUS (NONGRVD)	2.8E-05	1.1E-06	3.2E-06	1.2E-06	1.2E-06	1.2E-06	4.0E-07	0.0	6.6E-08	4.7E-05	
TOTAL BODY	4.7E-05	4.7E-05	4.6E-05	4.6E-05	4.6E-05	4.5E-05	4.7E-05	4.6E-05	4.6E-05	4.6E-05	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 POTASSIUM-43 HALF-LIFE 22.4 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	5.3E-02	1.6E-06	1.5E-05	8.8E-06	7.0E-06	3.3E-06	3.3E-05	1.7E-05	1.0E-05
BLADDER WALL	9.2E-07	2.2E-03	2.9E-06	2.1E-05	1.4E-05	3.9E-05	1.9E-06	5.0E-07	1.2E-05
BONE (TOTAL)	9.5E-06	4.2E-06	4.2E-06	5.6E-06	5.1E-06	7.3E-06	5.2E-06	7.0E-06	7.5E-06
GI (STOM WALL)	2.0E-05	2.4E-06	1.7E-03	2.3E-05	2.5E-05	1.2E-05	1.3E-05	1.3E-05	9.5E-06
GI (SI)	6.4E-06	1.8E-05	1.8E-05	1.1E-03	1.1E-04	6.1E-05	1.1E-05	1.8E-06	1.1E-05
GI (ULI WALL)	7.1E-06	1.6E-05	2.2E-05	1.5E-04	1.9E-03	2.8E-05	1.7E-05	2.5E-06	1.1E-05
GI (LLI WALL)	2.1E-06	4.7E-05	8.8E-06	4.6E-05	2.1E-05	2.9E-03	2.0E-06	6.0E-07	1.1E-05
KIDNEYS	7.8E-05	2.5E-06	2.3E-05	2.1E-05	1.9E-05	5.9E-06	2.5E-05	6.8E-06	9.7E-06
LIVER	3.3E-05	1.9E-06	1.4E-05	1.2E-05	1.7E-05	2.3E-06	5.6E-04	1.6E-05	7.6E-06
LUNGS	1.6E-05	3.4E-07	1.2E-05	2.2E-06	2.3E-06	7.5E-07	1.6E-05	7.9E-04	9.0E-06
MARROW (RED)	1.7E-05	9.0E-06	7.4E-06	1.8E-05	1.5E-05	2.2E-05	7.5E-06	8.8E-06	9.5E-06
OTH TISS (MUSC)	1.0E-05	1.2E-05	9.5E-06	1.1E-05	1.0E-05	1.1E-05	7.6E-06	9.0E-06	3.5E-05
OVARIES	3.8E-06	4.2E-05	4.5E-06	6.3E-05	7.9E-05	1.1E-04	2.3E-06	1.0E-06	1.3E-05
PANCREAS	5.7E-05	1.9E-06	1.2E-04	1.4E-05	1.3E-05	5.0E-06	3.1E-05	1.8E-05	1.2E-05
SKIN	4.6E-06	4.4E-06	3.9E-06	3.6E-06	3.7E-06	4.0E-06	4.0E-06	4.5E-06	6.1E-06
SPLEEN	4.4E-05	1.5E-06	6.5E-05	1.1E-05	8.7E-06	6.3E-06	6.9E-06	1.5E-05	1.0E-05
TESTES	4.8E-07	3.4E-05	3.8E-07	2.7E-06	3.3E-06	1.3E-05	9.1E-07	1.7E-07	8.3E-06
THYROID	1.3E-06	6.6E-08	1.0E-06	2.7E-07	2.9E-07	1.2E-07	1.3E-06	8.0E-06	9.3E-06
UTERUS (NONGRVD)	5.3E-06	1.0E-04	6.1E-06	5.9E-05	3.1E-05	4.0E-05	2.9E-06	6.9E-07	1.4E-05
TOTAL BODY	2.1E-05	1.4E-05	1.5E-05	2.1E-05	1.8E-05	1.9E-05	2.1E-05	2.0E-05	2.0E-05

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43K

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)

POTASSIUM-43 HALF-LIFE 22.4 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	3.8E-06	5.5E-05	1.4E-05	1.1E-05	1.1E-05	4.9E-06	4.3E-05	4.8E-07	1.3E-06	2.4E-05	
BLADDER WALL	4.6E-05	1.2E-06	5.2E-06	4.0E-06	4.0E-06	4.3E-06	1.2E-06	3.4E-05	6.6E-08	2.2E-05	
BONE (TOTAL)	6.5E-06	6.5E-06	5.1E-05	1.6E-04	1.1E-04	5.8E-06	5.4E-06	4.6E-06	5.2E-06	2.0E-05	
GI (STOM WALL)	5.6E-06	1.2E-04	7.1E-06	3.9E-06	3.9E-06	4.3E-06	6.5E-05	6.8E-07	7.8E-07	2.2E-05	
GI (SI)	7.9E-05	1.2E-05	1.8E-05	5.5E-06	5.5E-06	3.7E-06	9.5E-06	3.5E-06	9.9E-08	2.3E-05	
GI (ULI WALL)	7.5E-05	1.5E-05	1.4E-05	4.9E-06	4.9E-06	3.9E-06	9.3E-06	2.4E-06	1.1E-07	2.3E-05	
GI (ILI WALL)	9.5E-05	3.7E-06	2.1E-05	6.7E-06	6.7E-06	4.1E-06	4.6E-06	1.9E-05	1.0E-07	2.3E-05	
KIDNEYS	7.5E-06	4.2E-05	1.6E-05	6.5E-06	6.5E-06	5.0E-06	5.8E-05	7.0E-07	4.1E-07	2.2E-05	
LIVER	4.2E-06	2.8E-05	6.9E-06	4.8E-06	4.8E-06	4.5E-06	7.2E-06	4.0E-07	1.1E-06	2.2E-05	
LUNGS	7.7E-07	1.6E-05	8.2E-06	6.7E-06	6.7E-06	4.6E-06	1.5E-05	1.1E-07	7.2E-06	2.0E-05	
MARROW (RED)	2.2E-05	1.2E-05	3.9E-04	2.6E-05	2.0E-04	5.4E-06	8.0E-06	3.7E-06	5.7E-06	2.1E-05	
OTH TISS (MUSC)	1.3E-05	1.2E-05	8.8E-06	7.5E-06	7.5E-06	6.1E-06	1.0E-05	8.3E-06	9.3E-06	2.0E-05	
OVARIES	6.8E-02	3.2E-06	2.2E-05	6.8E-06	6.8E-06	2.7E-06	6.1E-06	0.0	1.2E-07	2.1E-05	
PANCREAS	4.1E-06	8.4E-03	1.1E-05	6.5E-06	6.5E-06	3.9E-06	1.3E-04	3.9E-07	5.1E-07	2.2E-05	
SKIN	3.6E-06	3.4E-06	5.0E-06	5.8E-06	5.8E-06	2.8E-04	4.2E-06	1.1E-05	5.9E-06	1.6E-05	
SPLEEN	4.5E-06	1.3E-04	5.9E-06	5.6E-06	5.6E-06	4.6E-06	4.7E-03	6.8E-07	9.6E-07	2.2E-05	
TESTES	0.0	5.2E-07	2.8E-06	4.1E-06	4.1E-06	6.1E-06	6.4E-07	2.2E-02	2.5E-08	2.2E-05	
THYROID	1.2E-07	1.1E-06	6.0E-06	6.7E-06	6.7E-06	5.5E-06	1.0E-06	2.5E-08	3.8E-02	2.0E-05	
UTERUS (NONGRVD)	1.2E-04	4.3E-06	1.3E-05	4.4E-06	4.4E-06	3.9E-06	3.3E-06	0.0	1.2E-07	2.3E-05	
TOTAL BODY	2.3E-05	2.3E-05	2.1E-05	2.0E-05	2.0E-05	1.6E-05	2.1E-05	2.0E-05	1.9E-05	2.0E-05	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 CALCIUM-45 HALF-LIFE 3.91E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	1.2E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BLADDER WALL	0.0	4.1E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BONE (TOTAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GI (STOM WALL)	0.0	0.0	3.3E-04	0.0	0.0	0.0	0.0	0.0	0.0
GI (SI)	0.0	0.0	0.0	2.1E-04	0.0	0.0	0.0	0.0	0.0
GI (ULI WALL)	0.0	0.0	0.0	0.0	3.7E-04	0.0	0.0	0.0	0.0
GI (LLI WALL)	0.0	0.0	0.0	0.0	0.0	6.1E-04	0.0	0.0	0.0
KIDNEYS	0.0	0.0	0.0	0.0	0.0	5.3E-04	0.0	0.0	0.0
LIVER	0.0	0.0	0.0	0.0	0.0	0.0	9.1E-05	0.0	0.0
LUNGS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6E-04	0.0
MARROW (RED)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTH TISS (MUSC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9E-06
OVARIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PANCREAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SKIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPLEEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TESTES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THYROID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UTERUS (NONGRVD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL BODY	2.4E-06	2.6E-07	7.1E-07	1.9E-06	1.1E-06	1.4E-06	2.4E-06	2.4E-06	2.4E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 CALCIUM-45 HALF-LIFE 3.91E 03 HOURS (CONTINUED)

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID	TOTAL		
			R MARROW	CORT BONE TRA BONE							
ADRENALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4E-06
BLADDER WALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4E-06
BONE (TOTAL)	0.0	0.0	3.7E-06	3.3E-05	2.7E-05	0.0	0.0	0.0	0.0	0.0	2.4E-06
GI (STOM WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4E-06
GI (SI)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4E-06
GI (ULI WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4E-06
GI (LLI WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4E-06
KIDNEYS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4E-06
LIVER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4E-06
LUNGS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4E-06
MARROW (RED)	0.0	0.0	9.7E-05	1.4E-07	1.9E-05	0.0	0.0	0.0	0.0	0.0	2.4E-06
OTH TISS (MUSC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4E-06
OVARIES	1.5E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4E-06
PANCREAS	0.0	1.6E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4E-06
SKIN	0.0	0.0	0.0	0.0	6.3E-05	0.0	0.0	0.0	0.0	0.0	2.4E-06
SPLEEN	0.0	0.0	0.0	0.0	0.0	0.0	9.1E-04	0.0	0.0	0.0	2.4E-06
TESTES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7E-03	0.0	0.0	2.4E-06
THYROID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2E-03	0.0	2.4E-06
UTERUS (NONGRVD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4E-06
TOTAL BODY	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
CALCIUM-47 HALF-LIFE 109. HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	5.5E-02	1.9E-06	2.1E-05	8.6E-06	8.5E-06	3.6E-06	3.3E-05	1.5E-05	1.1E-05
BLADDER WALL	1.9E-06	2.3E-03	3.5E-06	2.1E-05	1.3E-05	4.2E-05	1.7E-06	7.2E-07	1.3E-05
BONE (TOTAL)	9.5E-06	4.0E-06	4.2E-06	5.5E-06	5.0E-06	7.1E-06	5.2E-06	6.9E-06	8.2E-06
GI (STOM WALL)	2.0E-05	3.4E-06	1.8E-03	2.5E-05	2.4E-05	1.1E-05	1.4E-05	1.4E-05	1.0E-05
GI (SI)	7.5E-06	1.9E-05	1.8E-05	1.1E-03	1.1E-04	6.2E-05	1.2E-05	2.4E-06	1.1E-05
GI (ULI WALL)	7.4E-06	1.4E-05	2.5E-05	1.6E-04	2.0E-03	3.0E-05	1.6E-05	3.2E-06	1.2E-05
GI (LLI WALL)	2.5E-06	4.9E-05	1.0E-05	4.8E-05	2.2E-05	3.1E-03	2.5E-06	5.9E-07	1.2E-05
KIDNEYS	7.5E-05	3.3E-06	2.3E-05	2.1E-05	2.0E-05	6.8E-06	2.9E-03	7.8E-06	1.0E-05
LIVER	3.4E-05	2.2E-06	1.4E-05	1.3E-05	1.8E-05	3.2E-06	5.8E-04	1.7E-05	8.1E-06
LUNGS	1.7E-05	6.6E-07	1.3E-05	2.5E-06	3.2E-06	1.2E-06	1.8E-05	8.3E-04	9.5E-06
MARROW (RED)	1.7E-05	8.2E-06	6.9E-06	1.7E-05	1.4E-05	2.1E-05	1.7E-05	8.8E-06	9.2E-06
OTH TISS (MUSC)	1.1E-05	1.3E-05	1.0E-05	1.1E-05	1.1E-05	1.2E-05	1.0E-05	9.5E-06	3.7E-05
OVARIES	2.2E-06	4.4E-05	8.6E-06	6.3E-05	4.9E-05	1.2E-04	1.0E-05	1.3E-06	1.4E-05
PANCREAS	6.1E-05	2.0E-06	1.2E-04	1.3E-05	1.5E-05	5.0E-06	4.7E-05	1.7E-05	1.3E-05
SKIN	5.5E-06	5.2E-06	4.6E-06	4.4E-06	4.2E-06	4.9E-06	4.7E-06	5.2E-06	6.9E-06
SPLEEN	4.1E-05	1.7E-06	6.6E-05	1.2E-05	1.1E-05	7.4E-06	5.8E-05	1.4E-05	1.1E-05
TESTES	7.1E-07	3.2E-05	1.3E-06	4.2E-06	3.6E-06	1.1E-05	1.3E-06	3.0E-07	9.1E-06
THYROID	1.8E-06	1.5E-07	1.3E-06	4.4E-07	4.7E-07	2.3E-07	9.0E-07	8.2E-06	9.8E-06
UTERUS (NONGRVD)	3.6E-06	9.8E-05	7.4E-06	5.8E-05	3.5E-05	4.1E-05	7.4E-06	1.6E-06	1.5E-05
TOTAL BODY	2.2E-05	1.4E-05	1.6E-05	2.2E-05	1.9E-05	2.0E-05	2.3E-05	2.1E-05	2.1E-05

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(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
CALCIUM-47 HALF-LIFE 109. HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID	TOTAL		
			R NARROW	CORT BONE TRA BONE							
ADRENALS	4.1E-06	5.3E-05	1.8E-05	1.4E-05	6.3E-06	4.8E-05	7.1E-07	1.7E-06	2.9E-05	2.9E-05	
BLADDER WALL	4.9E-05	1.7E-06	8.4E-06	4.7E-06	6.0E-06	2.3E-06	3.5E-05	1.5E-07	2.4E-05	2.4E-05	
BONE (TOTAL)	6.3E-06	6.4E-06	5.4E-05	1.7E-04	6.3E-06	5.5E-06	4.7E-06	5.4E-06	2.1E-05	2.1E-05	
GI (STOM WALL)	6.6E-06	1.2E-04	8.4E-06	4.2E-06	4.8E-06	7.0E-05	8.0E-07	1.3E-06	2.1E-05	2.1E-05	
GI (SI)	7.9E-05	1.3E-05	1.8E-05	5.8E-06	4.5E-06	1.1E-05	4.0E-06	3.6E-07	2.4E-05	2.4E-05	
GI (ULI WALL)	7.5E-05	1.6E-05	1.4E-05	5.6E-06	4.5E-06	1.0E-05	2.8E-06	4.3E-07	2.3E-05	2.3E-05	
GI (LLI WALL)	9.4E-05	4.8E-06	2.1E-05	7.4E-06	4.7E-06	4.8E-06	1.8E-05	2.0E-07	2.4E-05	2.4E-05	
KIDNEYS	7.9E-06	4.3E-05	1.8E-05	8.0E-06	5.6E-06	5.9E-05	1.2E-06	1.1E-06	2.3E-05	2.3E-05	
LIVER	4.9E-06	2.8E-05	7.6E-06	5.3E-06	5.1E-06	7.9E-06	8.6E-07	1.6E-06	2.3E-05	2.3E-05	
LUNGS	1.2E-06	1.6E-05	9.1E-06	7.1E-06	5.3E-06	1.5E-05	2.9E-07	8.1E-06	2.0E-05	2.0E-05	
MARROW (RED)	2.0E-05	1.2E-05	3.9E-04	2.8E-05	5.9E-06	7.9E-06	3.6E-06	5.9E-06	2.2E-05	2.2E-05	
OTH TISS (MUSC)	1.4E-05	1.3E-05	9.5E-06	8.2E-06	6.9E-06	1.1E-05	9.1E-06	9.8E-06	2.1E-05	2.1E-05	
OVARIES	7.2E-02	6.3E-06	2.3E-05	6.8E-06	4.2E-06	4.7E-06	0.0	2.4E-07	2.3E-05	2.3E-05	
PANCREAS	5.3E-06	8.8E-03	8.9E-06	8.0E-06	3.9E-06	1.2E-04	9.0E-07	2.0E-06	2.2E-05	2.2E-05	
SKIN	4.1E-06	4.1E-06	5.7E-06	6.5E-06	3.0E-04	4.8E-06	1.2E-05	6.8E-06	1.8E-05	1.8E-05	
SPLEEN	4.2E-06	1.3E-04	7.2E-06	5.5E-06	5.0E-06	5.0E-03	5.4E-07	1.5E-06	2.2E-05	2.2E-05	
TESTES	0.0	9.7E-07	2.2E-06	5.2E-06	7.0E-06	9.1E-07	2.3E-02	6.7E-08	2.2E-05	2.2E-05	
THYROID	2.4E-07	1.0E-06	5.9E-06	6.6E-06	5.4E-06	1.3E-06	6.7E-08	4.0E-02	2.1E-05	2.1E-05	
UTERUS (NONGRVD)	1.2E-04	4.4E-06	1.2E-05	5.6E-06	5.2E-06	2.9E-06	0.0	2.3E-07	2.5E-05	2.5E-05	
TOTAL BODY	2.4E-05	2.4E-05	2.2E-05	2.1E-05	1.7E-05	2.3E-05	2.1E-05	2.0E-05	2.1E-05	2.1E-05	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
CALCIUM-49 HALF-LIFE 0.147 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				LLI CONTENTS
ADRENALS	1.4E-01	5.3E-06	4.2E-05	2.4E-05	2.4E-05	9.4E-06	1.9E-04	3.1E-05	2.7E-05
BLADDER WALL	6.8E-06	5.8E-03	8.5E-06	4.4E-05	3.7E-05	8.7E-05	1.1E-05	2.3E-06	3.1E-05
BONE (TOTAL)	2.3E-05	1.1E-05	1.1E-05	1.4E-05	1.3E-05	1.8E-05	1.7E-05	1.8E-05	2.0E-05
GI (STOM WALL)	4.4E-05	1.1E-05	4.6E-03	5.8E-05	5.9E-05	3.5E-05	6.0E-05	3.0E-05	2.5E-05
GI (SI)	1.9E-05	5.0E-05	4.6E-05	2.8E-03	2.5E-04	1.5E-04	4.9E-05	7.6E-06	2.7E-05
GI (ULI WALL)	2.0E-05	3.7E-05	5.5E-05	3.7E-04	4.9E-03	6.9E-05	4.5E-05	1.1E-05	2.9E-05
GI (LLI WALL)	8.3E-06	1.1E-04	2.2E-05	1.2E-04	4.6E-05	7.7E-03	1.8E-05	1.7E-06	3.0E-05
KIDNEYS	1.9E-04	8.9E-06	5.4E-05	4.8E-05	4.5E-05	2.0E-05	7.2E-03	1.8E-05	2.6E-05
LIVER	8.1E-05	7.4E-06	3.7E-05	3.3E-05	4.5E-05	8.1E-06	6.5E-05	4.1E-05	2.0E-05
LUNGS	4.1E-05	2.7E-06	3.1E-05	7.7E-06	8.0E-06	4.4E-06	1.9E-05	2.1E-03	2.3E-05
MARROW (RED)	4.2E-05	2.1E-05	1.8E-05	4.1E-05	3.5E-05	5.0E-05	4.2E-05	2.2E-05	2.3E-05
OTH TISS (MUSC)	2.7E-05	3.1E-05	2.5E-05	2.7E-05	2.6E-05	3.0E-05	2.6E-05	2.3E-05	9.3E-05
OVARIES	1.0E-05	1.0E-04	1.7E-05	1.7E-04	1.7E-04	2.7E-04	1.0E-05	3.9E-06	3.4E-05
PANCREAS	1.5E-04	7.1E-06	2.6E-04	3.7E-05	5.0E-05	1.3E-05	1.0E-04	4.0E-05	3.1E-05
SKIN	1.3E-05	1.3E-05	1.3E-05	1.1E-05	1.2E-05	1.3E-05	1.3E-05	1.3E-05	1.7E-05
SPLEEN	9.9E-05	4.9E-06	1.4E-04	2.8E-05	2.5E-05	1.8E-05	1.3E-04	3.9E-05	2.6E-05
TESTES	2.3E-06	8.7E-05	3.9E-06	1.1E-05	1.1E-05	3.2E-05	3.9E-06	1.1E-06	2.5E-05
THYROID	4.8E-06	6.5E-07	3.9E-06	1.6E-06	1.6E-06	9.3E-07	2.8E-06	1.9E-05	2.4E-05
UTERUS (NONGRVD)	6.9E-06	2.4E-04	2.3E-05	1.3E-04	8.6E-05	9.3E-05	2.1E-05	5.3E-06	4.4E-05
TOTAL BODY	5.6E-05	3.5E-05	3.9E-05	5.5E-05	4.6E-05	4.9E-05	5.6E-05	5.1E-05	5.2E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 CALCIUM-49 HALF-LIFE 0.147 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY	
			R	MARROW	CORT	BONE	TRA	BONE			
ADRENALS	1.0E-05	1.0E-04	4.5E-05	2.6E-05	2.6E-05	1.9E-05	1.0E-04	2.3E-06	4.8E-06	5.9E-05	
BLADDER WALL	1.1E-04	8.9E-06	2.0E-05	1.3E-05	1.3E-05	1.2E-05	6.3E-06	7.5E-05	6.5E-07	6.1E-05	
BONE (TOTAL)	1.6E-05	1.6E-05	1.4E-04	4.3E-04	2.7E-04	1.6E-05	1.4E-05	1.2E-05	1.4E-05	5.2E-05	
GI (STOM WALL)	2.1E-05	2.8E-04	1.8E-05	1.1E-05	1.1E-05	1.2E-05	1.6E-04	3.1E-06	3.1E-06	5.5E-05	
GI (SI)	1.9E-04	3.2E-05	4.4E-05	1.4E-05	1.4E-05	1.1E-05	2.5E-05	1.1E-05	1.3E-06	6.1E-05	
GI (ULI WALL)	1.7E-04	3.6E-05	3.8E-05	1.3E-05	1.3E-05	1.1E-05	2.5E-05	1.2E-05	2.1E-06	5.8E-05	
GI (LLI WALL)	2.4E-04	1.2E-05	5.1E-05	1.8E-05	1.8E-05	1.2E-05	1.3E-05	5.0E-05	8.2E-07	6.2E-05	
KIDNEYS	2.2E-05	1.0E-04	4.4E-05	1.6E-05	1.6E-05	1.4E-05	1.4E-04	4.0E-06	2.4E-06	5.5E-05	
LIVER	1.3E-05	6.7E-05	1.9E-05	1.5E-05	1.5E-05	1.3E-05	2.0E-05	2.7E-06	5.5E-06	5.7E-05	
LUNGS	4.4E-06	3.9E-05	2.1E-05	1.8E-05	1.8E-05	1.3E-05	3.8E-05	1.0E-06	2.2E-05	5.1E-05	
MARROW (RED)	4.7E-05	2.8E-05	9.3E-04	8.1E-05	8.1E-05	1.5E-05	2.0E-05	1.0E-05	1.5E-05	5.4E-05	
OTH TISS (MUSC)	3.4E-05	3.1E-05	2.3E-05	2.0E-05	2.0E-05	1.7E-05	2.6E-05	2.5E-05	2.4E-05	5.2E-05	
OVARIES	1.8E-01	1.4E-05	5.2E-05	1.6E-05	1.6E-05	1.1E-05	1.3E-06	0.0	9.6E-07	6.9E-05	
PANCREAS	1.3E-05	2.2E-02	2.4E-05	1.6E-05	1.6E-05	1.1E-05	2.8E-04	3.5E-06	4.6E-06	6.5E-05	
SKIN	1.0E-05	1.1E-05	1.4E-05	1.7E-05	1.7E-05	7.5E-04	1.2E-05	2.8E-05	1.7E-05	4.4E-05	
SPLEEN	1.5E-05	2.9E-04	2.1E-05	1.1E-05	1.1E-05	1.2E-05	1.2E-02	2.5E-06	3.9E-06	5.3E-05	
TESTES	0.0	3.0E-06	1.0E-05	1.9E-05	1.9E-05	2.1E-05	2.8E-06	5.9E-02	3.6E-07	5.6E-05	
THYROID	9.6E-07	4.6E-06	1.6E-05	8.1E-06	8.1E-06	1.6E-05	3.8E-06	3.6E-07	1.0E-01	5.7E-05	
UTERUS (NONGRVD)	2.9E-04	1.1E-05	2.6E-05	1.1E-05	1.1E-05	1.4E-05	1.4E-05	0.0	9.3E-07	6.5E-05	
TOTAL BODY	6.1E-05	6.0E-05	5.4E-05	5.2E-05	5.2E-05	4.4E-05	5.6E-05	5.2E-05	5.0E-05	5.2E-05	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
SCANDIUM-47 HALF-LIFE 81.6 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	2.5E-02	1.4E-07	2.3E-06	1.0E-06	7.9E-07	3.4E-07	9.0E-06	4.0E-06	2.2E-06	1.2E-06
BLADDER WALL	1.1E-07	9.2E-04	2.2E-07	2.2E-06	1.9E-06	5.9E-06	2.5E-07	1.4E-07	3.5E-08	1.5E-06
BONE (TOTAL)	1.6E-06	7.5E-07	7.3E-07	1.0E-06	9.2E-07	1.3E-06	1.2E-06	9.0E-07	1.2E-06	8.6E-07
GI (STON WALL)	2.5E-06	2.4E-07	7.3E-04	3.2E-06	3.2E-06	1.5E-06	3.0E-06	1.6E-06	1.6E-06	1.1E-06
GI (SI)	7.2E-07	2.6E-06	2.3E-06	4.6E-04	1.4E-05	8.0E-06	2.5E-06	1.4E-06	1.7E-07	1.3E-06
GI (ULI WALL)	8.0E-07	1.9E-06	3.0E-06	1.9E-05	8.2E-04	3.6E-06	2.5E-06	2.1E-06	2.0E-07	1.4E-06
GI (LLI WALL)	1.9E-07	6.3E-06	1.1E-06	6.1E-06	2.7E-06	1.3E-03	6.5E-07	2.0E-07	7.3E-08	1.4E-06
KIDNEYS	9.7E-06	2.3E-07	3.0E-06	2.7E-06	2.4E-06	7.7E-07	1.2E-03	3.4E-06	7.4E-07	1.2E-06
LIVER	4.2E-06	1.6E-07	1.7E-06	1.6E-06	2.2E-06	2.2E-07	3.3E-06	2.1E-04	2.1E-06	9.1E-07
LUNGS	2.1E-06	2.1E-08	1.5E-06	2.0E-07	2.3E-07	7.0E-08	7.3E-07	2.2E-06	3.6E-04	1.1E-06
MARROW (RED)	2.9E-06	1.8E-06	1.3E-06	3.4E-06	2.9E-06	4.0E-06	3.0E-06	1.3E-06	1.5E-06	1.6E-06
OTH TISS (MUSC)	1.2E-06	1.5E-06	1.2E-06	1.3E-06	1.3E-06	1.4E-06	1.2E-06	9.1E-07	1.1E-06	1.4E-05
OVARIES	5.2E-07	6.4E-06	4.1E-07	9.1E-06	9.9E-06	1.6E-05	1.0E-06	4.0E-07	8.9E-08	1.7E-06
PANCREAS	7.7E-06	2.2E-07	1.5E-05	1.8E-06	2.1E-06	6.3E-07	5.6E-06	3.5E-06	2.2E-06	1.5E-06
SKIN	4.6E-07	4.8E-07	3.9E-07	3.7E-07	3.7E-07	4.3E-07	4.7E-07	4.3E-07	4.7E-07	6.2E-07
SPLEEN	5.5E-06	4.4E-07	8.6E-06	1.3E-06	1.2E-06	6.8E-07	7.4E-06	8.0E-07	2.0E-06	1.2E-06
TESTES	3.1E-08	4.0E-06	4.8E-08	2.8E-07	2.5E-07	1.6E-06	8.4E-08	6.0E-08	8.2E-09	9.7E-07
THYROID	1.2E-07	2.2E-09	8.4E-08	1.5E-08	1.7E-08	5.6E-09	4.6E-08	1.5E-07	7.7E-07	1.1E-06
UTERUS (NONGRVD)	1.3E-06	1.3E-05	6.8E-07	8.2E-06	4.5E-06	6.1E-06	8.5E-07	3.4E-07	7.5E-08	2.0E-06
TOTAL BODY	6.4E-06	2.1E-06	3.0E-06	5.7E-06	4.0E-06	4.6E-06	6.4E-06	6.4E-06	6.2E-06	6.1E-06

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(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
SCANDIUM-47 HALF-LIFE 81.6 HOURS

SOURCE ORGANS

TARGET ORGANS	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY		
			R MARROW	CORT BONE	TRA	BONE				
ADRENALS	2.9E-07	7.7E-06	2.1E-06	9.8E-07	9.8E-07	6.3E-07	5.5E-06	3.1E-08	1.2E-07	6.4E-06
BLADDER WALL	6.1E-06	1.3E-07	8.0E-07	4.3E-07	4.3E-07	4.3E-07	1.2E-07	4.1E-06	2.2E-09	6.4E-06
BONE (TOTAL)	1.2E-06	1.2E-06	1.6E-05	7.3E-05	5.2E-05	8.1E-07	9.2E-07	7.5E-07	8.3E-07	6.5E-06
GI (STOM WALL)	6.9E-07	1.5E-05	8.6E-07	4.8E-07	4.8E-07	4.7E-07	8.5E-06	3.2E-08	3.8E-08	6.4E-06
GI (SI)	1.0E-05	1.6E-06	2.2E-06	6.4E-07	6.4E-07	4.0E-07	1.2E-06	3.2E-07	9.8E-09	6.6E-06
GI (ULI WALL)	9.4E-06	1.9E-06	1.8E-06	6.1E-07	6.1E-07	4.0E-07	1.2E-06	2.8E-07	9.6E-09	6.5E-06
GI (LLI WALL)	1.2E-05	4.9E-07	2.5E-06	9.0E-07	9.0E-07	4.2E-07	5.3E-07	2.4E-06	4.5E-09	6.4E-06
KIDNEYS	8.1E-07	5.6E-06	1.9E-06	7.4E-07	7.4E-07	5.1E-07	7.7E-06	3.9E-08	3.1E-08	6.3E-06
LIVER	4.8E-07	3.8E-06	8.1E-07	5.7E-07	5.7E-07	4.7E-07	8.6E-07	2.9E-08	8.8E-08	6.3E-06
LUNGS	5.5E-08	2.2E-06	1.0E-06	8.2E-07	8.2E-07	5.2E-07	1.9E-06	7.2E-09	8.1E-07	6.1E-06
MARROW (RED)	4.3E-06	2.3E-06	1.9E-04	4.0E-06	7.2E-05	7.7E-07	1.4E-06	6.0E-07	9.1E-07	6.8E-06
OTH TISS (MUSC)	1.7E-06	1.5E-06	1.0E-06	8.6E-07	8.6E-07	6.2E-07	1.2E-06	9.7E-07	1.1E-06	6.1E-06
OVARIES	3.2E-02	3.3E-07	2.5E-06	6.0E-07	6.0E-07	3.6E-07	3.9E-07	0.0	5.2E-09	6.5E-06
PANCREAS	4.3E-07	3.6E-03	1.4E-06	8.0E-07	8.0E-07	4.2E-07	1.6E-05	5.3E-08	7.3E-08	6.6E-06
SKIN	3.7E-07	3.6E-07	5.3E-07	5.8E-07	5.8E-07	1.3E-04	4.1E-07	1.2E-06	6.4E-07	5.6E-06
SPLEEN	4.4E-07	1.6E-05	8.0E-07	5.2E-07	5.2E-07	4.7E-07	2.0E-03	1.6E-08	9.5E-08	6.4E-06
TESTES	0.0	5.3E-08	3.5E-07	5.5E-07	5.5E-07	8.1E-07	4.7E-08	1.0E-02	5.6E-10	5.9E-06
THYROID	5.2E-09	1.1E-07	6.0E-07	7.2E-07	7.2E-07	6.1E-07	8.3E-08	5.6E-10	1.8E-02	5.8E-06
UTERUS (NONGRVD)	1.8E-05	4.9E-07	1.9E-06	5.1E-07	5.1E-07	3.4E-07	3.5E-07	0.0	4.8E-09	6.7E-06
TOTAL BODY	6.7E-06	6.6E-06	6.3E-06	6.2E-06	6.2E-06	5.6E-06	6.4E-06	6.1E-06	6.0E-06	6.1E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
SCANDIUM-49 HALF-LIFE 0.958 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	1.3E-01	9.5E-10	1.1E-08	4.6E-09	3.7E-09	1.7E-08	5.0E-09	5.2E-09	
BLADDER WALL	1.0E-09	4.4E-03	1.4E-09	1.0E-08	7.1E-09	1.0E-09	3.8E-10	6.0E-09	
BONE (TOTAL)	4.4E-09	2.0E-09	2.0E-09	2.6E-09	2.4E-09	2.5E-09	3.3E-09	3.9E-09	
GI (STOM WALL)	8.5E-09	1.8E-09	3.5E-03	1.2E-08	1.1E-08	6.9E-09	7.2E-09	4.8E-09	
GI (SI)	3.7E-09	9.5E-09	8.6E-09	2.2E-03	5.0E-08	5.5E-09	1.3E-09	5.2E-09	
GI (ULI WALL)	3.7E-09	6.8E-09	1.1E-08	7.4E-08	4.0E-03	7.7E-09	1.6E-09	5.5E-09	
GI (LLI WALL)	1.5E-09	2.4E-08	4.8E-09	2.3E-08	9.5E-09	1.2E-09	2.6E-10	5.7E-09	
KIDNEYS	3.5E-08	1.6E-09	1.1E-08	9.8E-09	9.0E-09	1.3E-08	3.3E-09	4.9E-09	
LIVER	1.6E-08	1.2E-09	7.0E-09	6.3E-09	8.5E-09	9.8E-04	7.8E-09	3.8E-09	
LUNGS	8.0E-09	3.6E-10	5.9E-09	1.3E-09	1.5E-09	8.3E-09	1.8E-03	4.5E-09	
MARROW (RED)	7.8E-09	3.9E-09	3.2E-09	7.9E-09	6.8E-09	3.7E-09	4.2E-09	4.4E-09	
OTH TISS (MUSC)	5.2E-09	6.0E-09	4.8E-09	5.2E-09	5.1E-09	3.8E-09	4.5E-09	6.3E-05	
OVARIES	1.2E-09	2.2E-08	3.3E-09	2.5E-08	3.1E-08	4.2E-09	6.7E-10	6.6E-09	
PANCREAS	2.8E-08	1.3E-09	5.3E-08	6.2E-09	7.6E-09	1.9E-08	7.5E-09	6.0E-09	
SKIN	2.6E-09	2.5E-09	2.3E-09	2.1E-09	2.1E-09	2.4E-09	2.5E-09	3.3E-09	
SPLEEN	1.9E-08	1.0E-09	3.0E-08	5.8E-09	4.7E-09	3.5E-09	6.6E-09	5.0E-09	
TESTES	3.8E-10	1.5E-08	6.8E-10	2.3E-09	1.8E-09	5.4E-10	1.7E-10	4.9E-09	
THYROID	8.9E-10	9.1E-11	6.8E-10	2.5E-10	2.6E-10	7.8E-10	3.3E-09	4.6E-09	
UTERUS (NONGRVD)	1.3E-09	4.6E-08	3.3E-09	2.6E-08	1.7E-08	2.2E-09	8.2E-10	7.1E-09	
TOTAL BODY	2.5E-05	2.8E-06	7.5E-06	2.0E-05	1.2E-05	2.5E-05	2.5E-05	2.5E-05	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 SCANDIUM-49 HALF-LIFE 0.958 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	1.9E-09	2.4E-08	5.9E-09	5.6E-09	5.6E-09	3.2E-09	2.1E-08	3.8E-10	8.4E-10	2.5E-05	2.5E-05
BLADDER WALL	2.1E-08	1.5E-09	3.1E-09	2.5E-09	2.5E-09	2.8E-09	1.1E-09	1.6E-08	9.1E-11	2.5E-05	2.5E-05
BONE (TOTAL)	3.0E-09	3.1E-09	1.0E-04	3.5E-04	2.0E-04	3.0E-09	2.6E-09	2.2E-09	2.6E-09	2.5E-05	2.5E-05
GI (STOM WALL)	3.6E-09	5.4E-08	3.5E-09	2.1E-09	2.1E-09	2.3E-09	3.3E-08	5.1E-10	5.6E-10	2.5E-05	2.5E-05
GI (SI)	3.7E-08	6.2E-09	8.4E-09	2.7E-09	2.7E-09	2.1E-09	5.0E-09	2.1E-09	2.2E-10	2.5E-05	2.5E-05
GI (ULI WALL)	3.5E-08	7.2E-09	6.7E-09	2.6E-09	2.6E-09	2.1E-09	5.3E-09	2.0E-09	2.3E-10	2.5E-05	2.5E-05
GI (LLI WALL)	4.5E-08	2.1E-09	1.1E-08	3.2E-09	3.2E-09	2.3E-09	2.5E-09	8.7E-09	1.2E-10	2.5E-05	2.5E-05
KIDNEYS	4.0E-09	1.9E-08	9.1E-09	3.1E-09	3.1E-09	2.7E-09	2.8E-08	5.4E-10	5.8E-10	2.5E-05	2.5E-05
LIVER	2.5E-09	1.3E-08	3.7E-09	2.7E-09	2.7E-09	2.5E-09	3.8E-09	4.7E-10	9.2E-10	2.5E-05	2.5E-05
LUNGS	6.5E-10	7.6E-09	4.2E-09	3.5E-09	3.5E-09	2.6E-09	7.2E-09	1.6E-10	3.7E-09	2.5E-05	2.5E-05
MARROW (RED)	9.4E-09	5.6E-09	7.6E-04	2.6E-05	5.1E-04	2.8E-09	3.7E-09	1.8E-09	2.9E-09	2.5E-05	2.5E-05
OTH TISS (MUSC)	6.6E-09	6.0E-09	4.5E-09	3.9E-09	3.9E-09	3.3E-09	5.0E-09	4.9E-09	4.6E-09	2.5E-05	2.5E-05
OVARIES	1.6E-01	2.6E-09	1.1E-08	3.2E-09	3.2E-09	2.2E-09	1.3E-09	0.0	1.4E-10	2.5E-05	2.5E-05
PANCREAS	1.5E-09	1.8E-02	4.6E-09	4.1E-09	4.1E-09	2.1E-09	5.7E-08	6.3E-10	1.2E-09	2.5E-05	2.5E-05
SKIN	1.9E-09	2.0E-09	2.8E-09	3.1E-09	3.1E-09	6.8E-04	2.2E-09	5.5E-09	3.2E-09	2.5E-05	2.5E-05
SPLEEN	2.4E-09	5.9E-08	3.6E-09	2.4E-09	2.4E-09	2.1E-09	9.8E-03	4.8E-10	6.0E-10	2.5E-05	2.5E-05
TESTES	0.0	5.2E-10	1.3E-09	3.7E-09	3.7E-09	3.4E-09	4.8E-10	5.0E-02	4.5E-11	2.5E-05	2.5E-05
THYROID	1.4E-10	8.1E-10	2.8E-09	2.0E-09	2.0E-09	3.0E-09	6.7E-10	4.5E-11	8.8E-02	2.5E-05	2.5E-05
UTERUS (NONGRVD)	5.5E-08	2.2E-09	4.9E-09	2.0E-09	2.0E-09	2.2E-09	1.4E-09	0.0	1.4E-10	2.5E-05	2.5E-05
TOTAL BODY	2.5E-05	2.5E-05	2.5E-05	2.5E-05	2.5E-05	2.5E-05	2.5E-05	2.5E-05	2.5E-05	2.5E-05	2.5E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 CHROMIUM-51 HALF-LIFE 665. HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	8.4E-04	5.1E-08	5.6E-07	3.6E-07	2.3E-07	1.2E-07	2.6E-06	1.2E-06	6.0E-07	3.7E-07
BLADDER WALL	2.8E-08	3.9E-05	7.7E-08	7.1E-07	5.0E-07	1.5E-06	8.3E-08	5.7E-08	1.5E-08	4.3E-07
BONE (TOTAL)	3.7E-07	1.7E-07	1.7E-07	2.2E-07	2.0E-07	2.9E-07	2.6E-07	2.0E-07	2.7E-07	2.6E-07
GI (STOM WALL)	7.2E-07	7.3E-08	3.0E-05	8.7E-07	9.0E-07	4.4E-07	8.2E-07	4.7E-07	4.5E-07	3.4E-07
GI (SI)	2.2E-07	6.8E-07	6.4E-07	1.9E-05	4.0E-06	2.2E-06	6.9E-07	4.0E-07	5.6E-08	3.8E-07
GI (ULI WALL)	2.4E-07	5.8E-07	8.4E-07	6.1E-06	3.0E-05	1.0E-06	7.0E-07	6.1E-07	7.2E-08	4.0E-07
GI (LLI WALL)	6.8E-08	1.7E-06	3.1E-07	1.7E-06	7.3E-07	4.4E-05	2.1E-07	6.7E-08	2.4E-08	4.1E-07
KIDNEYS	2.8E-06	7.9E-08	8.4E-07	7.5E-07	6.7E-07	2.2E-07	5.2E-05	9.3E-07	2.3E-07	3.4E-07
LIVER	1.2E-06	5.9E-08	4.9E-07	4.5E-07	6.2E-07	7.6E-08	9.5E-07	1.2E-05	5.9E-07	2.7E-07
LUNGS	5.9E-07	8.5E-09	4.3E-07	7.0E-08	7.3E-08	2.3E-08	2.2E-07	6.0E-07	1.4E-05	3.3E-07
MARROW (RED)	6.7E-07	3.7E-07	2.9E-07	7.2E-07	6.2E-07	8.6E-07	6.8E-07	3.0E-07	3.4E-07	3.7E-07
OTH TISS (MUSC)	3.7E-07	4.3E-07	3.4E-07	3.8E-07	3.6E-07	4.1E-07	3.4E-07	2.7E-07	3.3E-07	7.0E-07
OVARIES	1.4E-07	1.7E-06	1.1E-07	2.4E-06	3.0E-06	4.5E-06	3.0E-07	9.3E-08	3.3E-08	4.9E-07
PANCREAS	2.1E-06	7.1E-08	4.3E-06	5.0E-07	5.3E-07	1.8E-07	1.6E-06	1.0E-06	6.4E-07	4.4E-07
SKIN	1.5E-07	1.5E-07	1.3E-07	1.2E-07	1.2E-07	1.4E-07	1.5E-07	1.4E-07	1.5E-07	2.1E-07
SPLEEN	1.6E-06	4.4E-08	2.4E-06	3.8E-07	3.3E-07	2.0E-07	2.1E-06	2.3E-07	5.5E-07	3.6E-07
TESTES	1.4E-08	1.2E-06	1.2E-08	8.8E-08	9.7E-08	5.0E-07	3.2E-08	2.4E-08	4.3E-09	2.9E-07
THYROID	4.3E-08	1.5E-09	3.3E-08	7.3E-09	7.9E-09	3.1E-09	1.9E-08	5.2E-08	2.4E-07	3.3E-07
UTERUS (NONGRVD)	4.0E-07	3.7E-06	2.1E-07	2.2E-06	1.1E-06	1.6E-06	2.4E-07	1.0E-07	2.4E-08	5.5E-07
TOTAL BODY	5.6E-07	5.0E-07	5.0E-07	6.1E-07	5.6E-07	5.7E-07	5.6E-07	5.6E-07	5.0E-07	4.9E-07

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 CHROMIUM-51 HALF-LIFE 665. HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY		
			R MARROW	CORT BONE TRA BONE							
ADRENALS	1.1E-07	2.0E-06	5.7E-07	3.5E-07	3.5E-07	1.9E-07	1.5E-06	1.4E-08	4.3E-08	6.5E-07	
BLADDER WALL	1.7E-06	4.2E-08	1.8E-07	1.3E-07	1.3E-07	1.4E-07	3.9E-08	1.2E-06	1.5E-09	5.8E-07	
BONE (TOTAL)	2.6E-07	2.5E-07	6.6E-07	2.8E-06	2.8E-06	2.1E-07	2.1E-07	1.8E-07	2.0E-07	5.2E-07	
GI (STOM WALL)	2.0E-07	4.4E-06	2.6E-07	1.4E-07	1.4E-07	1.4E-07	2.3E-06	1.8E-08	1.8E-08	6.0E-07	
GI (SI)	2.9E-06	4.5E-07	6.4E-07	1.9E-07	1.9E-07	1.3E-07	3.4E-07	1.1E-07	3.1E-09	6.3E-07	
GI (ULI WALL)	2.7E-06	5.4E-07	5.1E-07	1.8E-07	1.8E-07	1.2E-07	3.2E-07	8.6E-08	2.7E-09	6.0E-07	
GI (LII WALL)	3.5E-06	1.4E-07	7.3E-07	2.5E-07	2.5E-07	1.3E-07	1.6E-07	6.9E-07	2.5E-09	5.9E-07	
KIDNEYS	2.5E-07	1.5E-06	5.6E-07	2.2E-07	2.2E-07	1.7E-07	2.1E-06	1.8E-08	1.1E-08	5.8E-07	
LIVER	1.5E-07	1.0E-06	2.4E-07	1.7E-07	1.7E-07	1.5E-07	2.6E-07	1.1E-08	3.3E-08	5.6E-07	
LUNGS	2.1E-08	6.0E-07	3.0E-07	2.4E-07	2.4E-07	1.6E-07	5.4E-07	3.2E-09	2.4E-07	5.1E-07	
MARROW (RED)	8.9E-07	4.9E-07	8.5E-06	8.8E-07	9.5E-07	2.0E-07	3.2E-07	1.4E-07	2.2E-07	5.9E-07	
OTH TISS (MUSC)	4.9E-07	4.4E-07	3.1E-07	2.6E-07	2.6E-07	2.1E-07	3.6E-07	2.9E-07	3.3E-07	4.9E-07	
OVARIES	1.2E-03	8.3E-08	6.7E-07	2.1E-07	2.1E-07	1.0E-07	1.9E-07	0.0	3.0E-09	5.9E-07	
PANCREAS	1.3E-07	1.7E-04	4.1E-07	2.5E-07	2.5E-07	1.4E-07	4.6E-06	1.5E-08	2.3E-08	6.4E-07	
SKIN	1.2E-07	1.1E-07	1.7E-07	1.9E-07	1.9E-07	4.3E-06	1.4E-07	3.7E-07	2.0E-07	3.5E-07	
SPLEEN	1.5E-07	4.6E-06	2.1E-07	1.8E-07	1.8E-07	1.5E-07	9.0E-05	1.6E-08	3.0E-08	5.9E-07	
TESTES	0.0	1.7E-08	8.6E-08	1.5E-07	1.5E-07	2.4E-07	1.9E-08	3.8E-04	4.7E-10	4.9E-07	
THYROID	3.0E-09	4.1E-08	2.0E-07	2.5E-07	2.5E-07	2.0E-07	3.2E-08	4.7E-10	6.4E-04	4.8E-07	
UTERUS (NONGRVD)	4.8E-06	1.6E-07	5.3E-07	1.5E-07	1.5E-07	1.1E-07	1.0E-07	0.0	2.8E-09	6.3E-07	
TOTAL BODY	6.4E-07	6.3E-07	5.4E-07	5.0E-07	5.0E-07	3.5E-07	5.6E-07	4.9E-07	4.6E-07	5.0E-07	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
MANGANESE-52 HALF-LIFE 136. HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			LIVER	LUNGS	OTHER TISSUE (MUSCLE)		
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				LLI CONTENTS	KIDNEYS
ADRENALS	2.3E-02	6.1E-06	6.5E-05	2.9E-05	2.8E-05	1.2E-05	2.9E-04	1.1E-04	5.3E-05	3.7E-05
BLADDER WALL	5.5E-06	2.1E-03	1.2E-05	7.0E-05	4.5E-05	1.4E-04	1.1E-05	6.1E-06	2.3E-06	4.2E-05
BONE (TOTAL)	3.2E-05	1.3E-05	1.4E-05	1.8E-05	1.7E-05	2.4E-05	2.3E-05	1.7E-05	2.3E-05	2.7E-05
GI (STOM WALL)	6.8E-05	1.1E-05	1.5E-03	8.3E-05	8.1E-05	3.8E-05	7.4E-05	4.7E-05	4.6E-05	3.4E-05
GI (SI)	2.4E-05	6.4E-05	6.0E-05	9.2E-04	3.7E-04	2.1E-04	6.7E-05	3.8E-05	7.7E-06	3.7E-05
GI (ULI WALL)	2.5E-05	4.9E-05	8.0E-05	5.3E-04	1.4E-03	9.9E-05	6.9E-05	5.6E-05	1.0E-05	3.9E-05
GI (LLI WALL)	8.0E-06	1.6E-04	3.3E-05	1.6E-04	7.3E-05	1.8E-03	2.3E-05	8.0E-06	2.0E-06	4.0E-05
KIDNEYS	2.6E-04	1.0E-05	7.7E-05	7.3E-05	6.7E-05	2.2E-05	2.2E-03	8.8E-05	2.6E-05	3.5E-05
LIVER	1.1E-04	7.3E-06	4.8E-05	4.4E-05	5.9E-05	1.0E-05	9.1E-05	6.9E-04	5.6E-05	2.7E-05
LUNGS	5.7E-05	2.0E-06	4.3E-05	8.3E-06	1.0E-05	3.7E-06	2.3E-05	5.8E-05	5.0E-04	3.2E-05
MARROW (RED)	5.6E-05	2.8E-05	2.3E-05	5.7E-05	4.8E-05	7.1E-05	5.8E-05	2.5E-05	2.9E-05	3.1E-05
OTH TISS (MUSC)	3.7E-05	4.2E-05	3.4E-05	3.7E-05	3.5E-05	4.0E-05	3.5E-05	2.7E-05	3.2E-05	4.2E-05
OVARIES	9.2E-06	1.4E-04	2.6E-05	2.1E-04	1.9E-04	3.9E-04	3.3E-05	1.8E-05	4.2E-06	4.7E-05
PANCREAS	2.0E-04	6.7E-06	4.0E-04	4.5E-05	4.8E-05	1.7E-05	1.6E-04	1.0E-04	5.8E-05	4.2E-05
SKIN	1.8E-05	1.7E-05	1.5E-05	1.4E-05	1.4E-05	1.6E-05	1.6E-05	1.5E-05	1.7E-05	2.3E-05
SPLEEN	1.4E-04	5.6E-06	2.2E-04	3.9E-05	3.4E-05	2.4E-05	1.9E-04	2.5E-05	4.8E-05	3.5E-05
TESTES	2.2E-06	1.1E-04	3.5E-06	1.3E-05	1.2E-05	4.0E-05	4.2E-06	4.5E-06	9.0E-07	3.0E-05
THYROID	5.6E-06	4.3E-07	4.3E-06	1.4E-06	1.4E-06	7.0E-07	2.8E-06	5.0E-06	2.8E-05	3.3E-05
UTERUS (NONGRVD)	1.1E-05	3.3E-04	2.4E-05	2.0E-04	1.1E-04	1.3E-04	2.3E-05	1.2E-05	4.3E-06	5.2E-05
TOTAL BODY	4.2E-05	4.4E-05	4.3E-05	4.8E-05	4.6E-05	4.6E-05	4.3E-05	4.3E-05	3.7E-05	3.7E-05

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(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)

MANGANESE-52 HALF-LIFE 136. HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	THYROID	TESTES	THYROID	
ADRENALS	1.4E-05	1.8E-04	5.8E-05	4.6E-05	4.6E-05	2.0E-05	1.6E-04	2.2E-06	5.4E-06	6.0E-05	6.0E-05
BLADDER WALL	1.6E-04	5.2E-06	2.5E-05	1.5E-05	1.5E-05	1.9E-05	6.9E-06	1.2E-04	4.3E-07	4.8E-05	4.8E-05
BONE (TOTAL)	2.1E-05	2.1E-05	6.1E-05	1.1E-04	1.0E-04	2.1E-05	1.8E-05	1.6E-05	1.8E-05	3.7E-05	3.7E-05
GI (STOM WALL)	2.1E-05	3.9E-04	2.7E-05	1.4E-05	1.4E-05	1.6E-05	2.3E-04	2.6E-06	3.9E-06	4.0E-05	4.0E-05
GI (SI)	2.7E-04	4.3E-05	6.1E-05	1.9E-05	1.9E-05	1.4E-05	3.4E-05	1.3E-05	9.8E-07	4.9E-05	4.9E-05
GI (ULI WALL)	2.5E-04	5.2E-05	4.6E-05	1.8E-05	1.8E-05	1.5E-05	3.4E-05	9.2E-06	1.1E-06	4.6E-05	4.6E-05
GI (LLI WALL)	3.2E-04	1.5E-05	7.0E-05	2.4E-05	2.4E-05	1.5E-05	1.6E-05	6.0E-05	6.0E-07	4.9E-05	4.9E-05
KIDNEYS	2.6E-05	1.4E-04	5.9E-05	2.6E-05	2.6E-05	1.9E-05	2.0E-04	3.7E-06	3.2E-06	4.3E-05	4.3E-05
LIVER	1.6E-05	9.5E-05	2.5E-05	1.8E-05	1.8E-05	1.7E-05	2.6E-05	2.5E-06	4.9E-06	4.4E-05	4.4E-05
LUNGS	3.8E-06	5.4E-05	3.0E-05	2.4E-05	2.4E-05	1.7E-05	5.0E-05	8.3E-07	2.7E-05	3.6E-05	3.6E-05
MARROW (RED)	6.9E-05	4.0E-05	2.5E-04	7.4E-05	7.4E-05	2.0E-04	2.7E-05	1.2E-05	2.0E-05	4.0E-05	4.0E-05
OTH TISS (MUSC)	4.7E-05	4.2E-05	3.2E-05	2.7E-05	2.7E-05	2.3E-05	3.5E-05	3.0E-05	3.3E-05	3.7E-05	3.7E-05
OVARIES	3.3E-02	1.9E-05	7.7E-05	2.3E-05	2.3E-05	1.3E-05	1.7E-05	0.0	7.1E-07	4.3E-05	4.3E-05
PANCREAS	1.7E-05	6.6E-03	3.2E-05	2.5E-05	2.5E-05	1.3E-05	4.3E-04	2.5E-06	5.1E-06	4.2E-05	4.2E-05
SKIN	1.4E-05	1.3E-05	1.9E-05	2.1E-05	2.1E-05	1.1E-04	1.6E-05	3.9E-05	2.2E-05	2.6E-05	2.6E-05
SPLEEN	1.5E-05	4.3E-04	2.3E-05	1.9E-05	1.9E-05	1.7E-05	3.9E-03	2.0E-06	4.6E-06	4.2E-05	4.2E-05
TESTES	0.0	2.9E-06	8.2E-06	1.6E-05	1.6E-05	2.2E-05	2.8E-06	1.3E-02	1.9E-07	4.4E-05	4.4E-05
THYROID	7.1E-07	3.3E-06	2.0E-05	2.2E-05	2.2E-05	1.8E-05	4.1E-06	1.9E-07	2.0E-02	3.7E-05	3.7E-05
UTERUS (NONGRVD)	4.0E-04	1.5E-05	4.2E-05	1.8E-05	1.8E-05	1.7E-05	1.1E-05	0.0	6.8E-07	5.0E-05	5.0E-05
TOTAL BODY	4.9E-05	4.8E-05	4.0E-05	3.7E-05	3.7E-05	2.5E-05	4.3E-05	3.7E-05	3.4E-05	3.7E-05	3.7E-05

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DATE OF ISSUE-05-13-75

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
MANGANESE-52M HALF-LIFE 0.355 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	1.8E-01	4.2E-06	4.8E-05	2.0E-05	1.8E-05	8.3E-06	2.0E-04	7.7E-05	3.6E-05	2.5E-05
BLADDER WALL	3.4E-06	7.2E-03	7.8E-06	5.5E-05	2.9E-05	1.0E-04	7.3E-06	5.0E-06	1.5E-06	2.9E-05
BONE (TOTAL)	2.2E-05	9.5E-06	9.8E-06	1.3E-05	1.2E-05	1.7E-05	1.6E-05	1.2E-05	1.6E-05	1.9E-05
GI (STOM WALL)	4.7E-05	6.5E-06	5.6E-05	5.7E-05	5.6E-05	2.7E-05	5.1E-05	3.2E-05	3.2E-05	2.3E-05
GI (SI)	1.7E-05	4.4E-05	4.2E-05	3.5E-03	2.6E-04	1.5E-04	4.7E-05	2.7E-05	5.2E-06	2.6E-05
GI (ULI WALL)	1.7E-05	3.6E-05	5.8E-05	3.7E-04	6.2E-03	7.1E-05	4.9E-05	3.9E-05	7.1E-06	2.7E-05
GI (LLI WALL)	6.3E-06	1.2E-04	2.3E-05	1.1E-04	4.9E-05	9.8E-03	1.6E-05	6.0E-06	1.3E-06	2.8E-05
KIDNEYS	1.8E-04	7.7E-06	5.4E-05	5.0E-05	4.6E-05	1.5E-05	8.9E-03	6.2E-05	1.8E-05	2.4E-05
LIVER	7.9E-05	5.0E-06	3.3E-05	3.0E-05	4.1E-05	7.0E-06	6.4E-05	1.8E-03	3.9E-05	1.9E-05
LUNGS	3.9E-05	1.3E-06	3.0E-05	5.7E-06	6.8E-06	2.4E-06	1.6E-05	4.1E-05	2.6E-03	2.2E-05
MARROW (RED)	3.9E-05	2.0E-05	1.6E-05	4.0E-05	3.4E-05	4.9E-05	4.1E-05	1.8E-05	2.0E-05	2.2E-05
OTH TISS (MUSC)	2.5E-05	2.9E-05	2.3E-05	2.6E-05	2.5E-05	2.8E-05	2.4E-05	1.9E-05	2.2E-05	1.1E-04
OVARIES	5.4E-06	1.1E-04	1.4E-05	1.4E-04	1.5E-04	2.7E-04	2.1E-05	1.1E-05	2.9E-06	3.3E-05
PANCREAS	1.4E-04	4.4E-06	2.8E-04	3.1E-05	3.2E-05	1.2E-05	1.1E-04	7.2E-05	4.3E-05	3.0E-05
SKIN	1.2E-05	1.1E-05	1.0E-05	9.8E-06	9.6E-06	1.1E-05	1.1E-05	1.1E-05	1.2E-05	1.6E-05
SPLEEN	9.9E-05	3.7E-06	1.5E-04	2.7E-05	2.3E-05	1.6E-05	1.3E-04	1.7E-05	3.2E-05	2.5E-05
TESTES	1.5E-06	7.7E-05	2.0E-06	8.4E-06	7.9E-06	3.0E-05	2.9E-06	2.4E-06	6.0E-07	2.1E-05
THYROID	3.9E-06	2.8E-07	2.9E-06	9.2E-07	9.7E-07	4.7E-07	1.9E-06	3.4E-06	1.8E-05	2.3E-05
UTERUS (NONGRVD)	7.3E-06	2.3E-04	1.6E-05	1.4E-04	7.9E-05	9.4E-05	1.7E-05	9.1E-06	3.3E-06	3.1E-05
TOTAL BODY	6.2E-05	3.5E-05	4.0E-05	6.0E-05	4.8E-05	5.2E-05	6.3E-05	6.2E-05	5.8E-05	5.8E-05

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DATE OF ISSUE-05-13-75

52mMn

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)

MANGANESE-52M HALF-LIFE 0.355 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID		
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	9.7E-06	1.3E-04	3.4E-05	3.2E-05	3.2E-05	1.3E-05	1.0E-04	1.5E-06	3.7E-06	7.9E-05	
BLADDER WALL	1.1E-04	4.3E-06	1.6E-05	1.2E-05	1.2E-05	1.3E-05	3.8E-06	8.0E-05	2.9E-07	6.5E-05	
BONE (TOTAL)	1.5E-05	1.5E-05	1.8E-04	5.4E-04	3.3E-04	1.4E-05	1.3E-05	1.1E-05	1.3E-05	5.8E-05	
GI (STOM WALL)	1.6E-05	2.7E-04	1.8E-05	9.9E-06	9.9E-06	1.1E-05	1.6E-04	2.0E-06	2.8E-06	6.0E-05	
GI (SI)	1.9E-04	3.0E-05	4.2E-05	1.3E-05	1.3E-05	9.9E-06	2.4E-05	9.3E-06	6.1E-07	6.7E-05	
GI (ULI WALL)	1.8E-04	3.6E-05	3.3E-05	1.2E-05	1.2E-05	9.8E-06	2.4E-05	5.9E-06	7.4E-07	6.5E-05	
GI (LLI WALL)	2.2E-04	1.1E-05	4.9E-05	1.6E-05	1.6E-05	1.0E-05	1.1E-05	4.4E-05	4.0E-07	6.7E-05	
KIDNEYS	1.8E-05	1.0E-04	4.1E-05	1.6E-05	1.6E-05	1.3E-05	1.4E-04	2.4E-06	2.1E-06	6.2E-05	
LIVER	1.1E-05	6.7E-05	1.7E-05	1.2E-05	1.2E-05	1.2E-05	1.8E-05	1.6E-06	3.3E-06	6.3E-05	
LUNGS	2.5E-06	3.8E-05	2.1E-05	1.6E-05	1.6E-05	1.2E-05	3.5E-05	5.6E-07	1.8E-05	5.8E-05	
MARROW (RED)	4.8E-05	2.8E-05	1.2E-03	9.0E-05	7.4E-04	1.4E-05	1.8E-05	8.5E-06	1.4E-05	6.1E-05	
OTH TISS (MUSC)	3.3E-05	3.0E-05	2.2E-05	1.9E-05	1.9E-05	1.6E-05	2.5E-05	2.1E-05	2.3E-05	5.8E-05	
OVARIES	2.3E-01	1.0E-05	5.9E-05	1.6E-05	1.6E-05	7.6E-06	1.4E-05	0.0	4.8E-07	6.6E-05	
PANCREAS	9.9E-06	2.8E-02	2.4E-05	1.8E-05	1.8E-05	9.6E-06	3.0E-04	1.6E-06	4.5E-06	6.2E-05	
SKIN	9.2E-06	9.1E-06	1.3E-05	1.5E-05	1.5E-05	9.6E-04	1.1E-05	2.7E-05	1.5E-05	5.0E-05	
SPLEEN	1.0E-05	3.0E-04	1.5E-05	1.3E-05	1.3E-05	1.1E-05	1.5E-02	1.7E-06	2.9E-06	6.2E-05	
TESTES	0.0	1.8E-06	5.1E-06	1.1E-05	1.1E-05	1.5E-05	1.9E-06	7.5E-02	1.3E-07	6.3E-05	
THYROID	4.8E-07	3.2E-06	1.3E-05	1.9E-05	1.9E-05	1.3E-05	2.8E-06	1.3E-07	1.3E-01	5.7E-05	
UTERUS (NONGRVD)	2.8E-04	1.0E-05	3.0E-05	1.1E-05	1.1E-05	1.1E-05	5.9E-06	0.0	4.6E-07	6.3E-05	
TOTAL BODY	6.7E-05	6.7E-05	6.1E-05	5.8E-05	5.8E-05	5.0E-05	6.2E-05	5.8E-05	5.6E-05	5.8E-05	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
MANGANESE-54 HALF-LIFE 7.50E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				LLI CONTENTS
ADRENALS	3.5E-03	1.5E-06	7.1E-06	7.0E-06	3.0E-06	7.3E-05	2.8E-05	1.4E-05	9.0E-06
BLADDER WALL	1.2E-06	4.4E-04	2.9E-06	1.5E-05	1.2E-05	2.7E-06	1.4E-06	5.2E-07	1.0E-05
BONE (TOTAL)	8.0E-06	3.3E-06	3.5E-06	4.6E-06	4.1E-06	5.7E-06	4.2E-06	5.8E-06	6.6E-06
GI (STOM WALL)	1.7E-05	2.9E-06	3.2E-04	2.0E-05	2.1E-05	2.0E-05	1.1E-05	1.1E-05	8.3E-06
GI (SI)	5.6E-06	1.6E-05	1.5E-05	1.9E-04	9.3E-05	1.6E-05	9.3E-06	1.9E-06	9.1E-06
GI (ULI WALL)	6.6E-06	1.2E-05	1.8E-05	1.3E-04	2.7E-04	1.7E-05	1.4E-05	2.4E-06	9.6E-06
GI (LLI WALL)	1.7E-06	3.9E-05	8.0E-06	4.0E-05	1.9E-05	5.2E-06	1.7E-06	5.4E-07	1.0E-05
KIDNEYS	6.6E-05	2.2E-06	1.9E-05	1.9E-05	1.7E-05	4.6E-04	2.2E-05	6.0E-06	8.5E-06
LIVER	2.8E-05	1.8E-06	1.2E-05	1.1E-05	1.5E-05	2.3E-05	1.5E-04	1.4E-05	6.7E-06
LUNGS	1.4E-05	4.3E-07	1.1E-05	2.1E-06	2.3E-06	5.9E-06	1.4E-05	9.5E-05	7.9E-06
MARROW (RED)	1.4E-05	7.0E-06	5.9E-06	1.4E-05	1.2E-05	1.4E-05	6.0E-06	7.3E-06	7.9E-06
OTH TISS (MUSC)	9.0E-06	1.0E-05	8.3E-06	9.1E-06	8.7E-06	8.5E-06	6.7E-06	7.9E-06	9.4E-06
OVARIES	3.3E-06	2.9E-05	7.1E-06	5.8E-05	5.3E-05	8.8E-06	3.3E-06	9.9E-07	1.2E-05
PANCREAS	5.1E-05	1.7E-06	9.8E-05	1.2E-05	1.2E-05	4.0E-05	2.6E-05	1.4E-05	1.0E-05
SKIN	4.3E-06	4.1E-06	3.7E-06	3.4E-06	3.4E-06	4.0E-06	3.7E-06	4.1E-06	5.6E-06
SPLEEN	3.6E-05	1.5E-06	5.5E-05	9.2E-06	7.9E-06	4.9E-05	6.6E-06	1.3E-05	8.7E-06
TESTES	5.0E-07	2.9E-05	7.3E-07	2.9E-06	3.3E-06	9.9E-07	1.3E-06	1.9E-07	7.4E-06
THYROID	1.3E-06	8.7E-08	1.0E-06	3.0E-07	3.2E-07	6.5E-07	1.2E-06	8.0E-06	8.1E-06
UTERUS (NONGRVD)	2.8E-06	8.6E-05	5.6E-06	5.0E-05	2.7E-05	5.0E-06	2.4E-06	6.8E-07	1.4E-05
TOTAL BODY	1.0E-05	1.1E-05	1.1E-05	1.2E-05	1.1E-05	1.0E-05	1.0E-05	8.7E-06	8.8E-06

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54Mn

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 MANGANESE-54 HALF-LIFE 7.50E 03 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID	THYROID	TOTAL BODY	
			R MARROW	CORT BONE TRA							
ADRENALS	3.4E-06	4.2E-05	1.5E-05	1.1E-05	4.7E-06	4.0E-05	5.0E-07	1.3E-06	1.3E-06	1.2E-05	
BLADDER WALL	4.1E-05	8.8E-07	5.9E-06	3.0E-06	4.4E-06	1.8E-06	3.1E-05	8.7E-08	8.7E-08	1.2E-05	
BONE (TOTAL)	5.3E-06	5.3E-06	1.4E-05	2.2E-05	5.1E-06	4.5E-06	3.9E-06	4.4E-06	4.4E-06	8.8E-06	
GI (STOM WALL)	4.7E-06	9.9E-05	6.8E-06	3.3E-06	4.0E-06	5.5E-05	5.6E-07	8.1E-07	8.1E-07	1.0E-05	
GI (SI)	6.6E-05	1.1E-05	1.5E-05	5.0E-06	3.5E-06	8.2E-06	3.2E-06	1.8E-07	1.8E-07	1.2E-05	
GI (ULI WALL)	6.2E-05	1.3E-05	1.1E-05	4.5E-06	3.9E-06	8.3E-06	2.3E-06	2.0E-07	2.0E-07	1.1E-05	
GI (LLI WALL)	7.9E-05	3.3E-06	1.8E-05	6.2E-06	3.9E-06	3.9E-06	1.4E-05	1.3E-07	1.3E-07	1.2E-05	
KIDNEYS	6.6E-06	3.6E-05	1.4E-05	6.6E-06	4.6E-06	4.8E-05	8.1E-07	5.9E-07	5.9E-07	1.1E-05	
LIVER	3.8E-06	2.4E-05	6.0E-06	4.3E-06	4.1E-06	6.4E-06	5.3E-07	1.1E-06	1.1E-06	1.1E-05	
LUNGS	8.7E-07	1.4E-05	7.2E-06	5.9E-06	4.2E-06	1.3E-05	1.5E-07	6.7E-06	6.7E-06	8.8E-06	
MARROW (RED)	1.7E-05	9.9E-06	5.0E-05	1.8E-05	4.7E-06	6.6E-06	3.1E-06	4.8E-06	4.8E-06	9.7E-06	
OTH TISS (MUSC)	1.2E-05	1.0E-05	7.8E-06	6.6E-06	5.6E-06	8.7E-06	7.4E-06	8.1E-06	8.1E-06	8.8E-06	
OVARIES	5.6E-03	4.9E-06	1.7E-05	6.0E-06	3.1E-06	4.2E-06	0.0	1.5E-07	1.5E-07	8.6E-06	
PANCREAS	4.9E-06	1.4E-03	7.9E-06	5.7E-06	3.1E-06	1.1E-04	5.1E-07	3.6E-07	3.6E-07	1.0E-05	
SKIN	3.3E-06	3.3E-06	4.5E-06	5.2E-06	1.7E-05	3.9E-06	9.4E-06	5.4E-06	5.4E-06	5.7E-06	
SPLEEN	3.9E-06	1.1E-04	5.9E-06	5.2E-06	4.5E-06	8.2E-04	5.2E-07	1.1E-06	1.1E-06	1.1E-05	
TESTES	0.0	6.4E-07	2.6E-06	3.8E-06	5.4E-06	6.6E-07	2.4E-03	3.6E-08	3.6E-08	1.1E-05	
THYROID	1.5E-07	4.9E-07	5.6E-06	4.2E-06	4.6E-06	9.8E-07	3.6E-08	3.4E-03	3.4E-03	9.3E-06	
UTERUS (NONGRVD)	1.0E-04	3.7E-06	1.0E-05	4.9E-06	4.2E-06	3.5E-06	0.0	1.4E-07	1.4E-07	1.3E-05	
TOTAL BODY	1.2E-05	1.2E-05	9.6E-06	8.7E-06	5.8E-06	1.0E-05	8.6E-06	7.9E-06	7.9E-06	8.7E-06	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 IRON-52 HALF-LIFE 8.30 HOURS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)		
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS	
ADRENALS	3.3E-02	1.2E-06	1.3E-05	7.1E-06	5.6E-06	2.7E-06	6.7E-05	2.7E-05	1.4E-05	1.4E-05	8.5E-06
BLADDER WALL	6.5E-07	1.5E-03	2.3E-06	1.8E-05	1.1E-05	3.3E-05	2.1E-06	1.7E-06	3.8E-07	3.8E-07	1.0E-05
BONE (TOTAL)	8.3E-06	3.7E-06	3.7E-06	4.9E-06	4.5E-06	6.4E-06	6.0E-06	4.5E-06	6.1E-06	6.1E-06	6.1E-06
GI (STOM WALL)	1.7E-05	1.8E-06	1.1E-03	1.9E-05	2.1E-05	1.0E-05	1.9E-05	1.1E-05	1.0E-05	1.0E-05	7.8E-06
GI (SI)	5.3E-06	1.5E-05	1.5E-05	7.1E-04	9.2E-05	5.1E-05	1.6E-05	9.0E-06	1.5E-06	1.5E-06	8.7E-06
GI (ULI WALL)	5.8E-06	1.3E-05	1.9E-05	1.3E-04	1.2E-03	2.4E-05	1.6E-05	1.4E-05	2.0E-06	2.0E-06	9.1E-06
GI (LLI WALL)	1.8E-06	4.0E-05	7.1E-06	3.9E-05	1.7E-05	1.9E-03	4.8E-06	1.7E-06	4.6E-07	4.6E-07	9.5E-06
KIDNEYS	6.5E-05	2.0E-06	1.9E-05	1.8E-05	1.5E-05	4.8E-06	1.8E-03	2.1E-05	5.7E-06	5.7E-06	8.0E-06
LIVER	2.8E-05	1.5E-06	1.1E-05	1.0E-05	1.4E-05	1.9E-06	2.2E-05	3.8E-04	1.4E-05	1.4E-05	6.2E-06
LUNGS	1.3E-05	2.4E-07	1.0E-05	1.8E-06	1.8E-06	5.5E-07	5.2E-06	1.4E-05	5.1E-04	5.1E-04	7.5E-06
MARROW (RED)	1.5E-05	8.0E-06	6.5E-06	1.6E-05	1.4E-05	1.9E-05	1.5E-05	6.6E-06	7.7E-06	7.7E-06	8.3E-06
OTH TISS (MUSC)	8.5E-06	1.0E-05	7.9E-06	8.7E-06	8.3E-06	9.5E-06	8.0E-06	6.2E-06	7.5E-06	7.5E-06	2.4E-05
OVARIES	3.2E-06	3.7E-05	2.8E-06	5.2E-05	7.0E-05	9.3E-05	6.6E-06	1.5E-06	8.1E-07	8.1E-07	1.1E-05
PANCREAS	4.8E-05	1.5E-06	9.9E-05	1.2E-05	1.1E-05	4.2E-06	3.7E-05	2.6E-05	1.5E-05	1.5E-05	1.0E-05
SKIN	3.7E-06	3.6E-06	3.2E-06	2.9E-06	3.0E-06	3.2E-06	3.6E-06	3.3E-06	3.7E-06	3.7E-06	4.9E-06
SPLEEN	3.6E-05	1.5E-06	5.4E-05	8.8E-06	7.2E-06	5.1E-06	4.7E-05	5.6E-06	1.2E-05	1.2E-05	8.2E-06
TESTES	3.6E-07	2.8E-05	1.9E-07	2.0E-06	2.6E-06	1.1E-05	7.9E-07	6.0E-07	1.2E-07	1.2E-07	6.9E-06
THYROID	1.1E-06	4.6E-08	8.0E-07	2.0E-07	2.1E-07	8.9E-08	4.9E-07	1.0E-06	6.4E-06	6.4E-06	7.7E-06
UTERUS (NONGRVD)	3.9E-06	8.5E-05	4.9E-06	5.0E-05	2.6E-05	3.3E-05	4.9E-06	2.4E-06	5.3E-07	5.3E-07	1.1E-05
TOTAL BODY	1.6E-05	1.1E-05	1.2E-05	1.6E-05	1.4E-05	1.4E-05	1.6E-05	1.6E-05	1.4E-05	1.4E-05	1.4E-05

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52Fe

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 IRON-52 HALF-LIFE 8.30 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY		
			R MARROW	CORT BONE						TRA	
ADRENALS	3.1E-06	4.8E-05	1.1E-05	8.9E-06	8.9E-06	3.9E-06	3.4E-05	3.6E-07	1.1E-06	1.8E-05	
BLADDER WALL	3.8E-05	1.0E-06	4.1E-06	3.5E-06	3.5E-06	3.4E-06	7.8E-07	2.8E-05	4.6E-08	1.6E-05	
BONE (TOTAL)	5.8E-06	5.7E-06	3.5E-05	1.1E-04	7.4E-05	4.9E-06	4.7E-06	4.0E-06	4.5E-06	1.5E-05	
GI (STOM WALL)	4.7E-06	9.7E-05	5.7E-06	3.3E-06	3.3E-06	3.5E-06	5.5E-05	5.6E-07	6.2E-07	1.6E-05	
GI (SI)	6.7E-05	1.0E-05	1.5E-05	4.5E-06	4.5E-06	3.0E-06	7.9E-06	2.8E-06	5.1E-08	1.7E-05	
GI (ULI WALL)	6.2E-05	1.2E-05	1.2E-05	4.0E-06	4.0E-06	3.1E-06	7.8E-06	1.8E-06	6.4E-08	1.7E-05	
GI (LLI WALL)	8.0E-05	3.1E-06	1.7E-05	5.5E-06	5.5E-06	3.3E-06	3.8E-06	1.6E-05	7.4E-08	1.7E-05	
KIDNEYS	6.2E-06	3.5E-05	1.3E-05	5.1E-06	5.1E-06	4.1E-06	4.8E-05	5.1E-07	2.7E-07	1.6E-05	
LIVER	3.4E-06	2.4E-05	5.7E-06	3.9E-06	3.9E-06	3.7E-06	6.0E-06	2.8E-07	8.3E-07	1.6E-05	
LUNGS	5.8E-07	1.4E-05	6.8E-06	5.5E-06	5.5E-06	3.8E-06	1.2E-05	7.6E-08	5.9E-06	1.5E-05	
MARROW (RED)	2.0E-05	1.1E-05	2.5E-04	2.1E-05	1.2E-04	4.6E-06	7.0E-06	3.2E-06	5.0E-06	1.6E-05	
OTH TISS (MUSC)	1.1E-05	1.0E-05	7.3E-06	6.1E-06	6.1E-06	4.9E-06	8.2E-06	6.9E-06	7.7E-06	1.4E-05	
OVARIES	4.3E-02	2.2E-06	1.9E-05	5.6E-06	5.6E-06	1.9E-06	5.2E-06	0.0	8.8E-08	1.6E-05	
PANCREAS	3.1E-06	5.4E-03	9.6E-06	5.2E-06	5.2E-06	3.2E-06	1.1E-04	2.5E-07	4.1E-07	1.6E-05	
SKIN	2.9E-06	2.8E-06	4.1E-06	4.7E-06	4.7E-06	1.8E-04	3.4E-06	8.7E-06	4.7E-06	1.1E-05	
SPLEEN	3.7E-06	1.1E-04	4.7E-06	4.5E-06	4.5E-06	3.6E-06	3.1E-03	5.9E-07	7.1E-07	1.6E-05	
TESTES	0.0	3.6E-07	2.4E-06	3.3E-06	3.3E-06	4.9E-06	4.9E-07	1.4E-02	1.6E-08	1.6E-05	
THYROID	8.8E-08	9.8E-07	4.9E-06	5.9E-06	5.9E-06	4.6E-06	7.8E-07	1.6E-08	2.4E-02	1.4E-05	
UTERUS (NONGRVD)	1.1E-04	3.5E-06	1.1E-05	3.3E-06	3.3E-06	3.0E-06	2.6E-06	0.0	8.3E-08	1.6E-05	
TOTAL BODY	1.7E-05	1.7E-05	1.5E-05	1.4E-05	1.4E-05	1.1E-05	1.6E-05	1.4E-05	1.3E-05	1.4E-05	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 IRON-55 HALF-LIFE 2.37E 04 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	8.6E-04	5.3E-28	8.5E-14	4.2E-17	1.1E-17	3.9E-20	9.3E-09	4.8E-09	2.4E-09	7.9E-09
BLADDER WALL	1.3E-27	2.5E-05	3.2E-21	8.3E-13	6.5E-13	2.7E-10	9.0E-22	1.1E-21	7.0E-31	3.9E-10
BONE (TOTAL)	8.7E-10	5.0E-14	7.6E-11	4.2E-10	3.2E-10	8.5E-11	4.4E-10	1.1E-10	5.3E-11	7.6E-10
GI (STOM WALL)	2.8E-13	5.6E-21	1.9E-05	1.1E-09	4.1E-09	2.5E-11	2.7E-12	7.6E-10	1.1E-09	7.8E-11
GI (SI)	4.2E-17	3.0E-13	3.9E-10	1.3E-05	1.1E-08	4.8E-09	1.3E-11	3.2E-10	3.2E-20	1.4E-09
GI (ULI WALL)	2.3E-17	3.4E-13	1.6E-09	8.9E-07	2.2E-05	2.0E-08	1.5E-12	3.7E-10	5.0E-20	8.6E-09
GI (LLI WALL)	4.0E-20	6.7E-10	3.4E-12	5.5E-08	4.9E-09	3.6E-05	1.6E-14	5.4E-20	1.2E-22	1.3E-10
KIDNEYS	8.3E-09	3.0E-22	7.5E-13	9.7E-12	6.3E-13	8.4E-15	4.1E-05	1.7E-09	1.3E-13	2.8E-09
LIVER	5.4E-10	5.1E-22	4.2E-10	1.5E-10	3.1E-10	5.8E-20	8.7E-10	7.0E-06	1.4E-10	1.2E-09
LUNGS	6.3E-10	8.4E-32	3.5E-10	8.8E-21	7.8E-21	5.1E-20	7.0E-11	1.5E-10	1.2E-05	7.7E-09
MARROW (RED)	1.3E-09	5.6E-11	7.9E-11	1.8E-09	1.4E-09	3.6E-10	1.2E-09	1.2E-10	5.5E-11	4.0E-09
OTH TISS (MUSC)	7.9E-09	3.9E-10	7.8E-11	1.4E-09	1.5E-10	1.3E-10	2.8E-09	1.2E-09	7.7E-09	4.0E-07
OVARIES	3.9E-23	1.2E-11	3.9E-17	2.7E-08	4.0E-08	8.1E-08	7.3E-17	1.9E-17	1.0E-26	8.1E-09
PANCREAS	6.0E-11	7.2E-25	1.6E-08	5.2E-14	4.4E-14	3.4E-17	4.6E-11	2.9E-09	1.7E-11	4.7E-09
SKIN	1.3E-10	5.2E-11	2.7E-11	1.0E-10	1.7E-12	1.6E-10	3.3E-10	1.1E-10	9.3E-11	7.9E-09
SPLEEN	8.2E-10	5.2E-25	2.2E-10	4.2E-13	1.1E-13	3.0E-15	1.2E-08	1.4E-15	1.3E-09	2.3E-09
TESTES	1.4E-35	3.5E-12	6.7E-29	5.4E-21	2.4E-20	9.2E-13	8.6E-30	4.3E-29	1.7E-38	9.8E-11
THYROID	4.2E-29	1.2E-27	1.1E-28	8.5E-38	1.0E-37	2.1E-40	1.6E-32	2.5E-27	8.0E-15	6.6E-09
UTERUS (NONGRVD)	3.9E-24	7.7E-09	1.5E-18	2.7E-09	8.4E-12	1.0E-11	2.9E-18	3.4E-19	7.5E-28	4.0E-08
TOTAL BODY	1.8E-07	6.2E-08	8.7E-08	1.5E-07	1.1E-07	1.3E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.
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55Fe

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 IRON-55 HALF-LIFE 2.37E 04 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID				
			R MARROW	CORT BONE	TRA BONE							
ADRENALS	3.9E-23	6.0E-11	1.2E-09	8.0E-10	8.0E-10	2.1E-10	2.2E-10	1.4E-35	4.2E-30	1.9E-07		
BLADDER WALL	3.5E-11	1.8E-24	1.8E-13	4.5E-14	4.5E-14	4.2E-10	1.3E-24	9.8E-12	1.7E-27	1.8E-07		
BONE (TOTAL)	5.3E-11	7.4E-11	1.3E-07	2.2E-06	2.2E-06	3.6E-09	1.3E-11	1.4E-13	3.5E-12	1.6E-07		
GI (STOM WALL)	1.6E-16	4.5E-09	2.9E-10	2.9E-10	2.9E-10	5.4E-10	1.7E-09	2.7E-28	4.1E-28	1.8E-07		
GI (SI)	5.6E-09	5.1E-14	6.4E-10	3.0E-10	3.0E-10	1.3E-10	3.5E-13	5.3E-21	9.0E-38	1.8E-07		
GI (ULI WALL)	1.8E-08	7.6E-14	1.3E-09	4.2E-10	4.2E-10	2.5E-10	2.3E-13	2.7E-20	1.8E-37	1.8E-07		
GI (LLI WALL)	2.0E-08	2.8E-17	3.0E-09	1.3E-09	1.3E-09	1.1E-10	3.6E-15	2.6E-12	1.6E-40	1.8E-07		
KIDNEYS	7.3E-17	4.5E-11	4.9E-10	6.0E-10	6.0E-10	3.6E-10	1.4E-08	9.2E-30	1.7E-32	1.8E-07		
LIVER	2.1E-17	3.0E-10	1.7E-10	2.5E-10	2.5E-10	9.4E-11	1.4E-15	5.1E-29	2.5E-27	1.8E-07		
LUNGS	1.0E-28	5.4E-12	3.1E-10	3.3E-10	3.3E-10	1.6E-10	1.3E-09	4.4E-39	3.0E-16	1.8E-07		
MARROW (RED)	2.2E-10	1.5E-10	7.6E-06	1.9E-07	2.3E-07	3.2E-09	1.4E-11	6.4E-12	5.3E-12	1.8E-07		
OTH TISS (MUSC)	8.1E-09	4.7E-09	1.0E-09	7.6E-10	7.6E-10	7.9E-09	2.3E-09	9.8E-11	6.6E-09	1.8E-07		
OVARIES	1.2E-03	1.0E-20	1.7E-10	4.2E-11	4.2E-11	1.7E-14	1.9E-19	0.0	4.6E-26	1.9E-07		
PANCREAS	9.3E-21	1.4E-04	9.1E-11	7.7E-10	7.7E-10	2.8E-11	3.1E-09	1.9E-32	2.4E-29	1.8E-07		
SKIN	1.7E-14	1.4E-11	9.7E-10	9.8E-10	9.8E-10	4.5E-06	1.5E-11	2.9E-09	1.0E-09	1.8E-07		
SPLEEN	2.0E-19	2.9E-09	3.1E-10	1.3E-09	1.3E-09	3.3E-10	7.0E-05	2.6E-32	1.3E-29	1.9E-07		
TESTES	0.0	1.9E-32	4.9E-12	3.6E-14	3.6E-14	1.6E-09	2.4E-32	3.5E-04	4.9E-31	1.8E-07		
THYROID	4.5E-26	2.4E-29	2.1E-10	2.6E-10	2.6E-10	2.5E-09	1.2E-29	4.9E-31	6.2E-04	1.9E-07		
UTERUS (NONGRVD)	3.6E-09	3.3E-21	1.3E-12	1.8E-13	1.8E-13	1.0E-10	1.5E-21	0.0	1.2E-26	1.8E-07		
TOTAL BODY	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.7E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07		

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 IRON-59 HALF-LIFE 1.08E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	2.2E-02	2.1E-06	2.2E-05	9.6E-06	9.9E-06	4.1E-06	9.8E-05	3.8E-05	1.8E-05	1.2E-05
BLADDER WALL	2.2E-06	1.2E-03	4.0E-06	2.1E-05	1.6E-05	4.5E-05	3.9E-06	1.7E-06	8.0E-06	8.0E-07
BONE (TOTAL)	1.1E-05	4.5E-06	4.7E-06	6.3E-06	5.5E-06	8.0E-06	7.8E-06	5.8E-06	7.8E-06	9.2E-06
GI (STOM WALL)	2.3E-05	4.2E-06	9.1E-04	2.8E-05	2.7E-05	1.2E-05	2.5E-05	1.6E-05	1.6E-05	1.1E-05
GI (SI)	8.2E-06	2.2E-05	2.0E-05	5.5E-04	1.2E-04	7.0E-05	2.3E-05	1.3E-05	2.7E-06	1.2E-05
GI (ULI WALL)	8.7E-06	1.6E-05	2.6E-05	1.8E-04	9.1E-04	3.3E-05	2.3E-05	1.8E-05	3.6E-06	1.3E-05
GI (LLI WALL)	2.5E-06	5.4E-05	1.1E-05	5.4E-05	2.5E-05	1.3E-03	7.7E-06	2.6E-06	7.1E-07	1.4E-05
KIDNEYS	8.6E-05	3.5E-06	2.6E-05	2.5E-05	2.3E-05	7.7E-06	1.4E-03	3.0E-05	8.5E-06	1.2E-05
LIVER	3.8E-05	2.5E-06	1.6E-05	1.5E-05	2.0E-05	3.5E-06	3.0E-05	3.4E-04	1.9E-05	9.1E-06
LUNGS	1.9E-05	7.4E-07	1.4E-05	2.9E-06	3.5E-06	1.4E-06	8.0E-06	2.0E-05	3.6E-04	1.1E-05
MARROW (RED)	1.9E-05	9.2E-06	7.8E-06	1.9E-05	1.6E-05	2.4E-05	1.9E-05	8.2E-06	9.9E-06	1.0E-05
OTH TISS (MUSC)	1.2E-05	1.4E-05	1.1E-05	1.2E-05	1.2E-05	1.4E-05	1.2E-05	9.1E-06	1.1E-05	2.1E-05
OVARIES	3.1E-06	4.4E-05	1.1E-05	7.5E-05	5.5E-05	1.3E-04	1.2E-05	7.2E-06	1.5E-06	1.6E-05
PANCREAS	6.9E-05	2.3E-06	1.3E-04	1.5E-05	1.7E-05	5.7E-06	5.4E-05	3.3E-05	1.8E-05	1.4E-05
SKIN	6.2E-06	5.8E-06	5.1E-06	4.9E-06	4.7E-06	5.4E-06	5.6E-06	5.2E-06	5.8E-06	7.8E-06
SPLEEN	4.7E-05	2.0E-06	7.5E-05	1.3E-05	1.2E-05	8.5E-06	6.6E-05	8.8E-06	1.6E-05	1.2E-05
TESTES	7.9E-07	3.7E-05	1.5E-06	4.7E-06	4.2E-06	1.2E-05	1.5E-06	1.8E-06	3.3E-07	1.0E-05
THYROID	2.0E-06	1.6E-07	1.5E-06	4.9E-07	5.2E-07	2.6E-07	1.0E-06	1.7E-06	9.9E-06	1.1E-05
UTERUS (NONGRVD)	4.2E-06	1.1E-04	8.2E-06	6.6E-05	3.9E-05	4.5E-05	7.9E-06	4.0E-06	1.5E-06	1.9E-05
TOTAL BODY	1.7E-05	1.5E-05	1.5E-05	1.8E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.5E-05	1.5E-05

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59Fe

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)

IRON-59 HALF-LIFE 1.08E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY
			R MARROW	CORT BONE TRA BONE					
ADRENALS	4.6E-06	5.7E-05	2.2E-05	1.6E-05	7.1E-06	5.6E-05	7.9E-07	1.9E-06	2.2E-05
BLADDER WALL	5.6E-05	1.6E-06	9.6E-06	4.6E-06	6.7E-06	2.8E-06	4.1E-05	1.6E-07	2.0E-05
BONE (TOTAL)	7.1E-06	7.2E-06	2.6E-05	7.8E-05	7.1E-06	6.2E-06	5.3E-06	6.0E-06	1.5E-05
GI (STOM WALL)	7.0E-06	1.3E-04	9.6E-06	4.6E-06	5.5E-06	7.6E-05	8.2E-07	1.3E-06	1.6E-05
GI (SI)	8.8E-05	1.5E-05	2.0E-05	6.7E-06	5.0E-06	1.2E-05	4.5E-06	4.0E-07	1.9E-05
GI (ULI WALL)	8.4E-05	1.8E-05	1.5E-05	6.3E-06	5.2E-06	1.2E-05	3.3E-06	4.6E-07	1.8E-05
GI (LLI WALL)	1.1E-04	5.2E-06	2.3E-05	8.5E-06	5.4E-06	5.3E-06	1.9E-05	2.2E-07	1.9E-05
KIDNEYS	8.9E-06	4.8E-05	2.0E-05	9.3E-06	6.4E-06	6.5E-05	1.3E-06	1.2E-06	1.8E-05
LIVER	5.5E-06	3.2E-05	8.4E-06	6.0E-06	5.6E-06	8.9E-06	9.6E-07	1.7E-06	1.8E-05
LUNGS	1.4E-06	1.8E-05	1.0E-05	8.1E-06	6.0E-06	1.7E-05	3.1E-07	9.2E-06	1.5E-05
MARROW (RED)	2.3E-05	1.3E-05	2.0E-04	2.5E-05	6.6E-06	9.0E-06	4.1E-06	6.5E-06	1.6E-05
OTH TISS (MUSC)	1.6E-05	1.4E-05	1.1E-05	9.2E-06	7.8E-06	1.2E-05	1.0E-05	1.1E-05	1.5E-05
OVARIES	2.9E-02	7.7E-06	2.4E-05	7.6E-06	5.0E-06	4.8E-06	0.0	2.6E-07	1.7E-05
PANCREAS	6.7E-06	4.2E-03	9.6E-06	8.7E-06	4.3E-06	1.4E-04	1.0E-06	1.7E-06	1.7E-05
SKIN	4.7E-06	4.7E-06	6.3E-06	7.2E-06	1.1E-04	5.4E-06	1.3E-05	7.7E-06	1.2E-05
SPLEEN	4.8E-06	1.4E-04	8.4E-06	6.6E-06	6.0E-06	2.4E-03	5.6E-07	1.7E-06	1.7E-05
TESTES	0.0	1.1E-06	2.8E-06	5.8E-06	7.8E-06	1.0E-06	1.0E-02	7.2E-08	1.7E-05
THYROID	2.6E-07	8.4E-07	7.0E-06	6.2E-06	6.0E-06	1.5E-06	7.2E-08	1.6E-02	1.6E-05
UTERUS (NONGRVD)	1.3E-04	5.0E-06	1.3E-05	6.8E-06	6.1E-06	3.9E-06	0.0	2.5E-07	2.1E-05
TOTAL BODY	1.9E-05	1.9E-05	1.6E-05	1.5E-05	1.1E-05	1.7E-05	1.5E-05	1.4E-05	1.5E-05

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S. ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 COBALT-57 HALF-LIFE 6.48E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT CONTENTS			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS	LLI CONTENTS			
ADRENALS	3.7E-03	1.4E-07	2.8E-06	8.8E-07	9.1E-07	3.2E-07	4.3E-06	2.7E-06	1.4E-06
BLADDER WALL	1.4E-07	1.7E-04	2.8E-07	2.6E-06	2.2E-06	6.9E-06	1.6E-07	3.2E-08	1.7E-06
BONE (TOTAL)	2.0E-06	9.5E-07	9.4E-07	1.3E-06	1.2E-06	1.7E-06	1.2E-06	1.5E-06	9.5E-07
GI (STOM WALL)	2.9E-06	2.7E-07	1.3E-04	3.6E-06	3.7E-06	1.7E-06	1.8E-06	1.8E-06	1.2E-06
GI (SI)	8.1E-07	3.0E-06	2.7E-06	8.5E-05	1.6E-05	9.2E-06	1.6E-06	1.8E-07	1.5E-06
GI (ULI WALL)	9.2E-07	2.1E-06	3.5E-06	2.5E-05	1.3E-04	4.2E-06	2.5E-06	2.2E-07	1.6E-06
GI (LLI WALL)	2.1E-07	7.4E-06	1.1E-06	7.3E-06	3.2E-06	2.0E-04	2.2E-07	6.0E-08	1.6E-06
KIDNEYS	1.1E-05	2.6E-07	3.4E-06	3.2E-06	2.8E-06	8.2E-07	3.9E-06	8.3E-07	1.3E-06
LIVER	4.8E-06	1.6E-07	2.0E-06	1.8E-06	2.5E-06	2.4E-07	5.1E-05	2.4E-06	1.0E-06
LUNGS	2.4E-06	2.3E-08	1.7E-06	2.1E-07	2.6E-07	7.6E-08	2.5E-06	6.2E-05	1.3E-06
MARROW (RED)	3.7E-06	2.3E-06	1.7E-06	4.4E-06	3.8E-06	5.3E-06	1.7E-06	1.9E-06	2.1E-06
OTH TISS (MUSC)	1.4E-06	1.7E-06	1.4E-06	1.5E-06	1.4E-06	1.6E-06	1.0E-06	1.3E-06	2.9E-06
OVARIES	6.1E-07	7.1E-06	5.1E-07	1.1E-05	1.2E-05	1.7E-05	4.3E-07	8.6E-08	1.9E-06
PANCREAS	9.0E-06	2.1E-07	1.8E-05	2.0E-06	2.3E-06	7.5E-07	4.3E-06	2.6E-06	1.8E-06
SKIN	4.8E-07	5.4E-07	4.3E-07	4.0E-07	4.0E-07	4.7E-07	4.7E-07	5.1E-07	7.1E-07
SPLEEN	6.2E-06	7.8E-07	9.9E-06	1.5E-06	1.4E-06	8.0E-07	9.0E-07	2.3E-06	1.4E-06
TESTES	2.8E-08	4.6E-06	4.6E-08	2.9E-07	2.5E-07	1.7E-06	5.7E-08	6.7E-09	1.1E-06
THYROID	1.2E-07	1.7E-09	7.8E-08	1.3E-08	1.4E-08	4.5E-09	1.2E-07	9.3E-07	1.3E-06
UTERUS (NONGRVD)	6.9E-07	1.5E-05	7.5E-07	9.5E-06	5.4E-06	7.0E-06	3.8E-07	7.6E-08	2.4E-06
TOTAL BODY	2.3E-06	2.0E-06	2.0E-06	2.6E-06	2.3E-06	2.4E-06	2.4E-06	2.1E-06	2.0E-06

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(CONTINUED)

S. ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)

COBALT-57 HALF-LIFE 6.48E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	OVARIES	PANCREAS	SKELETON				SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY
			R. MARROW	CORT BONE	TRA	BONE					
ADRENALS	3.1E-07	9.2E-06	2.1E-06	1.0E-06	1.0E-06	6.2E-07	6.1E-06	2.8E-08	1.2E-07	2.4E-06	
BLADDER WALL	7.2E-06	1.4E-07	1.0E-06	5.2E-07	5.2E-07	4.7E-07	1.0E-07	4.7E-06	1.7E-09	2.3E-06	
BONE (TOTAL)	1.6E-06	1.5E-06	3.7E-06	1.3E-05	1.3E-05	1.0E-06	1.2E-06	9.5E-07	1.0E-06	2.7E-06	
GI (STOM WALL)	8.0E-07	1.7E-05	8.9E-07	5.4E-07	5.4E-07	5.3E-07	1.0E-05	2.8E-08	4.7E-08	2.3E-06	
GI (SI)	1.2E-05	1.8E-06	2.6E-06	7.2E-07	7.2E-07	4.4E-07	1.4E-06	3.4E-07	7.5E-09	2.6E-06	
GI (ULI WALL)	1.1E-05	2.1E-06	2.1E-06	6.7E-07	6.7E-07	4.6E-07	1.5E-06	2.9E-07	1.1E-08	2.6E-06	
GI (LLI WALL)	1.4E-05	5.6E-07	2.9E-06	1.0E-06	1.0E-06	4.7E-07	6.0E-07	2.7E-06	3.7E-09	2.4E-06	
KIDNEYS	9.0E-07	6.6E-06	2.2E-06	7.9E-07	7.9E-07	5.5E-07	9.0E-06	3.6E-08	3.2E-08	2.3E-06	
LIVER	5.2E-07	4.4E-06	8.9E-07	6.4E-07	6.4E-07	5.2E-07	9.6E-07	2.8E-08	8.6E-08	2.3E-06	
LUNGS	5.6E-08	2.5E-06	1.1E-06	9.2E-07	9.2E-07	5.6E-07	2.2E-06	5.2E-09	9.2E-07	2.1E-06	
MARROW (RED)	5.7E-06	2.9E-06	3.9E-05	4.6E-06	4.6E-06	9.7E-07	1.8E-06	7.4E-07	1.1E-06	3.1E-06	
OTH TISS (MUSC)	1.9E-06	1.8E-06	1.2E-06	9.5E-07	9.5E-07	7.1E-07	1.4E-06	1.1E-06	1.3E-06	2.0E-06	
OVARIES	5.2E-03	4.3E-07	3.4E-06	7.0E-07	7.0E-07	3.5E-07	3.5E-07	0.0	4.1E-09	2.5E-06	
PANCREAS	5.0E-07	7.2E-04	1.7E-06	7.8E-07	7.8E-07	4.0E-07	1.8E-05	4.9E-08	6.1E-08	2.5E-06	
SKIN	3.9E-07	3.9E-07	5.6E-07	6.3E-07	6.3E-07	1.9E-05	4.5E-07	1.3E-06	7.0E-07	1.4E-06	
SPLEEN	4.7E-07	1.9E-05	9.1E-07	5.6E-07	5.6E-07	5.3E-07	3.9E-04	1.7E-08	1.0E-07	2.3E-06	
TESTES	0.0	4.9E-08	4.9E-07	6.4E-07	6.4E-07	8.4E-07	4.3E-08	1.7E-03	4.0E-10	1.8E-06	
THYROID	4.1E-09	1.1E-07	6.6E-07	7.4E-07	7.4E-07	6.7E-07	7.9E-08	4.1E-10	2.8E-03	1.6E-06	
UTERUS (NONGRVD)	2.0E-05	4.9E-07	2.1E-06	5.5E-07	5.5E-07	4.0E-07	4.0E-07	0.0	3.8E-09	2.7E-06	
TOTAL BODY	2.7E-06	2.7E-06	2.3E-06	2.1E-06	2.1E-06	1.4E-06	2.4E-06	2.0E-06	1.9E-06	2.1E-06	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 COBALT-58 HALF-LIFE 1.71E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	8.8E-03	1.7E-06	1.5E-05	8.4E-06	8.0E-06	3.5E-06	3.4E-05	1.7E-05	1.1E-05
BLADDER WALL	1.3E-06	6.9E-04	3.4E-06	1.9E-05	1.4E-05	3.7E-05	1.8E-06	5.9E-07	1.2E-05
BONE (TOTAL)	9.4E-06	4.0E-06	4.1E-06	5.4E-06	4.9E-06	7.1E-06	5.0E-06	6.9E-06	7.8E-06
GI (STOM WALL)	2.1E-05	3.1E-06	5.1E-04	2.4E-05	2.5E-05	1.2E-05	1.3E-05	1.3E-05	9.8E-06
GI (SI)	6.7E-06	1.9E-05	1.8E-05	3.1E-04	1.1E-04	6.1E-05	1.1E-05	2.1E-06	1.1E-05
GI (ULI WALL)	7.7E-06	1.5E-05	2.2E-05	1.6E-04	4.7E-04	2.8E-05	1.7E-05	2.8E-06	1.1E-05
GI (LLI WALL)	2.1E-06	4.7E-05	9.3E-06	4.7E-05	2.2E-05	6.3E-04	2.1E-06	6.2E-07	1.2E-05
KIDNEYS	7.8E-05	2.6E-06	2.3E-05	2.2E-05	1.9E-05	6.2E-06	2.6E-05	7.1E-06	1.0E-05
LIVER	3.3E-05	2.1E-06	1.4E-05	1.3E-05	1.7E-05	2.6E-06	2.2E-04	1.7E-05	7.8E-06
LUNGS	1.6E-05	4.7E-07	1.3E-05	2.4E-06	2.7E-06	9.5E-07	1.7E-05	1.8E-04	9.3E-06
MARROW (RED)	1.7E-05	8.4E-06	7.0E-06	1.7E-05	1.4E-05	2.1E-05	1.7E-05	8.7E-06	9.4E-06
OPH TISS (MUSC)	1.1E-05	1.2E-05	9.8E-06	1.1E-05	1.0E-05	1.2E-05	1.0E-05	9.3E-06	1.3E-05
OVARIES	3.8E-06	3.6E-05	7.2E-06	6.7E-05	6.9E-05	1.1E-04	9.8E-06	1.2E-06	1.4E-05
PANCREAS	5.9E-05	2.0E-06	1.2E-04	1.4E-05	1.4E-05	5.2E-06	4.7E-05	1.7E-05	1.2E-05
SKIN	5.0E-06	4.8E-06	4.3E-06	3.9E-06	3.9E-06	4.3E-06	4.3E-06	4.8E-06	6.6E-06
SPLEEN	4.3E-05	1.7E-06	6.6E-05	1.1E-05	9.1E-06	7.1E-06	5.8E-05	1.5E-05	1.0E-05
TESTES	5.7E-07	3.4E-05	7.1E-07	3.2E-06	3.8E-06	1.2E-05	1.1E-06	2.2E-07	8.7E-06
THYROID	1.5E-06	9.5E-08	1.2E-06	3.4E-07	3.6E-07	1.6E-07	7.5E-07	9.2E-06	9.6E-06
UTERUS (NONGRVD)	3.1E-06	1.0E-04	6.6E-06	5.9E-05	3.2E-05	3.9E-05	5.9E-06	7.8E-07	1.6E-05
TOTAL BODY	1.3E-05	1.3E-05	1.3E-05	1.4E-05	1.4E-05	1.4E-05	1.3E-05	1.1E-05	1.1E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)

COBALT-58 HALF-LIFE 1.71E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	4.1E-06	5.2E-05	1.7E-05	1.3E-05	1.3E-05	5.3E-06	4.6E-05	5.7E-07	1.5E-06		1.5E-05
BLADDER WALL	4.8E-05	1.1E-06	6.4E-06	3.8E-06	3.8E-06	5.0E-06	1.8E-06	3.6E-05	9.6E-08		1.5E-05
BONE (TOTAL)	6.3E-06	6.3E-06	1.9E-05	3.9E-05	3.5E-05	6.0E-06	5.3E-06	4.6E-06	5.2E-06		1.1E-05
GI (STOM WALL)	5.6E-06	1.2E-04	7.7E-06	3.9E-06	3.9E-06	4.7E-06	6.6E-05	7.0E-07	9.5E-07		1.3E-05
GI (SI)	7.9E-05	1.2E-05	1.8E-05	5.8E-06	5.8E-06	4.1E-06	9.7E-06	3.8E-06	1.8E-07		1.5E-05
GI (ULI WALL)	7.5E-05	1.5E-05	1.4E-05	5.2E-06	5.2E-06	4.4E-06	9.8E-06	2.6E-06	2.0E-07		1.4E-05
GI (ILI WALL)	9.5E-05	3.9E-06	2.1E-05	7.1E-06	7.1E-06	4.5E-06	4.6E-06	1.8E-05	1.4E-07		1.5E-05
KIDNEYS	7.9E-06	4.2E-05	1.7E-05	7.5E-06	7.5E-06	5.4E-06	5.7E-05	9.0E-07	6.2E-07		1.4E-05
LIVER	4.5E-06	2.8E-05	7.1E-06	5.0E-06	5.0E-06	4.8E-06	7.5E-06	5.7E-07	1.3E-06		1.4E-05
LUNGS	9.8E-07	1.6E-05	8.5E-06	6.9E-06	6.9E-06	4.9E-06	1.5E-05	1.6E-07	7.8E-06		1.1E-05
MARROW (RED)	2.1E-05	1.2E-05	9.1E-05	2.2E-05	3.8E-05	5.6E-06	7.8E-06	3.6E-06	5.7E-06		1.2E-05
OTH TISS (MUSC)	1.4E-05	1.2E-05	9.2E-06	7.8E-06	7.8E-06	6.6E-06	1.0E-05	8.7E-06	9.6E-06		1.1E-05
OVARIES	1.2E-02	5.1E-06	2.2E-05	7.2E-06	7.2E-06	3.3E-06	5.5E-06	0.0	1.7E-07		1.2E-05
PANCREAS	5.3E-06	2.3E-03	9.9E-06	6.7E-06	6.7E-06	3.8E-06	1.3E-04	5.3E-07	4.6E-07		1.3E-05
SKIN	3.9E-06	3.8E-06	5.3E-06	6.1E-06	6.1E-06	4.4E-05	4.5E-06	1.1E-05	6.3E-06		7.6E-06
SPLEEN	4.6E-06	1.3E-04	6.6E-06	6.1E-06	6.1E-06	5.2E-06	1.3E-03	6.8E-07	1.2E-06		1.3E-05
TESTES	0.0	6.8E-07	3.1E-06	4.4E-06	4.4E-06	6.2E-06	7.5E-07	4.7E-03	3.9E-08		1.4E-05
THYROID	1.7E-07	7.5E-07	6.6E-06	5.6E-06	5.6E-06	5.5E-06	1.1E-06	3.9E-08	7.2E-03		1.2E-05
UTERUS (NONGRVD)	1.2E-04	4.3E-06	1.2E-05	5.4E-06	5.4E-06	4.8E-06	3.9E-06	0.0	1.6E-07		1.6E-05
TOTAL BODY	1.5E-05	1.5E-05	1.2E-05	1.1E-05	1.1E-05	7.7E-06	1.3E-05	1.1E-05	1.0E-05		1.1E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 COBALT-60 HALF-LIFE 4.61E 04 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	2.2E-02	4.5E-06	5.0E-05	2.0E-05	2.0E-04	7.8E-05	3.6E-05	2.6E-05	
BLADDER WALL	4.6E-06	1.7E-03	8.3E-06	4.7E-05	8.1E-06	3.8E-06	1.7E-06	3.0E-05	
BONE (TOTAL)	2.2E-05	9.3E-06	9.8E-06	1.3E-05	1.6E-05	1.2E-05	1.6E-05	1.9E-05	
GI (STOM WALL)	4.7E-05	8.4E-06	1.2E-03	5.9E-05	5.1E-05	3.3E-05	3.3E-05	2.4E-05	
GI (SI)	1.8E-05	4.5E-05	4.1E-05	7.5E-04	4.8E-05	2.7E-05	5.7E-06	2.6E-05	
GI (ULI WALL)	1.8E-05	3.3E-05	5.7E-05	3.7E-04	4.9E-05	3.8E-05	7.6E-06	2.7E-05	
GI (LLI WALL)	5.6E-06	1.1E-04	2.4E-05	1.1E-04	1.7E-05	5.7E-06	1.4E-06	2.8E-05	
KIDNEYS	1.8E-04	7.7E-06	5.4E-05	5.0E-05	1.8E-03	6.2E-05	1.8E-05	2.4E-05	
LIVER	7.9E-05	5.3E-06	3.3E-05	3.1E-05	6.3E-05	5.3E-04	4.0E-05	1.9E-05	
LUNGS	4.0E-05	1.6E-06	3.0E-05	6.0E-06	1.7E-05	4.2E-05	4.4E-04	2.2E-05	
NARROW (RED)	3.9E-05	1.9E-05	1.6E-05	4.0E-05	4.0E-05	1.7E-05	2.1E-05	2.2E-05	
OTH TISS (MUSC)	2.6E-05	3.0E-05	2.4E-05	2.6E-05	2.4E-05	1.9E-05	2.2E-05	3.3E-05	
OVARIES	5.4E-06	9.9E-05	2.1E-05	1.5E-04	2.8E-04	1.6E-05	3.1E-06	3.3E-05	
PANCREAS	1.4E-04	4.8E-06	2.7E-04	3.1E-05	1.1E-04	6.8E-05	3.9E-05	3.0E-05	
SKIN	1.3E-05	1.2E-05	1.1E-05	9.9E-06	1.2E-05	1.1E-05	1.2E-05	1.6E-05	
SPLEEN	9.7E-05	4.0E-06	1.6E-04	2.8E-05	1.4E-04	1.8E-05	3.3E-05	2.5E-05	
TESTES	1.7E-06	7.6E-05	3.1E-06	9.9E-06	3.1E-06	3.6E-06	7.1E-07	2.1E-05	
THYROID	4.2E-06	3.5E-07	3.1E-06	1.1E-06	2.1E-06	3.6E-06	2.0E-05	2.3E-05	
UTERUS (NONGRVD)	8.5E-06	2.3E-04	1.7E-05	1.4E-04	1.7E-05	9.0E-06	3.6E-06	3.8E-05	
TOTAL BODY	3.1E-05	3.1E-05	3.1E-05	3.3E-05	3.1E-05	3.1E-05	2.7E-05	2.7E-05	

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 DATE OF ISSUE-05-13-75

60Co

(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
COBALT-60 HALF-LIFE 4.61E 04 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID				
			R MARROW	CORT	BONE	TRA	BONE					
ADRENALS	9.5E-06	1.2E-04	4.4E-05	3.4E-05	3.4E-05	1.5E-05	1.1E-04	1.7E-06	3.9E-06	3.9E-06	4.5E-05	
BLADDER WALL	1.2E-04	3.9E-06	2.0E-05	1.1E-05	1.1E-05	1.4E-05	5.7E-06	8.3E-05	3.5E-07	3.5E-07	3.6E-05	
BONE (TOTAL)	1.5E-05	1.5E-05	4.3E-05	9.7E-05	8.9E-05	1.5E-05	1.3E-05	1.1E-05	1.3E-05	1.3E-05	2.7E-05	
GI (STOM WALL)	1.5E-05	2.8E-04	2.0E-05	9.8E-06	9.8E-06	1.1E-05	1.6E-04	1.8E-06	3.0E-06	3.0E-06	2.8E-05	
GI (SI)	1.8E-04	3.1E-05	4.2E-05	1.4E-05	1.4E-05	1.1E-05	2.5E-05	9.5E-06	8.8E-07	8.8E-07	3.5E-05	
GI (ULI WALL)	1.7E-04	3.7E-05	3.2E-05	1.3E-05	1.3E-05	1.1E-05	2.5E-05	6.8E-06	1.0E-06	1.0E-06	3.3E-05	
GI (LLI WALL)	2.2E-04	1.1E-05	4.8E-05	1.8E-05	1.8E-05	1.1E-05	1.1E-05	4.1E-05	4.8E-07	4.8E-07	3.6E-05	
KIDNEYS	1.9E-05	1.0E-04	4.2E-05	1.9E-05	1.9E-05	1.3E-05	1.4E-04	2.9E-06	2.7E-06	2.7E-06	3.2E-05	
LIVER	1.2E-05	6.7E-05	1.8E-05	1.3E-05	1.3E-05	1.2E-05	1.9E-05	2.1E-06	3.7E-06	3.7E-06	3.2E-05	
LUNGS	2.9E-06	3.8E-05	2.1E-05	1.7E-05	1.7E-05	1.3E-05	3.5E-05	7.0E-07	1.9E-05	1.9E-05	2.6E-05	
MARROW (RED)	4.8E-05	2.8E-05	2.4E-04	5.2E-05	7.8E-05	1.4E-05	1.9E-05	8.5E-06	1.4E-05	1.4E-05	2.9E-05	
OTH TISS (MUSC)	3.3E-05	3.0E-05	2.2E-05	1.9E-05	1.9E-05	1.6E-05	2.5E-05	2.1E-05	2.3E-05	2.3E-05	2.7E-05	
OVARIES	3.1E-02	1.6E-05	5.3E-05	1.6E-05	1.6E-05	1.0E-05	1.0E-05	0.0	5.7E-07	5.7E-07	3.2E-05	
PANCREAS	1.3E-05	5.5E-03	2.0E-05	1.9E-05	1.9E-05	9.1E-06	2.9E-04	2.2E-06	4.6E-06	4.6E-06	3.0E-05	
SKIN	9.7E-06	9.8E-06	1.3E-05	1.5E-05	1.5E-05	1.1E-04	1.1E-05	2.7E-05	1.6E-05	1.6E-05	2.0E-05	
SPLEEN	9.7E-06	3.0E-04	1.7E-05	1.3E-05	1.3E-05	1.2E-05	3.2E-03	1.2E-06	3.6E-06	3.6E-06	3.1E-05	
TESTES	0.0	2.3E-06	5.2E-06	1.2E-05	1.2E-05	1.6E-05	2.1E-06	1.2E-02	1.6E-07	1.6E-07	3.1E-05	
THYROID	5.7E-07	2.2E-06	1.4E-05	1.5E-05	1.5E-05	1.3E-05	3.1E-06	1.6E-07	1.8E-02	1.8E-02	2.8E-05	
UTERUS (NONGRVD)	2.7E-04	1.0E-05	2.8E-05	1.4E-05	1.4E-05	1.2E-05	7.2E-06	0.0	5.5E-07	5.5E-07	3.7E-05	
TOTAL BODY	3.6E-05	3.5E-05	3.0E-05	2.7E-05	2.7E-05	1.9E-05	3.1E-05	2.7E-05	2.5E-05	2.5E-05	2.7E-05	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
COPPER-62 HALF-LIFE 0.162 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	2.0E-01	1.7E-06	1.6E-05	9.1E-06	7.5E-06	3.7E-06	9.2E-05	3.6E-05	1.8E-05	1.1E-05
BLADDER WALL	8.2E-07	7.4E-03	3.4E-06	2.5E-05	1.4E-05	4.1E-05	2.8E-06	2.6E-06	5.5E-07	1.3E-05
BONE (TOTAL)	1.0E-05	4.3E-06	4.5E-06	5.8E-06	5.3E-06	7.7E-06	7.3E-06	5.4E-06	7.4E-06	8.2E-06
GI (STOM WALL)	2.2E-05	2.4E-06	5.8E-03	2.5E-05	2.7E-05	1.3E-05	2.5E-05	1.4E-05	1.4E-05	1.0E-05
GI (SI)	7.1E-06	1.9E-05	1.9E-05	3.6E-03	1.2E-04	6.6E-05	2.0E-05	1.2E-05	2.1E-06	1.1E-05
GI (ULI WALL)	7.7E-06	1.7E-05	2.4E-05	1.7E-04	6.5E-03	3.1E-05	2.1E-05	1.9E-05	2.8E-06	1.2E-05
GI (LLI WALL)	2.6E-06	5.2E-05	9.4E-06	5.0E-05	2.2E-05	1.0E-02	6.5E-06	2.4E-06	5.8E-07	1.3E-05
KIDNEYS	8.5E-05	2.9E-06	2.4E-05	2.3E-05	2.0E-05	6.1E-06	9.3E-03	2.8E-05	7.7E-06	1.1E-05
LIVER	3.6E-05	2.1E-06	1.5E-05	1.3E-05	1.8E-05	2.6E-06	2.9E-05	1.7E-03	1.8E-05	8.2E-06
LUNGS	1.7E-05	3.6E-07	1.4E-05	2.5E-06	2.5E-06	7.6E-07	7.0E-06	1.8E-05	2.8E-03	9.9E-06
MARROW (RED)	1.8E-05	9.3E-06	7.7E-06	1.8E-05	1.6E-05	2.3E-05	1.8E-05	8.0E-06	9.3E-06	1.0E-05
OPH TISS (MUSC)	1.1E-05	1.3E-05	1.0E-05	1.1E-05	1.1E-05	1.3E-05	1.1E-05	8.2E-06	9.9E-06	1.1E-04
OVARIES	4.0E-06	4.6E-05	3.8E-06	6.4E-05	9.3E-05	1.2E-04	8.6E-06	1.5E-06	1.1E-06	1.5E-05
PANCREAS	6.2E-05	1.9E-06	1.3E-04	1.5E-05	1.3E-05	5.5E-06	4.8E-05	3.5E-05	2.1E-05	1.3E-05
SKIN	5.0E-06	4.8E-06	4.4E-06	3.9E-06	4.1E-06	4.4E-06	4.9E-06	4.5E-06	5.0E-06	6.7E-06
SPLEEN	4.7E-05	1.7E-06	7.0E-05	1.2E-05	9.1E-06	7.0E-06	6.1E-05	7.4E-06	1.6E-05	1.1E-05
TESTES	5.3E-07	3.8E-05	2.0E-07	2.7E-06	3.8E-06	1.5E-05	1.1E-06	8.7E-07	1.8E-07	9.2E-06
THYROID	1.5E-06	7.2E-08	1.1E-06	3.0E-07	3.2E-07	1.4E-07	7.1E-07	1.4E-06	8.9E-06	1.0E-05
UTERUS (NONGRVD)	2.8E-06	1.1E-04	6.6E-06	6.4E-05	3.3E-05	4.1E-05	6.2E-06	3.2E-06	7.1E-07	1.4E-05
TOTAL BODY	5.1E-05	1.8E-05	2.5E-05	4.6E-05	3.3E-05	3.7E-05	5.1E-05	5.1E-05	5.0E-05	5.0E-05

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(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 COPPER-62 HALF-LIFE 0.162 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID				
			R MARROW	CORT BONE	TRA BONE							
ADRENALS	4.5E-06	6.2E-05	1.3E-05	1.3E-05	1.3E-05	4.9E-06	4.5E-05	5.3E-07	1.5E-06	5.6E-05		
BLADDER WALL	4.9E-05	1.5E-06	5.0E-06	4.9E-06	4.9E-06	4.7E-06	1.0E-06	3.8E-05	7.2E-08	5.2E-05		
BONE (TOTAL)	6.8E-06	6.8E-06	1.7E-04	3.4E-04	3.4E-04	6.3E-06	5.7E-06	4.9E-06	5.6E-06	5.0E-05		
GI (STOM WALL)	6.2E-06	1.3E-04	7.3E-06	4.3E-06	4.3E-06	4.8E-06	7.2E-05	8.7E-07	9.5E-07	5.2E-05		
GI (SI)	8.7E-05	1.3E-05	2.0E-05	5.9E-06	5.9E-06	4.1E-06	1.0E-05	4.0E-06	6.1E-08	5.4E-05		
GI (ULI WALL)	8.2E-05	1.6E-05	1.5E-05	5.2E-06	5.2E-06	4.3E-06	1.0E-05	2.4E-06	8.6E-08	5.3E-05		
GI (LLI WALL)	1.0E-04	3.9E-06	2.3E-05	7.0E-06	7.0E-06	4.5E-06	5.2E-06	2.1E-05	1.1E-07	5.4E-05		
KIDNEYS	8.4E-06	4.6E-05	1.8E-05	6.8E-06	6.8E-06	5.6E-06	6.3E-05	7.6E-07	3.8E-07	5.2E-05		
LIVER	4.5E-06	3.0E-05	7.5E-06	5.2E-06	5.2E-06	5.0E-06	7.9E-06	3.9E-07	1.2E-06	5.2E-05		
LUNGS	8.4E-07	1.8E-05	8.9E-06	7.3E-06	7.3E-06	5.0E-06	1.6E-05	1.1E-07	7.9E-06	5.0E-05		
MARROW (RED)	2.3E-05	1.3E-05	1.2E-03	6.8E-05	8.0E-04	5.8E-06	8.4E-06	3.9E-06	6.2E-06	5.1E-05		
OTH TISS (MUSC)	1.5E-05	1.3E-05	9.7E-06	8.2E-06	8.2E-06	6.7E-06	1.1E-05	9.2E-06	1.0E-05	5.0E-05		
OVARIES	2.5E-01	2.9E-06	2.7E-05	8.0E-06	8.0E-06	2.3E-06	7.8E-06	0.0	1.4E-07	5.1E-05		
PANCREAS	4.1E-06	2.9E-02	1.3E-05	6.7E-06	6.7E-06	4.3E-06	1.4E-04	2.9E-07	5.1E-07	5.2E-05		
SKIN	3.9E-06	3.8E-06	5.5E-06	6.4E-06	6.4E-06	1.1E-03	4.7E-06	1.2E-05	6.4E-06	4.6E-05		
SPLEEN	5.1E-06	1.4E-04	6.0E-06	6.2E-06	6.2E-06	4.9E-06	1.6E-02	9.6E-07	9.6E-07	5.2E-05		
TESTES	0.0	4.8E-07	3.2E-06	4.3E-06	4.3E-06	6.1E-06	7.1E-07	8.0E-02	2.6E-08	5.3E-05		
THYROID	1.4E-07	1.4E-06	6.7E-06	8.2E-06	8.2E-06	6.2E-06	1.1E-06	2.6E-08	1.4E-01	5.0E-05		
UTERUS (NONGRVD)	1.3E-04	4.6E-06	1.4E-05	4.3E-06	4.3E-06	4.2E-06	3.5E-06	0.0	1.3E-07	5.2E-05		
TOTAL BODY	5.4E-05	5.3E-05	5.1E-05	5.0E-05	5.0E-05	4.6E-05	5.1E-05	4.9E-05	4.9E-05	5.0E-05		

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 COPPER-64 HALF-LIFE 12.8 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	2.1E-02	3.5E-07	3.2E-06	1.9E-06	1.5E-06	7.4E-07	1.9E-05	7.3E-06	3.6E-06	2.3E-06
BLADDER WALL	1.7E-07	8.1E-04	6.9E-07	5.1E-06	2.8E-06	8.4E-06	5.8E-07	5.1E-07	1.1E-07	2.7E-06
BONE (TOTAL)	2.0E-06	8.8E-07	9.1E-07	1.2E-06	1.1E-06	1.6E-06	1.5E-06	1.1E-06	1.5E-06	1.7E-06
GI (STOM WALL)	4.4E-06	5.0E-07	6.3E-04	5.1E-06	5.4E-06	2.7E-06	5.0E-06	2.8E-06	2.8E-06	2.1E-06
GI (SI)	1.4E-06	3.9E-06	3.9E-06	4.0E-04	2.4E-05	1.3E-05	4.1E-06	2.4E-06	4.2E-07	2.3E-06
GI (ULI WALL)	1.6E-06	3.5E-06	4.9E-06	3.5E-05	7.0E-04	6.3E-06	4.3E-06	3.8E-06	5.8E-07	2.4E-06
GI (LLI WALL)	5.3E-07	1.1E-05	1.9E-06	1.0E-05	4.5E-06	1.1E-03	1.3E-06	4.9E-07	1.2E-07	2.5E-06
KIDNEYS	1.7E-05	5.9E-07	4.9E-06	4.7E-06	4.1E-06	1.2E-06	1.0E-03	5.6E-06	1.6E-06	2.2E-06
LIVER	7.3E-06	4.3E-07	3.1E-06	2.7E-06	3.7E-06	5.3E-07	6.0E-06	1.9E-04	3.6E-06	1.7E-06
LUNGS	3.5E-06	7.6E-08	2.8E-06	5.1E-07	5.2E-07	1.6E-07	1.4E-06	3.6E-06	3.0E-04	2.0E-06
MARROW (RED)	3.7E-06	1.9E-06	1.6E-06	3.7E-06	3.2E-06	4.7E-06	3.7E-06	1.6E-06	1.9E-06	2.1E-06
OTH TISS (MUSC)	2.3E-06	2.7E-06	2.1E-06	2.3E-06	2.2E-06	2.5E-06	2.2E-06	1.7E-06	2.0E-06	1.2E-05
OVARIES	8.0E-07	9.4E-06	8.1E-07	1.3E-05	1.9E-05	2.4E-05	1.8E-06	3.5E-07	2.3E-07	3.0E-06
PANCREAS	1.3E-05	3.9E-07	2.6E-05	3.1E-06	2.7E-06	1.1E-06	9.8E-06	7.2E-06	4.2E-06	2.7E-06
SKIN	1.0E-06	9.8E-07	8.9E-07	8.0E-07	8.4E-07	8.9E-07	1.0E-06	9.1E-07	1.0E-06	1.4E-06
SPLEEN	9.6E-06	3.4E-07	1.4E-05	2.4E-06	1.9E-06	1.4E-06	1.2E-05	1.5E-06	3.2E-06	2.2E-06
TESTES	1.1E-07	7.6E-06	4.9E-08	5.6E-07	7.7E-07	3.1E-06	2.3E-07	1.8E-07	3.8E-08	1.9E-06
THYROID	3.0E-07	1.5E-08	2.3E-07	6.2E-08	6.6E-08	2.8E-08	1.5E-07	2.8E-07	1.8E-06	2.1E-06
UTERUS (NONGRVD)	5.7E-07	2.2E-05	1.4E-06	1.3E-05	6.7E-06	8.3E-06	1.3E-06	6.7E-07	1.5E-07	2.9E-06
TOTAL BODY	6.5E-06	3.3E-06	3.9E-06	6.1E-06	4.8E-06	5.2E-06	6.5E-06	6.6E-06	6.2E-06	6.2E-06

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 DATE OF ISSUE-05-13-75

64Cu

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)

COPPER-64 HALF-LIFE 12.8 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID				
			R MARROW	CORT BONE	TRA	BONE						
ADRENALS	9.1E-07	1.3E-05	2.6E-06	2.6E-06	2.6E-06	2.6E-06	1.0E-06	9.1E-06	1.1E-07	3.0E-07	7.5E-06	
BLADDER WALL	1.0E-05	3.0E-07	1.0E-06	9.9E-07	9.9E-07	9.9E-07	9.6E-07	2.1E-07	7.6E-06	1.5E-08	6.7E-06	
BONE (TOTAL)	1.4E-06	1.4E-06	1.6E-05	6.1E-05	4.2E-05	4.2E-05	1.3E-06	1.2E-06	9.9E-07	1.1E-06	6.2E-06	
GI (STOM WALL)	1.3E-06	2.5E-05	1.5E-06	8.8E-07	8.8E-07	8.8E-07	9.8E-07	1.5E-05	1.8E-07	2.0E-07	6.7E-06	
GI (SI)	1.8E-05	2.6E-06	4.0E-06	1.2E-06	1.2E-06	1.2E-06	8.3E-07	2.1E-06	8.1E-07	1.4E-08	7.0E-06	
GI (ULI WALL)	1.7E-05	3.2E-06	3.1E-06	1.1E-06	1.1E-06	1.1E-06	8.8E-07	2.1E-06	4.9E-07	2.0E-08	6.9E-06	
GI (LLI WALL)	2.1E-05	8.1E-07	4.6E-06	1.4E-06	1.4E-06	1.4E-06	9.1E-07	1.0E-06	4.2E-06	2.4E-08	7.0E-06	
KIDNEYS	1.7E-06	9.3E-06	3.6E-06	1.4E-06	1.4E-06	1.4E-06	1.1E-06	1.3E-05	1.6E-07	8.3E-08	6.6E-06	
LIVER	9.2E-07	6.1E-06	1.5E-06	1.1E-06	1.1E-06	1.1E-06	1.0E-06	1.6E-06	8.3E-08	2.4E-07	6.6E-06	
LUNGS	1.7E-07	3.6E-06	1.8E-06	1.5E-06	1.5E-06	1.5E-06	1.0E-06	3.3E-06	2.4E-08	1.6E-06	6.3E-06	
MARROW (RED)	4.6E-06	2.6E-06	1.5E-04	5.8E-06	6.8E-05	6.8E-05	1.2E-06	1.7E-06	7.9E-07	1.3E-06	6.5E-06	
OTH TISS (MUSC)	3.0E-06	2.7E-06	2.0E-06	1.7E-06	1.7E-06	1.7E-06	1.4E-06	2.2E-06	1.9E-06	2.1E-06	6.2E-06	
OVARIES	2.7E-02	6.1E-07	5.4E-06	1.6E-06	1.6E-06	1.6E-06	4.7E-07	1.6E-06	0.0	2.8E-08	6.6E-06	
PANCREAS	8.5E-07	3.1E-03	2.5E-06	1.4E-06	1.4E-06	1.4E-06	8.8E-07	2.9E-05	6.3E-08	1.2E-07	6.6E-06	
SKIN	7.9E-07	7.7E-07	1.1E-06	1.3E-06	1.3E-06	1.3E-06	1.1E-04	9.5E-07	2.4E-06	1.3E-06	5.4E-06	
SPLEEN	1.0E-06	2.9E-05	1.2E-06	1.3E-06	1.3E-06	1.3E-06	1.0E-06	1.8E-03	1.9E-07	2.0E-07	6.7E-06	
TESTES	0.0	1.0E-07	6.4E-07	8.7E-07	8.7E-07	8.7E-07	1.3E-06	1.5E-07	8.5E-03	5.6E-09	6.8E-06	
THYROID	2.8E-08	2.8E-07	1.4E-06	1.7E-06	1.7E-06	1.7E-06	1.3E-06	2.3E-07	5.6E-09	1.5E-02	6.2E-06	
UTERUS (NONGRVD)	2.7E-05	9.4E-07	2.8E-06	8.8E-07	8.8E-07	8.8E-07	8.7E-07	7.0E-07	0.0	2.7E-08	6.6E-06	
TOTAL BODY	7.0E-06	6.9E-06	6.4E-06	6.2E-06	6.2E-06	6.2E-06	5.4E-06	6.5E-06	6.1E-06	6.0E-06	6.2E-06	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
COPPER-67 HALF-LIFE 61.7 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	2.4E-02	1.5E-07	2.3E-06	1.1E-06	8.1E-07	3.6E-07	9.3E-06	4.2E-06	2.3E-06	1.3E-06
BLADDER WALL	1.1E-07	9.0E-04	2.2E-07	2.3E-06	1.9E-06	6.0E-06	2.6E-07	1.4E-07	3.8E-08	1.6E-06
BONE (TOTAL)	1.6E-06	7.5E-07	7.4E-07	1.0E-06	9.2E-07	1.3E-06	1.2E-06	9.2E-07	1.2E-06	8.9E-07
GI (STOM WALL)	2.6E-06	2.4E-07	7.1E-04	3.3E-06	3.3E-06	1.6E-06	3.1E-06	1.7E-06	1.6E-06	1.2E-06
GI (SI)	7.4E-07	2.6E-06	2.4E-06	4.5E-04	1.5E-05	8.3E-06	2.6E-06	1.5E-06	1.7E-07	1.4E-06
GI (ULI WALL)	8.2E-07	2.0E-06	3.2E-06	2.1E-05	8.0E-04	3.7E-06	2.6E-06	2.2E-06	2.0E-07	1.4E-06
GI (LLI WALL)	2.0E-07	6.5E-06	1.1E-06	6.4E-06	2.7E-06	1.3E-03	6.9E-07	2.0E-07	7.9E-08	1.5E-06
KIDNEYS	1.0E-05	2.4E-07	3.1E-06	2.8E-06	2.5E-06	8.0E-07	1.1E-03	3.5E-06	7.6E-07	1.2E-06
LIVER	4.4E-06	1.7E-07	1.8E-06	1.6E-06	2.3E-06	2.3E-07	3.4E-06	2.1E-04	2.2E-06	9.5E-07
LUNGS	2.2E-06	2.2E-08	1.5E-06	2.1E-07	2.3E-07	7.2E-08	7.5E-07	2.2E-06	3.5E-04	1.1E-06
MARROW (RED)	3.0E-06	1.8E-06	1.3E-06	3.4E-06	3.0E-06	4.1E-06	3.1E-06	1.3E-06	1.5E-06	1.6E-06
OTH TISS (MUSC)	1.3E-06	1.6E-06	1.2E-06	1.4E-06	1.3E-06	1.5E-06	1.2E-06	9.5E-07	1.1E-06	1.3E-05
OVARIES	5.2E-07	6.7E-06	4.2E-07	9.5E-06	1.0E-05	1.7E-05	1.0E-06	4.1E-07	9.5E-08	1.7E-06
PANCREAS	7.9E-06	2.3E-07	1.6E-05	1.8E-06	2.1E-06	6.3E-07	5.8E-06	3.6E-06	2.3E-06	1.6E-06
SKIN	4.8E-07	4.9E-07	4.0E-07	3.8E-07	3.8E-07	4.5E-07	4.9E-07	4.5E-07	4.9E-07	6.6E-07
SPLEEN	5.8E-06	3.6E-07	9.0E-06	1.4E-06	1.3E-06	7.0E-07	7.8E-06	8.2E-07	2.0E-06	1.3E-06
TESTES	3.4E-08	4.1E-06	5.0E-08	2.9E-07	2.6E-07	1.7E-06	8.9E-08	6.4E-08	9.0E-09	1.0E-06
THYROID	1.2E-07	2.5E-09	9.0E-08	1.6E-08	1.8E-08	6.2E-09	5.0E-08	1.6E-07	7.7E-07	1.1E-06
UTERUS (NONGRVD)	1.5E-06	1.4E-05	7.0E-07	8.5E-06	4.5E-06	6.3E-06	8.8E-07	3.4E-07	7.8E-08	2.1E-06
TOTAL BODY	6.3E-06	2.2E-06	3.0E-06	5.6E-06	4.0E-06	4.6E-06	6.3E-06	6.3E-06	6.1E-06	6.0E-06

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67Cu

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)

COPPER-67 HALF-LIFE 61.7 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY			
			R MARROW	CORT BONE	TRA BONE							
ADRENALS	3.1E-07	7.8E-06	2.2E-06	1.0E-06	1.0E-06	6.6E-07	5.7E-06	3.4E-08	1.2E-07	6.4E-06		
BLADDER WALL	6.3E-06	1.3E-07	7.8E-07	4.4E-07	4.4E-07	4.5E-07	1.3E-07	4.3E-06	2.5E-09	6.3E-06		
BONE (TOTAL)	1.2E-06	1.2E-06	1.4E-05	7.1E-05	5.3E-05	8.4E-07	9.4E-07	7.6E-07	8.4E-07	6.4E-06		
GI (STOM WALL)	7.0E-07	1.6E-05	9.1E-07	5.0E-07	5.0E-07	4.9E-07	8.8E-06	3.5E-08	3.9E-08	6.4E-06		
GI (SI)	1.1E-05	1.6E-06	2.3E-06	6.6E-07	6.6E-07	4.1E-07	1.3E-06	3.4E-07	1.1E-08	6.5E-06		
GI (ULI WALL)	9.9E-06	1.9E-06	1.9E-06	6.3E-07	6.3E-07	4.1E-07	1.2E-06	3.0E-07	9.6E-09	6.4E-06		
GI (LLI WALL)	1.3E-05	5.0E-07	2.6E-06	9.3E-07	9.3E-07	4.3E-07	5.5E-07	2.5E-06	5.0E-09	6.3E-06		
KIDNEYS	8.3E-07	5.8E-06	2.0E-06	7.7E-07	7.7E-07	5.4E-07	8.0E-06	4.2E-08	3.1E-08	6.3E-06		
LIVER	4.9E-07	3.9E-06	8.4E-07	5.8E-07	5.8E-07	4.9E-07	8.8E-07	3.1E-08	9.3E-08	6.2E-06		
LUNGS	5.7E-08	2.3E-06	1.1E-06	8.6E-07	8.6E-07	5.4E-07	2.0E-06	8.0E-09	8.4E-07	6.0E-06		
MARROW (RED)	4.4E-06	2.3E-06	1.9E-04	4.1E-06	6.2E-05	8.0E-07	1.4E-06	6.1E-07	9.2E-07	6.7E-06		
OTH TISS (MUSC)	1.7E-06	1.6E-06	1.1E-06	8.9E-07	8.9E-07	6.6E-07	1.3E-06	1.0E-06	1.1E-06	6.0E-06		
OVARIES	3.1E-02	3.2E-07	2.5E-06	6.2E-07	6.2E-07	3.9E-07	4.3E-07	0.0	5.8E-09	6.4E-06		
PANCREAS	4.3E-07	3.5E-03	1.5E-06	8.5E-07	8.5E-07	4.5E-07	1.7E-05	5.6E-08	7.9E-08	6.6E-06		
SKIN	3.8E-07	3.7E-07	5.6E-07	6.1E-07	6.1E-07	1.3E-04	4.3E-07	1.2E-06	6.8E-07	5.5E-06		
SPLEEN	4.6E-07	1.7E-05	8.2E-07	5.5E-07	5.5E-07	5.0E-07	2.0E-03	1.7E-08	9.8E-08	6.3E-06		
TESTES	0.0	5.7E-08	3.3E-07	5.6E-07	5.6E-07	8.7E-07	5.0E-08	9.9E-03	6.5E-10	5.8E-06		
THYROID	5.8E-09	1.2E-07	6.2E-07	7.6E-07	7.6E-07	6.5E-07	8.7E-08	6.5E-10	1.7E-02	5.8E-06		
UTERUS (NONGRVD)	1.9E-05	5.1E-07	2.0E-06	5.2E-07	5.2E-07	3.5E-07	3.5E-07	0.0	5.4E-09	6.7E-06		
TOTAL BODY	6.6E-06	6.6E-06	6.2E-06	6.1E-06	6.1E-06	5.5E-06	6.3E-06	6.0E-06	5.9E-06	6.0E-06		

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
ZINC-62 HALF-LIFE 9.15 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	6.5E-03	6.8E-07	6.4E-06	3.7E-06	3.0E-06	1.4E-06	3.7E-05	1.5E-05	7.3E-06	4.6E-06
BLADDER WALL	3.6E-07	4.0E-04	1.3E-06	9.7E-06	5.7E-06	1.7E-05	1.1E-06	9.5E-07	2.2E-07	5.4E-06
BONE (TOTAL)	4.3E-06	1.8E-06	1.9E-06	2.4E-06	2.2E-06	3.3E-06	3.1E-06	2.3E-06	3.2E-06	3.3E-06
GI (STOM WALL)	8.8E-06	1.0E-06	3.0E-04	1.0E-05	1.1E-05	5.3E-06	1.0E-05	5.7E-06	5.6E-06	4.2E-06
GI (SI)	2.8E-06	7.8E-06	7.8E-06	1.8E-04	5.0E-05	2.7E-05	8.2E-06	4.7E-06	8.2E-07	4.7E-06
GI (ULI WALL)	3.1E-06	6.9E-06	9.9E-06	7.3E-06	2.9E-05	1.3E-05	8.5E-06	7.6E-06	1.1E-06	4.9E-06
GI (LLI WALL)	1.0E-06	2.1E-05	3.8E-06	2.1E-05	9.1E-06	4.1E-04	2.6E-06	9.3E-07	2.4E-07	5.1E-06
KIDNEYS	3.5E-05	1.1E-06	9.8E-06	9.4E-06	8.1E-06	2.5E-06	4.6E-04	1.1E-05	3.1E-06	4.3E-06
LIVER	1.5E-05	8.3E-07	6.0E-06	5.4E-06	7.4E-06	1.0E-06	1.2E-05	1.2E-04	7.2E-06	3.4E-06
LUNGS	7.0E-06	1.5E-07	5.5E-06	9.8E-07	1.0E-06	3.1E-07	2.8E-06	7.3E-06	1.2E-04	4.1E-06
MARROW (RED)	7.7E-06	3.9E-06	3.2E-06	7.9E-06	6.8E-06	1.0E-05	7.8E-06	3.3E-06	4.0E-06	4.4E-06
OTH TISS (MUSC)	4.6E-06	5.4E-06	4.2E-06	4.7E-06	4.5E-06	5.1E-06	4.3E-06	3.4E-06	4.1E-06	7.1E-06
OVARIES	1.6E-06	1.9E-05	1.7E-06	2.7E-05	3.7E-05	5.0E-05	3.5E-06	7.6E-07	4.5E-07	6.0E-06
PANCREAS	2.5E-05	7.8E-07	5.3E-05	6.1E-06	5.4E-06	2.2E-06	2.0E-05	1.4E-05	8.2E-06	5.5E-06
SKIN	2.0E-06	1.9E-06	1.8E-06	1.6E-06	1.6E-06	1.7E-06	2.0E-06	1.8E-06	2.0E-06	2.8E-06
SPLEEN	1.9E-05	6.6E-07	2.9E-05	4.6E-06	3.7E-06	2.8E-06	2.5E-05	3.0E-06	6.5E-06	4.5E-06
TESTES	2.1E-07	1.5E-05	1.1E-07	1.1E-06	1.5E-06	6.0E-06	4.4E-07	3.7E-07	7.3E-08	3.7E-06
THYROID	5.8E-07	2.9E-08	4.5E-07	1.2E-07	1.3E-07	5.5E-08	2.8E-07	5.5E-07	3.6E-06	4.2E-06
UTERUS (NONGRVD)	1.4E-06	4.5E-05	2.6E-06	2.6E-05	1.4E-05	1.7E-05	2.5E-06	1.3E-06	2.9E-07	6.1E-06
TOTAL BODY	6.2E-06	5.9E-06	5.8E-06	6.8E-06	6.3E-06	6.4E-06	6.2E-06	6.2E-06	5.5E-06	5.4E-06

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62Zn

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 ZINC-62 HALF-LIFE 9.15 HOURS

SOURCE ORGANS

TARGET ORGANS	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY		
			R MARROW	CORT	BONE	TRA	BONE			
ADRENALS	1.7E-06	2.5E-05	5.6E-06	5.0E-06	5.0E-06	2.0E-06	1.9E-05	2.1E-07	5.8E-07	7.7E-06
BLADDER WALL	2.0E-05	5.5E-07	2.1E-06	1.9E-06	1.9E-06	1.9E-06	4.6E-07	1.5E-05	2.9E-08	6.6E-06
BONE (TOTAL)	2.9E-06	2.8E-06	1.0E-05	2.5E-05	2.2E-05	2.7E-06	2.4E-06	2.0E-06	2.3E-06	5.7E-06
GI (STOM WALL)	2.5E-06	5.2E-05	3.0E-06	1.7E-06	1.7E-06	1.9E-06	3.0E-05	3.3E-07	3.7E-07	6.4E-06
GI (SI)	3.6E-05	5.2E-06	8.0E-06	2.4E-06	2.4E-06	1.6E-06	4.1E-06	1.6E-06	3.1E-08	7.0E-06
GI (ULI WALL)	3.4E-05	6.4E-06	6.1E-06	2.1E-06	2.1E-06	1.7E-06	4.1E-06	9.7E-07	4.0E-08	6.9E-06
GI (ILLI WALL)	4.3E-05	1.6E-06	9.2E-06	2.9E-06	2.9E-06	1.8E-06	2.0E-06	8.3E-06	4.6E-08	7.0E-06
KIDNEYS	3.3E-06	1.9E-05	7.0E-06	2.8E-06	2.8E-06	2.2E-06	2.6E-05	3.1E-07	1.6E-07	6.4E-06
LIVER	1.8E-06	1.2E-05	3.0E-06	2.1E-06	2.1E-06	2.0E-06	3.2E-06	1.6E-07	4.7E-07	6.3E-06
LUNGS	3.4E-07	7.2E-06	3.6E-06	2.9E-06	2.9E-06	2.0E-06	6.6E-06	4.6E-08	3.2E-06	5.7E-06
MARROW (RED)	9.8E-06	5.4E-06	6.3E-05	1.1E-05	2.2E-05	2.5E-06	3.5E-06	1.6E-06	2.5E-06	6.3E-06
OTH TISS (MUSC)	6.0E-06	5.5E-06	3.9E-06	3.3E-06	3.3E-06	2.8E-06	4.5E-06	3.7E-06	4.2E-06	5.4E-06
OVARIES	9.1E-03	1.3E-06	1.0E-05	3.2E-06	3.2E-06	1.0E-06	2.9E-06	0.0	5.4E-08	6.1E-06
PANCREAS	1.7E-06	1.4E-03	4.9E-06	2.7E-06	2.7E-06	1.7E-06	5.9E-05	1.3E-07	2.0E-07	6.3E-06
SKIN	1.6E-06	1.5E-06	2.2E-06	2.6E-06	2.6E-06	3.3E-05	1.9E-06	4.8E-06	2.6E-06	3.7E-06
SPLEEN	2.0E-06	5.8E-05	2.5E-06	2.5E-06	2.5E-06	2.0E-06	8.1E-04	3.5E-07	4.0E-07	6.5E-06
TESTES	0.0	2.0E-07	1.3E-06	1.7E-06	1.7E-06	2.6E-06	2.8E-07	3.2E-03	1.1E-08	6.6E-06
THYROID	5.4E-08	5.0E-07	2.7E-06	3.1E-06	3.1E-06	2.5E-06	4.3E-07	1.1E-08	5.1E-03	5.4E-06
UTERUS (NONGRVD)	5.5E-05	1.8E-06	5.7E-06	1.8E-06	1.8E-06	1.7E-06	1.4E-06	0.0	5.2E-08	6.6E-06
TOTAL BODY	7.1E-06	7.0E-06	5.9E-06	5.4E-06	5.4E-06	3.8E-06	6.2E-06	5.4E-06	5.0E-06	5.4E-06

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.
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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
ZINC-65 HALF-LIFE 5.85E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	3.3E-03	1.0E-06	9.9E-06	4.7E-06	4.9E-06	1.9E-05	9.1E-06	6.1E-06	
BLADDER WALL	1.0E-06	3.1E-04	2.0E-06	9.6E-06	8.1E-06	8.1E-07	3.9E-07	7.0E-06	
BONE (TOTAL)	5.3E-06	2.2E-06	2.3E-06	3.1E-06	2.7E-06	2.8E-06	3.8E-06	4.5E-06	
GI (STOM WALL)	1.2E-05	2.1E-06	2.3E-04	1.4E-05	1.4E-05	1.3E-05	7.8E-06	5.6E-06	
GI (SI)	3.9E-06	1.1E-05	9.9E-06	1.4E-04	6.1E-05	1.1E-05	1.3E-06	6.1E-06	
GI (ULI WALL)	4.4E-06	7.7E-06	1.3E-05	9.0E-05	2.1E-04	1.1E-05	1.7E-06	6.5E-06	
GI (LLI WALL)	1.1E-06	2.6E-05	5.6E-06	2.7E-05	1.3E-05	3.7E-06	3.7E-07	6.7E-06	
KIDNEYS	4.3E-05	1.6E-06	1.3E-05	1.2E-05	1.1E-05	3.5E-04	4.1E-06	5.8E-06	
LIVER	1.8E-05	1.2E-06	7.8E-06	7.4E-06	9.9E-06	1.5E-05	9.4E-06	4.5E-06	
LUNGS	9.5E-06	3.5E-07	7.0E-06	1.4E-06	1.7E-06	4.0E-06	7.7E-05	5.3E-06	
MARROW (RED)	9.4E-06	4.5E-06	3.9E-06	9.4E-06	7.9E-06	9.5E-06	4.9E-06	5.2E-06	
OTH TISS (MUSC)	6.1E-06	7.0E-06	5.6E-06	6.1E-06	5.9E-06	5.8E-06	5.3E-06	6.8E-06	
OVARIES	1.8E-06	2.0E-05	5.6E-06	3.9E-05	2.8E-05	6.2E-06	7.1E-07	7.8E-06	
PANCREAS	3.4E-05	1.2E-06	6.4E-05	7.7E-06	8.3E-06	2.7E-05	9.0E-06	7.0E-06	
SKIN	3.0E-06	2.9E-06	2.5E-06	2.4E-06	2.3E-06	2.7E-06	2.8E-06	3.9E-06	
SPLEEN	2.4E-05	1.0E-06	3.7E-05	6.3E-06	5.7E-06	3.3E-05	8.4E-06	5.9E-06	
TESTES	3.8E-07	1.9E-05	7.0E-07	2.2E-06	2.2E-06	7.2E-07	1.5E-07	5.0E-06	
THYROID	9.3E-07	7.4E-08	7.2E-07	2.3E-07	2.5E-07	4.8E-07	5.2E-06	5.5E-06	
UTERUS (NONGRVD)	2.0E-06	5.6E-05	4.0E-06	3.3E-05	1.9E-05	3.7E-06	6.4E-07	1.0E-05	
TOTAL BODY	7.0E-06	7.4E-06	7.2E-06	7.9E-06	7.7E-06	7.0E-06	6.0E-06	6.1E-06	

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(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
ZINC-65 HALF-LIFE 5.85E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	2.3E-06	2.7E-05	1.1E-05	7.7E-06	7.7E-06	3.4E-06	2.8E-05	3.8E-07	9.1E-07	8.6E-06	
BLADDER WALL	2.8E-05	6.8E-07	4.6E-06	2.1E-06	2.1E-06	3.3E-06	1.4E-06	2.0E-05	7.4E-08	8.3E-06	
BONE (TOTAL)	3.5E-06	3.5E-06	9.4E-06	1.7E-05	1.7E-05	3.5E-06	3.0E-06	2.6E-06	2.9E-06	6.0E-06	
GI (STOM WALL)	3.3E-06	6.6E-05	4.8E-06	2.2E-06	2.2E-06	2.7E-06	3.7E-05	3.8E-07	6.2E-07	6.7E-06	
GI (SI)	4.4E-05	7.2E-06	1.0E-05	3.3E-06	3.3E-06	2.5E-06	5.7E-06	2.2E-06	1.8E-07	8.0E-06	
GI (ULI WALL)	4.1E-05	8.8E-06	7.4E-06	3.1E-06	3.1E-06	2.6E-06	5.7E-06	1.7E-06	2.1E-07	7.6E-06	
GI (ILI WALL)	5.2E-05	2.4E-06	1.2E-05	4.3E-06	4.3E-06	2.7E-06	2.6E-06	9.2E-06	1.0E-07	8.1E-06	
KIDNEYS	4.4E-06	2.4E-05	9.6E-06	4.7E-06	4.7E-06	3.1E-06	3.2E-05	6.4E-07	5.5E-07	7.3E-06	
LIVER	2.7E-06	1.6E-05	4.1E-06	2.9E-06	2.9E-06	2.8E-06	4.3E-06	4.6E-07	8.3E-07	7.4E-06	
LUNGS	6.7E-07	9.0E-06	4.9E-06	4.0E-06	4.0E-06	2.9E-06	8.3E-06	1.4E-07	4.6E-06	5.8E-06	
MARROW (RED)	1.1E-05	6.6E-06	4.0E-05	1.3E-05	1.4E-05	3.3E-06	4.4E-06	2.0E-06	3.2E-06	6.6E-06	
OTH TISS (MUSC)	7.8E-06	7.0E-06	5.3E-06	4.5E-06	4.5E-06	3.9E-06	5.9E-06	5.0E-06	5.5E-06	6.1E-06	
OVARIES	5.0E-03	3.9E-06	1.1E-05	3.8E-06	3.8E-06	2.5E-06	2.3E-06	0.0	1.2E-07	6.2E-06	
PANCREAS	3.5E-06	1.1E-03	4.7E-06	4.2E-06	4.2E-06	2.1E-06	7.0E-05	4.6E-07	6.0E-07	6.8E-06	
SKIN	2.3E-06	2.3E-06	3.1E-06	3.5E-06	3.5E-06	1.6E-05	2.6E-06	6.4E-06	3.8E-06	4.2E-06	
SPLEEN	2.4E-06	7.0E-05	4.2E-06	3.4E-06	3.4E-06	3.1E-06	6.2E-04	2.8E-07	8.6E-07	7.1E-06	
TESTES	0.0	5.3E-07	1.5E-06	2.8E-06	2.8E-06	3.8E-06	4.9E-07	2.0E-03	3.3E-08	7.2E-06	
THYROID	1.2E-07	3.0E-07	3.6E-06	2.7E-06	2.7E-06	3.0E-06	7.0E-07	3.3E-08	2.9E-03	6.5E-06	
UTERUS (NONGRVD)	6.5E-05	2.4E-06	6.5E-06	3.5E-06	3.5E-06	3.0E-06	2.2E-06	0.0	1.2E-07	9.3E-06	
TOTAL BODY	8.1E-06	7.9E-06	6.6E-06	6.0E-06	6.0E-06	4.1E-06	7.0E-06	6.0E-06	5.5E-06	6.1E-06	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 GALLIUM-66 HALF-LIFE 9.30 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	1.6E-01	4.2E-06	3.5E-05	2.0E-05	1.9E-05	7.9E-06	1.8E-04	8.6E-05	3.2E-05	2.3E-05
BLADDER WALL	4.2E-06	6.4E-03	7.3E-06	4.2E-05	3.1E-05	8.0E-05	7.8E-06	4.9E-06	1.6E-06	2.7E-05
BONE (TOTAL)	2.1E-05	9.1E-06	9.4E-06	1.2E-05	1.1E-05	1.6E-05	1.5E-05	1.1E-05	1.5E-05	1.7E-05
GI (STOM WALL)	4.2E-05	8.0E-06	5.0E-03	5.2E-05	5.3E-05	2.8E-05	5.1E-05	3.1E-05	2.8E-05	2.2E-05
GI (SI)	1.6E-05	4.2E-05	4.0E-05	3.1E-03	2.3E-04	1.3E-04	4.2E-05	2.5E-05	5.6E-06	2.4E-05
GI (ULI WALL)	1.7E-05	3.3E-05	4.8E-05	3.4E-04	5.5E-03	6.1E-05	4.1E-05	3.6E-05	7.6E-06	2.5E-05
GI (LLI WALL)	6.0E-06	1.0E-04	2.0E-05	1.0E-04	4.4E-05	8.7E-03	1.5E-05	5.8E-06	1.4E-06	2.6E-05
KIDNEYS	1.7E-04	6.8E-06	4.9E-05	4.5E-05	4.1E-05	1.5E-05	8.0E-03	5.6E-05	1.5E-05	2.2E-05
LIVER	7.2E-05	5.5E-06	3.1E-05	2.8E-05	3.8E-05	6.4E-06	5.8E-05	1.6E-03	3.6E-05	1.7E-05
LUNGS	3.6E-05	1.7E-06	2.7E-05	6.0E-06	6.4E-06	2.9E-06	1.5E-05	3.6E-05	2.4E-03	2.0E-05
MARROW (RED)	3.7E-05	1.9E-05	1.6E-05	3.6E-05	3.1E-05	4.5E-05	3.7E-05	1.6E-05	1.9E-05	2.0E-05
OTH TISS (MUSC)	2.3E-05	2.7E-05	2.2E-05	2.4E-05	2.3E-05	2.6E-05	2.2E-05	1.7E-05	2.0E-05	1.0E-04
OVARIES	8.5E-06	8.8E-05	1.5E-05	1.4E-04	1.5E-04	2.4E-04	1.6E-05	9.4E-06	2.9E-06	3.0E-05
PANCREAS	1.3E-04	5.2E-06	2.4E-04	3.1E-05	3.6E-05	1.1E-05	9.4E-05	6.2E-05	3.7E-05	2.7E-05
SKIN	1.1E-05	1.1E-05	1.0E-05	9.0E-06	9.5E-06	1.0E-05	1.1E-05	1.0E-05	1.1E-05	1.5E-05
SPLEEN	9.1E-05	4.0E-06	1.3E-04	2.4E-05	2.1E-05	1.5E-05	1.2E-04	1.6E-05	3.3E-05	2.3E-05
TESTES	1.6E-06	7.5E-05	2.3E-06	8.0E-06	8.8E-06	2.8E-05	2.9E-06	2.7E-06	7.1E-07	2.1E-05
THYROID	3.7E-06	3.8E-07	2.9E-06	1.0E-06	1.1E-06	5.7E-07	2.0E-06	3.4E-06	1.8E-05	2.1E-05
UTERUS (NONGRVD)	6.3E-06	2.2E-04	1.7E-05	1.2E-04	7.2E-05	8.3E-05	1.6E-05	7.9E-06	3.1E-06	3.6E-05
TOTAL BODY	5.6E-05	3.2E-05	3.6E-05	5.4E-05	4.4E-05	4.7E-05	5.7E-05	5.6E-05	5.3E-05	5.3E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 GALLIUM-66 HALF-LIFE 9.30 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	THYROID	TESTES	THYROID	
ADRENALS	9.0E-06	1.0E-04	3.6E-05	2.5E-05	2.5E-05	1.4E-05	9.5E-05	1.6E-06	3.7E-06	6.1E-05	
BLADDER WALL	9.8E-05	5.2E-06	1.5E-05	1.0E-05	1.0E-05	1.1E-05	4.5E-06	7.2E-05	3.8E-07	6.0E-05	
BONE (TOTAL)	1.4E-05	1.4E-05	1.6E-04	4.8E-04	3.0E-04	1.3E-05	1.2E-05	1.0E-05	1.2E-05	5.3E-05	
GI (STOM WALL)	1.5E-05	2.5E-04	1.6E-05	9.0E-06	9.0E-06	1.0E-05	1.4E-04	2.1E-06	2.4E-06	5.6E-05	
GI (SI)	1.7E-04	2.8E-05	3.9E-05	1.3E-05	1.3E-05	9.3E-06	2.2E-05	9.1E-06	7.5E-07	6.0E-05	
GI (ULI WALL)	1.6E-04	3.2E-05	3.2E-05	1.2E-05	1.2E-05	9.5E-06	2.2E-05	8.0E-06	1.1E-06	5.9E-05	
GI (LLI WALL)	2.1E-04	9.3E-06	4.5E-05	1.5E-05	1.5E-05	9.9E-06	1.1E-05	4.1E-05	5.0E-07	6.1E-05	
KIDNEYS	1.8E-05	9.1E-05	3.7E-05	1.5E-05	1.5E-05	1.2E-05	1.2E-04	2.7E-06	1.7E-06	5.7E-05	
LIVER	1.1E-05	6.0E-05	1.6E-05	1.2E-05	1.2E-05	1.1E-05	1.7E-05	1.8E-06	3.7E-06	5.7E-05	
LUNGS	2.9E-06	3.5E-05	1.8E-05	1.5E-05	1.5E-05	1.1E-05	3.3E-05	6.0E-07	1.8E-05	5.3E-05	
MARROW (RED)	4.3E-05	2.5E-05	1.0E-03	8.1E-05	6.6E-04	1.2E-05	1.7E-05	8.3E-06	1.3E-05	5.5E-05	
OTH TISS (MUSC)	3.0E-05	2.7E-05	2.0E-05	1.7E-05	1.7E-05	1.5E-05	2.3E-05	2.1E-05	2.1E-05	5.3E-05	
OVARIES	2.1E-01	1.1E-05	4.7E-05	1.5E-05	1.5E-05	8.1E-06	7.2E-06	0.0	5.9E-07	6.1E-05	
PANCREAS	1.1E-05	2.5E-02	2.2E-05	1.4E-05	1.4E-05	8.8E-06	2.7E-04	2.1E-06	2.6E-06	6.0E-05	
SKIN	8.7E-06	8.9E-06	1.2E-05	1.4E-05	1.4E-05	8.6E-04	1.0E-05	2.4E-05	1.4E-05	4.5E-05	
SPLEEN	1.1E-05	2.7E-04	1.6E-05	1.1E-05	1.1E-05	1.1E-05	1.4E-02	1.9E-06	2.9E-06	5.5E-05	
TESTES	0.0	2.0E-06	7.6E-06	1.3E-05	1.3E-05	1.6E-05	2.0E-06	6.7E-02	1.9E-07	5.7E-05	
THYROID	5.9E-07	3.0E-06	1.4E-05	1.0E-05	1.0E-05	1.3E-05	2.9E-06	1.9E-07	1.1E-01	5.5E-05	
UTERUS (NONGRVD)	2.6E-04	9.7E-06	2.5E-05	1.0E-05	1.0E-05	1.1E-05	9.8E-06	0.0	5.7E-07	6.3E-05	
TOTAL BODY	6.1E-05	6.0E-05	5.5E-05	5.3E-05	5.3E-05	4.5E-05	5.6E-05	5.3E-05	5.1E-05	5.3E-05	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
GALLIUM-67 HALF-LIFE 78.1 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	6.6E-03	2.2E-07	3.0E-06	1.5E-06	1.1E-06	5.0E-07	1.3E-05	5.8E-06	3.1E-06	1.8E-06
BLADDER WALL	1.5E-07	2.9E-04	3.4E-07	3.3E-06	2.6E-06	8.0E-06	3.7E-07	2.3E-07	5.7E-08	2.2E-06
BONE (TOTAL)	2.2E-06	9.9E-07	9.8E-07	1.3E-06	1.2E-06	1.8E-06	1.6E-06	1.2E-06	1.6E-06	1.2E-06
GI (STOM WALL)	3.5E-06	3.4E-07	2.2E-04	4.4E-06	4.6E-06	2.2E-06	4.2E-06	2.3E-06	2.3E-06	1.6E-06
GI (SI)	1.0E-06	3.5E-06	3.2E-06	1.4E-04	2.0E-05	1.1E-05	3.5E-06	2.0E-06	2.5E-07	1.9E-06
GI (ULI WALL)	1.1E-06	2.8E-06	4.3E-06	3.2E-05	2.3E-04	5.2E-06	3.5E-06	3.0E-06	3.1E-07	2.0E-06
GI (LLI WALL)	2.9E-07	8.9E-06	1.5E-06	8.9E-06	3.8E-06	3.5E-04	9.5E-07	3.0E-07	1.0E-07	2.0E-06
KIDNEYS	1.4E-05	3.5E-07	4.2E-06	3.8E-06	3.4E-06	1.1E-06	3.6E-04	4.7E-06	1.1E-06	1.7E-06
LIVER	6.0E-06	2.4E-07	2.4E-06	2.2E-06	3.1E-06	3.3E-07	4.7E-06	7.9E-05	3.0E-06	1.3E-06
LUNGS	3.0E-06	3.5E-08	2.1E-06	3.0E-07	3.4E-07	1.0E-07	1.0E-06	3.0E-06	1.0E-04	1.6E-06
MARROW (RED)	4.0E-06	2.3E-06	1.7E-06	4.5E-06	3.9E-06	5.5E-06	4.1E-06	1.7E-06	2.0E-06	2.2E-06
OTH TISS (MUSC)	1.8E-06	2.2E-06	1.7E-06	1.9E-06	1.8E-06	2.0E-06	1.7E-06	1.3E-06	1.6E-06	4.7E-06
OVARIES	7.0E-07	8.8E-06	5.9E-07	1.3E-05	1.4E-05	2.3E-05	1.4E-06	5.1E-07	1.4E-07	2.4E-06
PANCREAS	1.1E-05	3.1E-07	2.2E-05	2.5E-06	2.7E-06	8.7E-07	7.9E-06	5.1E-06	3.2E-06	2.2E-06
SKIN	6.9E-07	6.9E-07	5.8E-07	5.4E-07	5.5E-07	6.3E-07	6.9E-07	6.3E-07	7.0E-07	9.6E-07
SPLEEN	7.9E-06	4.7E-07	1.2E-05	1.9E-06	1.7E-06	9.9E-07	1.1E-05	1.1E-06	2.8E-06	1.8E-06
TESTES	5.2E-08	5.8E-06	6.2E-08	4.0E-07	4.0E-07	2.3E-06	1.3E-07	9.5E-08	1.5E-08	1.4E-06
THYROID	1.8E-07	4.8E-09	1.3E-07	2.6E-08	2.9E-08	1.1E-08	7.5E-08	2.1E-07	1.1E-06	1.6E-06
UTERUS (NONGRVD)	1.6E-06	1.9E-05	9.7E-07	1.1E-05	6.1E-06	8.3E-06	1.2E-06	4.8E-07	1.1E-07	2.9E-06
TOTAL BODY	3.3E-06	2.5E-06	2.6E-06	3.4E-06	3.0E-06	3.1E-06	3.3E-06	3.3E-06	3.0E-06	2.9E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)

GALLIUM-67 HALF-LIFE 78.1 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID				
			R MARROW	CORT BONE	TRA BONE							
ADRENALS	4.7E-07	1.1E-05	2.8E-06	1.5E-06	1.5E-06	8.8E-07	7.7E-06	5.2E-08	1.8E-07	3.5E-06		
BLADDER WALL	8.6E-06	1.9E-07	1.0E-06	6.3E-07	6.3E-07	6.4E-07	1.7E-07	5.9E-06	4.8E-09	3.3E-06		
BONE (TOTAL)	1.6E-06	1.6E-06	5.4E-06	2.1E-05	1.9E-05	1.2E-06	1.2E-06	1.0E-06	1.1E-06	3.4E-06		
GI (STOM WALL)	9.7E-07	2.2E-05	1.2E-06	6.8E-07	6.8E-07	6.9E-07	1.2E-05	6.3E-08	7.1E-08	3.4E-06		
GI (SI)	1.5E-05	2.2E-06	3.2E-06	9.2E-07	9.2E-07	5.8E-07	1.7E-06	4.9E-07	1.4E-08	3.6E-06		
GI (ULI WALL)	1.4E-05	2.6E-06	2.5E-06	8.6E-07	8.6E-07	5.9E-07	1.6E-06	4.0E-07	1.3E-08	3.5E-06		
GI (LLI WALL)	1.8E-05	6.8E-07	3.6E-06	1.3E-06	1.3E-06	6.1E-07	7.6E-07	3.4E-06	8.7E-09	3.4E-06		
KIDNEYS	1.2E-06	7.9E-06	2.7E-06	1.1E-06	1.1E-06	7.7E-07	1.1E-05	6.8E-08	4.6E-08	3.3E-06		
LIVER	6.8E-07	5.3E-06	1.2E-06	8.1E-07	8.1E-07	6.9E-07	1.2E-06	4.6E-08	1.4E-07	3.3E-06		
LUNGS	8.7E-08	3.1E-06	1.4E-06	1.2E-06	1.2E-06	7.6E-07	2.7E-06	1.2E-08	1.2E-06	3.0E-06		
MARROW (RED)	5.8E-06	3.0E-06	6.0E-05	5.3E-06	1.3E-05	1.1E-06	1.9E-06	8.0E-07	1.2E-06	3.8E-06		
OTH TISS (MUSC)	2.4E-06	2.2E-06	1.5E-06	1.2E-06	1.2E-06	9.6E-07	1.8E-06	1.4E-06	1.6E-06	2.9E-06		
OVARIES	8.8E-03	4.5E-07	3.6E-06	9.3E-07	9.3E-07	5.0E-07	6.9E-07	0.0	1.0E-08	3.4E-06		
PANCREAS	6.1E-07	1.2E-03	2.0E-06	1.1E-06	1.1E-06	6.2E-07	2.3E-05	7.0E-08	1.0E-07	3.6E-06		
SKIN	5.4E-07	5.2E-07	7.8E-07	8.7E-07	8.7E-07	3.4E-05	6.2E-07	1.7E-06	9.5E-07	2.2E-06		
SPLEEN	6.5E-07	2.4E-05	1.1E-06	8.0E-07	8.0E-07	7.0E-07	6.3E-04	4.6E-08	1.4E-07	3.4E-06		
TESTES	0.0	7.6E-08	4.7E-07	7.5E-07	7.5E-07	1.2E-06	7.5E-08	2.8E-03	1.4E-09	2.8E-06		
THYROID	1.0E-08	1.7E-07	8.9E-07	1.1E-06	1.1E-06	9.1E-07	1.3E-07	1.4E-09	4.8E-03	2.7E-06		
UTERUS (NONGRVD)	2.5E-05	7.0E-07	2.6E-06	7.1E-07	7.1E-07	5.2E-07	4.9E-07	0.0	9.5E-09	3.7E-06		
TOTAL BODY	3.7E-06	3.7E-06	3.2E-06	3.0E-06	3.0E-06	2.2E-06	3.3E-06	2.9E-06	2.8E-06	3.0E-06		

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
GALLIUM-68 HALF-LIFE 1.14 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	1.2E-01	1.6E-06	1.5E-05	8.6E-06	7.1E-06	3.4E-06	3.4E-05	1.7E-05	1.1E-05
BLADDER WALL	8.1E-07	4.5E-03	3.2E-06	2.3E-05	1.3E-05	3.9E-05	2.4E-06	5.2E-07	1.2E-05
BONE (TOTAL)	9.5E-06	4.1E-06	4.2E-06	5.4E-06	5.0E-06	7.2E-06	5.1E-06	7.0E-06	7.7E-06
GI (STOM WALL)	2.0E-05	2.3E-06	3.5E-03	2.4E-05	2.5E-05	1.2E-05	1.3E-05	1.3E-05	9.8E-06
GI (SI)	6.7E-06	1.8E-05	1.8E-05	2.2E-03	1.1E-04	6.2E-05	1.1E-05	2.0E-06	1.1E-05
GI (ULI WALL)	7.3E-06	1.6E-05	2.3E-05	1.6E-04	3.9E-03	2.9E-05	1.8E-05	2.7E-06	1.1E-05
GI (LLI WALL)	2.5E-06	4.9E-05	8.8E-06	4.7E-05	2.1E-05	6.2E-03	2.2E-06	5.5E-07	1.2E-05
KIDNEYS	8.0E-05	2.7E-06	2.3E-05	2.2E-05	1.9E-05	5.8E-06	2.6E-05	7.3E-06	1.0E-05
LIVER	3.4E-05	2.0E-06	1.4E-05	1.3E-05	1.7E-05	2.4E-06	1.1E-03	1.7E-05	7.8E-06
LUNGS	1.6E-05	3.5E-07	1.3E-05	2.3E-06	2.4E-06	7.3E-07	1.7E-05	1.7E-03	9.3E-06
MARROW (RED)	1.7E-05	8.7E-06	7.3E-06	1.7E-05	1.5E-05	2.2E-05	1.7E-05	8.8E-06	9.5E-06
OTH TISS (MUSC)	1.1E-05	1.2E-05	9.8E-06	1.1E-05	1.0E-05	1.2E-05	7.8E-06	9.3E-06	6.7E-05
OVARIES	3.8E-06	4.3E-05	3.8E-06	6.1E-05	8.6E-05	1.1E-04	1.6E-06	1.1E-06	1.4E-05
PANCREAS	5.8E-05	1.8E-06	1.2E-04	1.4E-05	1.2E-05	5.2E-06	3.3E-05	1.9E-05	1.2E-05
SKIN	4.8E-06	4.5E-06	4.1E-06	3.7E-06	3.9E-06	4.1E-06	4.2E-06	4.7E-06	6.4E-06
SPLEEN	4.5E-05	1.6E-06	6.6E-05	1.1E-05	8.6E-06	6.6E-06	7.0E-05	1.5E-05	1.0E-05
TESTES	5.0E-07	3.5E-05	2.3E-07	2.6E-06	3.6E-06	1.4E-05	8.5E-07	1.8E-07	8.6E-06
THYROID	1.4E-06	7.0E-08	1.1E-06	2.9E-07	3.1E-07	1.3E-07	1.3E-06	8.4E-06	9.6E-06
UTERUS (NONGRVD)	2.7E-06	1.0E-04	6.3E-06	6.0E-05	3.1E-05	3.9E-05	3.1E-06	6.8E-07	1.3E-05
TOTAL BODY	3.4E-05	1.6E-05	1.9E-05	3.2E-05	2.4E-05	2.7E-05	3.4E-05	3.3E-05	3.3E-05

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(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCL-H)
 GALLIUM-68 HALF-LIFE 1.14 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	THYROID	TOTAL BODY		
ADRENALS	4.2E-06	5.8E-05	1.2E-05	4.6E-06	4.2E-05	5.0E-07	1.4E-06	1.4E-06	3.8E-05	3.8E-05	
BLADDER WALL	4.6E-05	1.4E-06	4.5E-06	4.4E-06	1.0E-06	3.5E-05	7.0E-08	7.0E-08	3.5E-05	3.5E-05	
BONE (TOTAL)	6.4E-06	6.4E-06	1.1E-04	5.9E-06	5.3E-06	4.6E-06	5.3E-06	5.3E-06	3.3E-05	3.3E-05	
GI (STOM WALL)	5.8E-06	1.2E-04	7.0E-06	4.5E-06	6.8E-05	8.1E-07	9.0E-07	9.0E-07	3.5E-05	3.5E-05	
GI (SI)	8.2E-05	1.2E-05	5.6E-06	3.9E-06	9.6E-06	3.7E-06	6.5E-08	6.5E-08	3.6E-05	3.6E-05	
GI (ULI WALL)	7.7E-05	1.5E-05	4.9E-06	4.1E-06	9.7E-06	2.3E-06	8.9E-08	8.9E-08	3.6E-05	3.6E-05	
GI (LLI WALL)	9.8E-05	3.7E-06	2.1E-05	4.2E-06	4.8E-06	2.0E-05	1.1E-07	1.1E-07	3.6E-05	3.6E-05	
KIDNEYS	7.9E-06	4.3E-05	6.4E-06	5.2E-06	5.9E-05	7.3E-07	3.8E-07	3.8E-07	3.5E-05	3.5E-05	
LIVER	4.3E-06	2.8E-05	7.1E-06	4.7E-06	7.5E-06	3.8E-07	1.1E-06	1.1E-06	3.5E-05	3.5E-05	
LUNGS	8.1E-07	1.7E-05	8.4E-06	4.8E-06	1.5E-05	1.1E-07	7.4E-06	7.4E-06	3.3E-05	3.3E-05	
MARROW (RED)	2.1E-05	1.2E-05	7.4E-04	5.5E-06	7.9E-06	3.7E-06	5.8E-06	5.8E-06	3.4E-05	3.4E-05	
OTH TISS (MUSC)	1.4E-05	1.2E-05	9.1E-06	6.4E-06	1.0E-05	8.6E-06	9.6E-06	9.6E-06	3.3E-05	3.3E-05	
OVARIES	1.5E-01	2.9E-06	2.5E-05	2.2E-06	7.2E-06	0.0	1.3E-07	1.3E-07	3.4E-05	3.4E-05	
PANCREAS	4.0E-06	1.7E-02	6.3E-06	4.1E-06	1.3E-04	2.9E-07	4.9E-07	4.9E-07	3.4E-05	3.4E-05	
SKIN	3.7E-06	3.6E-06	5.2E-06	6.2E-04	4.4E-06	1.1E-05	6.0E-06	6.0E-06	2.9E-05	2.9E-05	
SPLEEN	4.8E-06	1.3E-04	5.7E-06	4.6E-06	9.7E-03	8.9E-07	9.2E-07	9.2E-07	3.5E-05	3.5E-05	
TESTES	0.0	4.6E-07	3.0E-06	5.8E-06	6.8E-07	4.7E-02	2.5E-08	2.5E-08	3.6E-05	3.6E-05	
THYROID	1.3E-07	1.3E-06	6.3E-06	5.8E-06	1.0E-06	2.5E-08	8.2E-02	8.2E-02	3.3E-05	3.3E-05	
UTERUS (NONGRVD)	1.2E-04	4.4E-06	1.3E-05	4.0E-06	3.3E-06	0.0	1.2E-07	1.2E-07	3.5E-05	3.5E-05	
TOTAL BODY	3.6E-05	3.6E-05	3.2E-05	2.9E-05	3.4E-05	3.2E-05	3.2E-05	3.2E-05	3.3E-05	3.3E-05	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
GALLIUM-72 HALF-LIFE 14.1 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			LIVER	LUNGS	OTHER TISSUE (MUSCLE)		
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				LLI CONTENTS	
ADRENALS	8.5E-02	4.8E-06	4.4E-05	2.3E-05	2.1E-05	9.1E-06	2.1E-04	9.1E-05	3.4E-05	2.7E-05
BLADDER WALL	4.7E-06	3.9E-03	7.9E-06	4.8E-05	3.9E-05	9.7E-05	8.0E-06	5.0E-06	1.8E-06	3.1E-05
BONE (TOTAL)	2.4E-05	1.0E-05	1.1E-05	1.4E-05	1.2E-05	1.8E-05	1.7E-05	1.3E-05	1.8E-05	2.0E-05
GI (STOM WALL)	4.8E-05	9.6E-06	3.0E-03	6.1E-05	6.2E-05	3.1E-05	5.9E-05	3.6E-05	3.5E-05	2.5E-05
GI (SI)	1.8E-05	4.9E-05	4.6E-05	1.9E-03	2.7E-04	1.5E-04	4.9E-05	2.9E-05	6.3E-06	2.7E-05
GI (ULI WALL)	2.0E-05	3.6E-05	5.5E-05	3.9E-04	3.2E-03	7.0E-05	4.8E-05	4.2E-05	8.1E-06	2.9E-05
GI (LLI WALL)	6.8E-06	1.2E-04	2.4E-05	1.2E-04	5.3E-05	4.8E-03	1.7E-05	5.9E-06	1.5E-06	3.0E-05
KIDNEYS	1.9E-04	7.4E-06	5.7E-05	5.4E-05	4.8E-05	1.8E-05	4.7E-03	6.6E-05	1.7E-05	2.6E-05
LIVER	8.4E-05	6.2E-06	3.6E-05	3.3E-05	4.4E-05	7.3E-06	6.8E-05	1.0E-03	4.1E-05	2.0E-05
LUNGS	4.2E-05	1.7E-06	3.1E-05	6.7E-06	7.5E-06	3.5E-06	1.8E-05	4.3E-05	1.3E-03	2.4E-05
MARROW (RED)	4.2E-05	2.1E-05	1.8E-05	4.2E-05	3.6E-05	5.3E-05	4.3E-05	1.9E-05	2.2E-05	2.4E-05
OTH TISS (MUSC)	2.7E-05	3.1E-05	2.5E-05	2.7E-05	2.6E-05	3.0E-05	2.6E-05	2.0E-05	2.4E-05	6.5E-05
OVARIES	9.4E-06	9.8E-05	1.9E-05	1.6E-04	1.7E-04	2.9E-04	2.3E-05	1.2E-05	3.3E-06	3.5E-05
PANCREAS	1.5E-04	6.4E-06	2.8E-04	3.5E-05	3.9E-05	1.4E-05	1.1E-04	7.1E-05	4.1E-05	3.2E-05
SKIN	1.3E-05	1.3E-05	1.2E-05	1.1E-05	1.1E-05	1.2E-05	1.3E-05	1.2E-05	1.3E-05	1.7E-05
SPLEEN	1.1E-04	5.2E-06	1.6E-04	2.9E-05	2.4E-05	1.9E-05	1.4E-04	1.9E-05	3.8E-05	2.6E-05
TESTES	1.8E-06	8.6E-05	2.9E-06	1.0E-05	1.0E-05	3.3E-05	3.3E-06	3.4E-06	7.8E-07	2.5E-05
THYROID	4.2E-06	4.0E-07	3.4E-06	1.2E-06	1.2E-06	6.2E-07	2.3E-06	3.9E-06	2.1E-05	2.4E-05
UTERUS (NONGRVD)	7.2E-06	2.5E-04	1.7E-05	1.4E-04	8.5E-05	9.7E-05	1.5E-05	9.2E-06	3.1E-06	4.2E-05
TOTAL BODY	4.5E-05	3.5E-05	3.6E-05	4.6E-05	4.1E-05	4.2E-05	4.5E-05	4.5E-05	4.1E-05	4.1E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 GALLIUM-72 HALF-LIFE 14.1 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON	R MARROW	CORT BONE	TRA BONE	SKIN	SPLEEN	TESTES	THYROID	
ADRENALS	1.0E-05	1.2E-04	2.9E-05	2.9E-05	2.9E-05	2.9E-05	1.6E-05	1.2E-04	1.8E-06	4.2E-06	5.1E-05
BLADDER WALL	1.2E-04	5.7E-06	1.6E-05	1.1E-05	1.1E-05	1.1E-05	1.4E-05	5.5E-06	8.7E-05	4.0E-07	4.8E-05
BONE (TOTAL)	1.6E-05	1.6E-05	9.8E-05	2.7E-04	1.9E-04	1.9E-04	1.5E-05	1.4E-05	1.2E-05	1.3E-05	4.1E-05
GI (STOM WALL)	1.7E-05	2.9E-04	1.9E-05	1.0E-05	1.0E-05	1.0E-05	1.2E-05	1.7E-04	2.3E-06	2.6E-06	4.5E-05
GI (SI)	2.0E-04	3.2E-05	4.6E-05	1.5E-05	1.5E-05	1.5E-05	1.1E-05	2.5E-05	1.0E-05	8.6E-07	4.9E-05
GI (ULI WALL)	1.8E-04	3.8E-05	3.6E-05	1.4E-05	1.4E-05	1.4E-05	1.1E-05	2.6E-05	9.7E-06	9.8E-07	4.8E-05
GI (LLI WALL)	2.4E-04	1.0E-05	5.6E-05	1.8E-05	1.8E-05	1.8E-05	1.2E-05	1.3E-05	4.5E-05	5.4E-07	5.3E-05
KIDNEYS	2.1E-05	1.0E-04	4.5E-05	1.8E-05	1.8E-05	1.8E-05	1.4E-05	1.4E-04	2.7E-06	2.2E-06	4.6E-05
LIVER	1.3E-05	6.9E-05	1.9E-05	1.4E-05	1.4E-05	1.4E-05	1.3E-05	2.0E-05	2.1E-06	4.3E-06	4.6E-05
LUNGS	3.2E-06	4.1E-05	2.2E-05	1.8E-05	1.8E-05	1.8E-05	1.3E-05	3.8E-05	6.3E-07	2.0E-05	4.0E-05
NARROW (RED)	5.1E-05	3.0E-05	6.2E-04	6.6E-05	6.6E-05	6.6E-05	1.4E-05	2.0E-05	9.5E-06	1.5E-05	4.4E-05
OTH TISS (MUSC)	3.5E-05	3.2E-05	2.4E-05	2.0E-05	2.0E-05	2.0E-05	1.7E-05	2.6E-05	2.5E-05	2.4E-05	4.1E-05
OVARIES	1.1E-01	1.4E-05	5.5E-05	1.7E-05	1.7E-05	1.7E-05	1.1E-05	8.3E-06	0.0	6.3E-07	4.8E-05
PANCREAS	1.1E-05	1.4E-02	2.4E-05	1.9E-05	1.9E-05	1.9E-05	1.0E-05	3.1E-04	2.5E-06	3.1E-06	5.3E-05
SKIN	9.9E-06	1.0E-05	1.4E-05	1.6E-05	1.6E-05	1.6E-05	4.5E-04	1.1E-05	2.8E-05	1.7E-05	3.2E-05
SPLEEN	1.3E-05	3.2E-04	1.9E-05	1.4E-05	1.4E-05	1.4E-05	1.2E-05	8.2E-03	2.3E-06	3.2E-06	4.4E-05
TESTES	0.0	2.4E-06	8.5E-06	1.6E-05	1.6E-05	1.6E-05	1.7E-05	2.3E-06	3.7E-02	1.9E-07	4.6E-05
THYROID	6.3E-07	3.0E-06	1.6E-05	9.4E-06	9.4E-06	9.4E-06	1.5E-05	3.3E-06	1.9E-07	6.2E-02	4.2E-05
UTERUS (NONGRVD)	3.0E-04	1.2E-05	2.7E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.0E-05	0.0	6.1E-07	5.3E-05
TOTAL BODY	5.0E-05	4.9E-05	4.4E-05	4.1E-05	4.1E-05	4.1E-05	3.2E-05	4.5E-05	4.1E-05	3.9E-05	4.1E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
GERMANIUM-68 HALF-LIFE 6.89E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	1.3E-03	1.8E-27	3.4E-13	1.7E-16	4.5E-17	1.5E-19	3.9E-08	9.7E-09	3.2E-08
BLADDER WALL	4.4E-27	3.6E-05	1.3E-20	3.3E-12	2.6E-12	1.1E-09	3.6E-21	4.5E-21	2.4E-30
BONE (TOTAL)	3.5E-09	2.0E-13	3.0E-10	1.7E-09	1.3E-09	4.1E-10	1.8E-09	4.8E-10	2.5E-10
GI (STOM WALL)	1.1E-12	2.2E-20	2.6E-05	4.5E-09	1.7E-08	9.8E-11	1.1E-11	3.0E-09	4.2E-09
GI (SI)	1.7E-16	1.2E-12	1.6E-09	2.0E-05	4.5E-08	2.0E-08	5.1E-11	1.3E-09	1.3E-19
GI (ULI WALL)	9.0E-17	1.3E-12	6.4E-09	3.5E-06	2.9E-05	8.1E-08	5.9E-12	1.5E-09	2.0E-19
GI (LLI WALL)	1.6E-19	2.7E-09	1.3E-11	2.2E-07	1.9E-08	4.7E-05	6.5E-14	2.2E-19	4.9E-22
KIDNEYS	3.5E-08	1.2E-21	3.0E-12	3.9E-11	2.5E-12	3.3E-14	6.5E-05	6.6E-09	5.1E-13
LIVER	2.4E-09	2.1E-21	1.7E-09	6.1E-10	1.2E-09	2.3E-19	3.5E-09	1.1E-05	6.8E-10
LUNGS	2.5E-09	2.9E-31	1.4E-09	3.5E-20	3.1E-20	2.0E-19	2.8E-10	7.8E-10	1.9E-05
MARROW (RED)	5.2E-09	2.2E-10	3.1E-10	7.2E-09	5.4E-09	1.7E-09	4.7E-09	5.0E-10	2.6E-10
OTH TISS (MUSC)	3.2E-08	1.7E-09	3.7E-10	5.5E-09	6.3E-10	6.0E-10	1.1E-08	4.9E-09	3.1E-08
OVARIES	1.6E-22	4.9E-11	1.6E-16	1.1E-07	1.6E-07	3.2E-07	2.9E-16	7.7E-17	3.6E-26
PANCREAS	2.4E-10	2.5E-24	6.5E-08	2.1E-13	1.8E-13	1.3E-16	1.8E-10	1.2E-08	6.7E-11
SKIN	5.1E-10	2.1E-10	1.1E-10	4.2E-10	6.7E-12	6.4E-10	1.3E-09	4.5E-10	3.7E-10
SPLEEN	3.3E-09	1.8E-24	8.8E-10	1.7E-12	4.5E-13	1.2E-14	4.9E-08	5.7E-15	5.2E-09
TESTES	4.8E-35	1.4E-11	2.3E-28	2.2E-20	9.7E-20	3.7E-12	3.0E-29	1.5E-28	5.8E-38
THYROID	1.4E-28	4.2E-27	3.9E-28	2.9E-37	3.6E-37	7.2E-40	5.5E-32	8.8E-27	3.2E-14
UTERUS (NONGRVD)	1.3E-23	3.1E-08	5.9E-18	1.1E-08	3.4E-11	4.0E-11	1.1E-17	1.4E-18	2.6E-27
TOTAL BODY	2.9E-07	1.4E-07	1.7E-07	2.5E-07	2.0E-07	2.2E-07	2.9E-07	2.9E-07	2.9E-07

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 GERMANIUM-68 HALF-LIFE 6.89E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON	R NARROW		SKIN	SPLEEN	TESTES	THYROID		
			CORT	BONE	TRA	BONE					
ADRENALS	1.6E-22	2.4E-10	4.6E-09	3.2E-09	3.2E-09	8.2E-10	8.7E-10	4.8E-35	1.4E-29	3.0E-07	
BLADDER WALL	1.4E-10	6.3E-24	7.3E-13	1.8E-13	1.8E-13	1.7E-09	4.6E-24	3.9E-11	6.0E-27	2.7E-07	
BONE (TOTAL)	2.1E-10	3.0E-10	4.9E-07	3.1E-06	3.1E-06	1.5E-08	6.9E-11	5.8E-13	1.4E-11	1.9E-07	
GI (STOM WALL)	6.4E-16	2.0E-08	1.2E-09	1.1E-09	1.1E-09	2.2E-09	6.8E-09	9.4E-28	1.4E-27	2.8E-07	
GI (SI)	2.4E-08	2.0E-13	2.6E-09	1.2E-09	1.2E-09	5.1E-10	1.4E-12	2.1E-20	3.1E-37	2.9E-07	
GI (ULI WALL)	7.3E-08	3.1E-13	5.3E-09	1.7E-09	1.7E-09	9.9E-10	9.3E-13	1.1E-19	6.3E-37	2.9E-07	
GI (LLI WALL)	8.2E-08	1.1E-16	1.2E-08	5.1E-09	5.1E-09	4.5E-10	1.4E-14	1.0E-11	5.7E-40	2.9E-07	
KIDNEYS	2.9E-16	1.8E-10	1.9E-09	2.4E-09	2.4E-09	1.4E-09	5.5E-08	3.2E-29	6.0E-32	2.8E-07	
LIVER	8.3E-17	1.2E-09	6.8E-10	9.8E-10	9.8E-10	3.7E-10	5.7E-15	1.8E-28	8.6E-27	2.9E-07	
LUNGS	3.5E-28	2.2E-11	1.2E-09	1.3E-09	1.3E-09	6.3E-10	5.1E-09	1.5E-38	1.3E-15	2.8E-07	
MARROW (RED)	8.9E-10	6.2E-10	1.0E-05	7.4E-07	8.2E-07	1.3E-08	7.2E-11	2.6E-11	2.1E-11	3.0E-07	
OTH TISS (MUSC)	3.3E-08	1.9E-08	4.2E-09	3.0E-09	3.0E-09	3.1E-08	9.4E-09	4.3E-10	2.7E-08	2.9E-07	
OVARIES	1.9E-03	4.1E-20	6.8E-10	1.7E-10	1.7E-10	6.8E-14	7.7E-19	0.0	1.6E-25	3.0E-07	
PANCREAS	3.7E-20	2.4E-04	3.6E-10	3.1E-09	3.1E-09	1.1E-10	1.5E-08	6.6E-32	8.4E-29	2.9E-07	
SKIN	6.8E-14	5.8E-11	3.9E-09	3.9E-09	3.9E-09	6.3E-06	6.1E-11	1.2E-08	4.0E-09	2.6E-07	
SPLEEN	8.0E-19	1.4E-08	1.2E-09	5.1E-09	5.1E-09	1.3E-09	1.1E-04	8.9E-32	4.6E-29	3.1E-07	
TESTES	0.0	6.6E-32	2.0E-11	1.4E-13	1.4E-13	6.8E-09	8.3E-32	5.4E-04	1.7E-30	3.0E-07	
THYROID	1.6E-25	8.2E-29	8.4E-10	1.0E-09	1.0E-09	9.8E-09	4.3E-29	1.7E-30	9.4E-04	3.3E-07	
UTERUS (NONGRVD)	1.4E-08	1.3E-20	5.0E-12	7.3E-13	7.3E-13	4.1E-10	5.9E-21	0.0	4.1E-26	3.0E-07	
TOTAL BODY	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.6E-07	2.9E-07	2.9E-07	2.9E-07	2.8E-07	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 ARSENIC-73 HALF-LIFE 1.93E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	1.0E-02	1.7E-09	1.4E-07	3.1E-08	3.7E-08	8.5E-09	8.3E-07	3.0E-07	1.6E-07	1.7E-07
BLADDER WALL	1.8E-09	3.4E-04	6.7E-09	1.2E-07	8.7E-08	3.8E-07	4.2E-09	2.7E-09	6.4E-10	1.1E-07
BONE (TOTAL)	1.9E-07	5.0E-08	6.3E-08	9.8E-08	8.7E-08	1.5E-07	1.2E-07	8.9E-08	1.3E-07	5.2E-08
GI (STOM WALL)	1.4E-07	5.7E-09	2.6E-04	2.1E-07	2.8E-07	9.2E-08	1.8E-07	1.1E-07	1.2E-07	8.4E-08
GI (SI)	2.6E-08	1.4E-07	1.4E-07	1.8E-04	1.3E-06	6.8E-07	1.4E-07	7.7E-08	4.4E-09	1.0E-07
GI (ULI WALL)	3.2E-08	9.9E-08	2.3E-07	1.1E-05	3.0E-04	4.7E-07	1.3E-07	1.4E-07	6.2E-09	1.8E-07
GI (LLI WALL)	5.2E-09	4.8E-07	5.5E-08	1.1E-06	2.3E-07	4.8E-04	2.2E-08	4.3E-09	1.0E-09	9.6E-08
KIDNEYS	7.8E-07	5.2E-09	1.9E-07	1.5E-07	1.4E-07	3.0E-08	4.8E-04	2.4E-07	3.5E-08	1.1E-07
LIVER	3.0E-07	3.4E-09	1.0E-07	9.0E-08	1.4E-07	5.7E-09	2.3E-07	8.3E-05	1.5E-07	7.3E-08
LUNGS	1.4E-07	2.1E-10	1.1E-07	5.6E-09	7.4E-09	1.5E-09	3.9E-08	1.7E-07	1.4E-04	1.6E-07
MARROW (RED)	3.3E-07	1.4E-07	9.8E-08	3.6E-07	3.1E-07	5.3E-07	3.2E-07	1.1E-07	1.6E-07	2.2E-07
OTH TISS (MUSC)	1.7E-07	1.1E-07	8.4E-08	1.0E-07	8.5E-08	9.6E-08	1.1E-07	7.3E-08	1.6E-07	5.0E-06
OVARIES	8.9E-09	4.1E-07	2.7E-08	1.0E-06	1.1E-06	2.1E-06	4.3E-08	1.8E-08	2.7E-09	2.0E-07
PANCREAS	5.4E-07	3.7E-09	1.4E-06	9.2E-08	9.4E-08	2.1E-08	3.7E-07	2.8E-07	1.5E-07	1.6E-07
SKIN	2.6E-08	2.7E-08	2.2E-08	1.8E-08	1.9E-08	2.3E-08	2.9E-08	2.3E-08	2.6E-08	1.3E-07
SPLEEN	4.0E-07	5.2E-09	6.8E-07	6.0E-08	7.0E-08	3.7E-08	7.3E-07	3.4E-08	1.4E-07	1.1E-07
TESTES	1.9E-10	3.1E-07	7.2E-10	6.1E-09	6.2E-09	9.7E-08	7.8E-10	5.2E-10	6.9E-11	6.4E-08
THYROID	1.3E-09	4.9E-12	8.3E-10	6.8E-11	7.9E-11	1.9E-11	3.3E-10	1.2E-09	2.8E-08	1.6E-07
UTERUS (NONGRVD)	3.5E-09	1.2E-06	1.8E-08	6.8E-07	3.2E-07	4.2E-07	2.2E-08	1.1E-08	2.2E-09	5.6E-07
TOTAL BODY	2.2E-06	6.2E-07	9.6E-07	1.9E-06	1.3E-06	1.5E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06

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(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
ARSENIC-73 HALF-LIFE 1.93E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID				
			R MARROW	CORT BONE	TRA BONE							
ADRENALS	7.8E-09	5.3E-07	9.8E-08	7.5E-08	7.5E-08	2.7E-08	3.9E-07	1.9E-10	1.3E-09	2.2E-06		
BLADDER WALL	4.5E-07	2.2E-09	4.1E-08	1.8E-08	1.8E-08	2.7E-08	2.7E-09	2.9E-07	5.0E-12	2.2E-06		
BONE (TOTAL)	1.3E-07	1.1E-07	2.5E-06	2.8E-05	2.6E-05	1.3E-07	9.4E-08	5.0E-08	7.2E-08	2.0E-06		
GI (STOM WALL)	2.8E-08	1.3E-06	4.1E-08	2.3E-08	2.3E-08	3.5E-08	6.8E-07	7.3E-10	2.3E-09	2.2E-06		
GI (SI)	8.9E-07	7.4E-08	1.3E-07	3.9E-08	3.9E-08	2.1E-08	5.9E-08	9.6E-09	5.3E-11	2.2E-06		
GI (ULI WALL)	9.4E-07	9.6E-08	1.1E-07	3.4E-08	3.4E-08	2.5E-08	6.9E-08	8.1E-09	8.0E-11	2.2E-06		
GI (LLI WALL)	1.2E-06	2.0E-08	1.9E-07	6.1E-08	6.1E-08	2.0E-08	2.4E-08	1.5E-07	1.5E-11	2.2E-06		
KIDNEYS	3.1E-08	3.8E-07	1.1E-07	4.4E-08	4.4E-08	3.7E-08	7.5E-07	5.0E-10	3.2E-10	2.2E-06		
LIVER	1.6E-08	2.6E-07	3.8E-08	3.0E-08	3.0E-08	2.8E-08	3.5E-08	3.7E-10	2.3E-09	2.2E-06		
LUNGS	1.1E-09	1.5E-07	5.9E-08	5.4E-08	5.4E-08	3.5E-08	1.5E-07	2.6E-11	4.5E-08	2.2E-06		
MARROW (RED)	5.1E-07	2.0E-07	8.7E-05	2.4E-06	7.1E-06	1.2E-07	1.2E-07	3.7E-08	7.3E-08	2.3E-06		
OTH TISS (MUSC)	2.0E-07	1.6E-07	6.6E-08	5.2E-08	5.2E-08	1.3E-07	1.1E-07	6.4E-08	1.6E-07	2.2E-06		
OVARIES	1.4E-02	1.5E-08	2.0E-07	3.7E-08	3.7E-08	2.1E-08	1.4E-08	0.0	1.5E-11	2.3E-06		
PANCREAS	1.1E-08	1.6E-03	7.7E-08	4.5E-08	4.5E-08	1.7E-08	1.4E-06	4.0E-10	1.0E-09	2.2E-06		
SKIN	1.6E-08	1.6E-08	3.5E-08	3.9E-08	3.9E-08	5.3E-05	2.3E-08	1.2E-07	5.2E-08	2.1E-06		
SPLEEN	1.2E-08	1.5E-06	4.2E-08	4.5E-08	4.5E-08	3.2E-08	8.2E-04	2.7E-10	1.5E-09	2.3E-06		
TESTES	0.0	4.0E-10	1.2E-08	2.1E-08	2.1E-08	7.5E-08	3.4E-10	4.1E-03	8.1E-13	2.2E-06		
THYROID	1.5E-11	1.2E-09	2.6E-08	3.6E-08	3.6E-08	6.5E-08	7.7E-10	8.1E-13	7.2E-03	2.3E-06		
UTERUS (NONGRVD)	1.5E-06	1.2E-08	9.5E-08	1.9E-08	1.9E-08	2.2E-08	8.7E-09	0.0	1.4E-11	2.3E-06		
TOTAL BODY	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.1E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06		

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.
DATE OF ISSUE-05-13-75

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
ARSENIC-74 HALF-LIFE 430. HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	4.3E-02	1.3E-06	1.2E-05	6.7E-06	5.7E-06	2.7E-06	6.8E-05	2.6E-05	1.3E-05	8.3E-06
BLADDER WALL	7.0E-07	1.8E-03	2.5E-06	1.8E-05	1.1E-05	3.0E-05	2.2E-06	1.8E-06	4.2E-07	9.7E-06
BONE (TOTAL)	7.4E-06	3.2E-06	3.3E-06	4.3E-06	3.9E-06	5.6E-06	5.3E-06	4.0E-06	5.4E-06	6.0E-06
GI (STOM WALL)	1.6E-05	1.9E-06	1.4E-03	1.8E-05	2.0E-05	9.6E-06	1.8E-05	1.0E-05	1.0E-05	7.6E-06
GI (SI)	5.2E-06	1.4E-05	1.4E-05	8.8E-04	8.8E-05	4.8E-05	1.5E-05	8.6E-06	1.6E-06	8.4E-06
GI (ULI WALL)	5.8E-06	1.3E-05	1.8E-05	1.2E-04	1.5E-03	2.3E-05	1.6E-05	1.4E-05	2.1E-06	8.9E-06
GI (LLI WALL)	1.9E-06	3.8E-05	7.0E-06	3.7E-05	1.6E-05	2.4E-03	4.8E-06	1.7E-06	4.4E-07	9.2E-06
KIDNEYS	6.2E-05	2.1E-06	1.8E-05	1.7E-05	1.5E-05	4.6E-06	2.2E-03	2.0E-05	5.7E-06	7.8E-06
LIVER	2.6E-05	1.6E-06	1.1E-05	9.8E-06	1.3E-05	1.9E-06	2.2E-05	4.6E-04	1.3E-05	6.1E-06
LUNGS	1.3E-05	2.9E-07	1.0E-05	1.8E-06	1.9E-06	6.0E-07	5.2E-06	1.3E-05	6.5E-04	7.3E-06
MARROW (RED)	1.3E-05	6.8E-06	5.6E-06	1.3E-05	1.2E-05	1.7E-05	1.3E-05	5.8E-06	6.8E-06	7.5E-06
OTH TISS (MUSC)	8.3E-06	9.7E-06	7.6E-06	8.4E-06	8.0E-06	9.2E-06	7.8E-06	6.1E-06	7.3E-06	2.9E-05
OVARIES	3.0E-06	3.3E-05	3.4E-06	4.9E-05	6.5E-05	8.7E-05	6.6E-06	1.4E-06	8.5E-07	1.1E-05
PANCREAS	4.6E-05	1.4E-06	9.4E-05	1.1E-05	9.9E-06	4.1E-06	3.6E-05	2.6E-05	1.5E-05	9.8E-06
SKIN	3.8E-06	3.6E-06	3.3E-06	2.9E-06	3.0E-06	3.2E-06	3.6E-06	3.3E-06	3.7E-06	5.0E-06
SPLEEN	3.5E-05	1.3E-06	5.1E-05	8.5E-06	6.8E-06	5.2E-06	4.5E-05	5.6E-06	1.2E-05	8.0E-06
TESTES	4.0E-07	2.8E-05	2.4E-07	2.1E-06	2.9E-06	1.1E-05	8.4E-07	7.3E-07	1.4E-07	6.8E-06
THYROID	1.1E-06	5.7E-08	8.5E-07	2.3E-07	2.5E-07	1.1E-07	5.3E-07	1.0E-06	6.7E-06	7.5E-06
UTERUS (NONGRVD)	2.1E-06	8.0E-05	4.9E-06	4.7E-05	2.4E-05	3.0E-05	4.5E-06	2.4E-06	5.4E-07	1.1E-05
TOTAL BODY	1.7E-05	1.1E-05	1.2E-05	1.7E-05	1.4E-05	1.5E-05	1.7E-05	1.7E-05	1.6E-05	1.6E-05

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.

DATE OF ISSUE-05-13-75

74As

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)

ARSENIC-74 HALF-LIFE 430. HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID				
			R MARROW	CORT BONE	TRA BONE							
ADRENALS	3.3E-06	4.5E-05	1.0E-05	9.4E-06	9.4E-06	3.7E-06	3.4E-05	4.0E-07	1.1E-06	4.0E-07	1.1E-06	2.0E-05
BLADDER WALL	3.6E-05	1.0E-06	4.0E-06	3.4E-06	3.4E-06	3.5E-06	8.9E-07	2.8E-05	5.8E-08	2.8E-05	5.8E-08	1.8E-05
BONE (TOTAL)	5.0E-06	5.0E-06	4.3E-05	1.3E-04	8.8E-05	4.6E-06	4.2E-06	3.6E-06	4.1E-06	3.6E-06	4.1E-06	1.6E-05
GI (STOM WALL)	4.5E-06	9.2E-05	5.6E-06	3.2E-06	3.2E-06	3.6E-06	5.3E-05	6.2E-07	7.1E-07	6.2E-07	7.1E-07	1.8E-05
GI (SI)	6.4E-05	9.6E-06	1.5E-05	4.4E-06	4.4E-06	3.1E-06	7.5E-06	2.9E-06	6.5E-08	2.9E-06	6.5E-08	1.9E-05
GI (ULI WALL)	6.0E-05	1.2E-05	1.1E-05	3.9E-06	3.9E-06	3.2E-06	7.6E-06	1.8E-06	8.3E-08	1.8E-06	8.3E-08	1.9E-05
GI (LLI WALL)	7.6E-05	2.9E-06	1.7E-05	5.2E-06	5.2E-06	3.3E-06	3.8E-06	1.5E-05	8.9E-08	1.5E-05	8.9E-08	1.9E-05
KIDNEYS	6.2E-06	3.4E-05	1.3E-05	5.2E-06	5.2E-06	4.1E-06	4.6E-05	5.9E-07	3.2E-07	5.9E-07	3.2E-07	1.8E-05
LIVER	3.4E-06	2.2E-05	5.6E-06	3.9E-06	3.9E-06	3.7E-06	5.8E-06	3.2E-07	9.0E-07	3.2E-07	9.0E-07	1.8E-05
LUNGS	6.5E-07	1.3E-05	6.6E-06	5.4E-06	5.4E-06	3.7E-06	1.2E-05	9.0E-08	5.9E-06	9.0E-08	5.9E-06	1.7E-05
MARROW (RED)	1.7E-05	9.4E-06	3.1E-04	2.2E-05	1.7E-04	4.3E-06	6.2E-06	2.9E-06	4.5E-06	2.9E-06	4.5E-06	1.7E-05
OTH TISS (MUSC)	1.1E-05	9.8E-06	7.1E-06	6.0E-06	6.0E-06	5.0E-06	8.0E-06	6.8E-06	7.5E-06	6.8E-06	7.5E-06	1.6E-05
OVARIES	5.6E-02	2.5E-06	1.9E-05	5.8E-06	5.8E-06	1.9E-06	5.4E-06	0.0	1.1E-07	0.0	1.1E-07	1.7E-05
PANCREAS	3.3E-06	6.9E-03	9.0E-06	5.0E-06	5.0E-06	3.1E-06	1.0E-04	2.6E-07	3.7E-07	2.6E-07	3.7E-07	1.7E-05
SKIN	2.9E-06	2.8E-06	4.1E-06	4.8E-06	4.8E-06	2.3E-04	3.5E-06	8.7E-06	4.8E-06	8.7E-06	4.8E-06	1.3E-05
SPLEEN	3.7E-06	1.0E-04	4.6E-06	4.6E-06	4.6E-06	3.7E-06	3.9E-03	6.7E-07	7.6E-07	6.7E-07	7.6E-07	1.8E-05
TESTES	0.0	3.9E-07	2.4E-06	3.2E-06	3.2E-06	4.6E-06	5.4E-07	1.8E-02	2.1E-08	1.8E-02	2.1E-08	1.8E-05
THYROID	1.1E-07	9.1E-07	5.0E-06	5.7E-06	5.7E-06	4.5E-06	8.3E-07	2.1E-08	3.1E-02	2.1E-08	3.1E-02	1.6E-05
UTERUS (NONGRVD)	9.7E-05	3.4E-06	1.0E-05	3.4E-06	3.4E-06	3.3E-06	2.7E-06	0.0	1.0E-07	0.0	1.0E-07	1.8E-05
TOTAL BODY	1.9E-05	1.9E-05	1.7E-05	1.6E-05	1.6E-05	1.3E-05	1.7E-05	1.6E-05	1.5E-05	1.6E-05	1.5E-05	1.6E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
SELENIUM-73 HALF-LIFE 7.20 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				LLI CONTENTS
ADRENALS	6.3E-02	1.7E-06	1.8E-05	1.0E-05	7.9E-06	3.8E-06	9.8E-05	2.0E-05	1.2E-05
BLADDER WALL	8.9E-07	2.7E-03	3.3E-06	2.6E-05	1.6E-05	4.7E-05	2.9E-06	2.4E-06	5.5E-07
BONE (TOTAL)	1.2E-05	5.1E-06	5.3E-06	7.0E-06	6.4E-06	9.4E-06	8.7E-06	6.5E-06	8.9E-06
GI (STON WALL)	2.4E-05	2.5E-06	2.1E-03	2.8E-05	3.0E-05	1.5E-05	2.7E-05	1.5E-05	1.1E-05
GI (SI)	7.4E-06	2.2E-05	2.1E-05	1.3E-03	1.3E-04	7.4E-05	2.2E-05	1.3E-05	2.1E-06
GI (ULI WALL)	8.2E-06	1.9E-05	2.7E-05	1.9E-04	2.2E-03	3.4E-05	2.3E-05	2.1E-05	2.8E-06
GI (LLI WALL)	2.6E-06	5.8E-05	1.0E-05	5.6E-05	2.4E-05	3.5E-03	6.9E-06	2.4E-06	6.5E-07
KIDNEYS	9.3E-05	2.9E-06	2.7E-05	2.5E-05	2.2E-05	6.8E-06	3.3E-03	3.1E-05	8.1E-06
LIVER	4.0E-05	2.1E-06	1.6E-05	1.5E-05	2.0E-05	2.6E-06	3.2E-05	6.7E-04	1.9E-05
LUNGS	1.9E-05	3.5E-07	1.5E-05	2.5E-06	2.6E-06	7.8E-07	7.5E-06	2.0E-05	9.5E-04
MARROW (RED)	2.2E-05	1.1E-05	9.2E-06	2.3E-05	2.0E-05	2.9E-05	2.2E-05	9.4E-06	1.1E-05
OTH TISS (MUSC)	1.2E-05	1.4E-05	1.1E-05	1.3E-05	1.2E-05	1.4E-05	1.2E-05	9.0E-06	1.1E-05
OVARIES	4.3E-06	5.3E-05	4.1E-06	7.5E-05	1.0E-04	1.4E-04	9.4E-06	2.1E-06	1.2E-06
PANCREAS	6.9E-05	2.1E-06	1.4E-04	1.7E-05	1.5E-05	5.9E-06	5.3E-05	3.7E-05	2.2E-05
SKIN	5.3E-06	5.1E-06	4.6E-06	4.1E-06	4.3E-06	4.6E-06	5.2E-06	4.7E-06	5.3E-06
SPLEEN	5.3E-05	1.8E-06	7.9E-05	1.3E-05	1.0E-05	7.3E-06	6.9E-05	7.9E-06	1.8E-05
TESTES	5.2E-07	4.1E-05	2.7E-07	2.8E-06	3.8E-06	1.6E-05	1.1E-06	8.6E-07	1.8E-07
THYROID	1.5E-06	6.7E-08	1.1E-06	2.9E-07	3.1E-07	1.3E-07	7.0E-07	1.5E-06	9.0E-06
UTERUS (NONGRVD)	5.4E-06	1.2E-04	6.9E-06	7.2E-05	3.7E-05	4.8E-05	6.9E-06	3.4E-06	7.6E-07
TOTAL BODY	2.6E-05	1.7E-05	1.8E-05	2.6E-05	2.1E-05	2.3E-05	2.6E-05	2.6E-05	2.4E-05

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73Se

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 SELENIUM-73 HALF-LIFE 7.20 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	BONE				
			CORT	TRA								
ADRENALS	4.4E-06	6.9E-05	1.3E-05	1.3E-05	5.5E-06	5.0E-05	5.2E-07	1.5E-06	5.0E-05	5.2E-07	1.5E-06	2.9E-05
BLADDER WALL	5.5E-05	1.5E-06	5.0E-06	5.0E-06	4.9E-06	1.1E-06	4.1E-05	6.7E-08	1.1E-06	4.1E-05	6.7E-08	2.7E-05
BONE (TOTAL)	8.4E-06	8.2E-06	2.0E-04	1.3E-04	7.2E-06	6.8E-06	5.6E-06	6.5E-06	6.8E-06	5.6E-06	6.5E-06	2.5E-05
GI (STOM WALL)	6.6E-06	1.4E-04	4.7E-06	4.7E-06	5.1E-06	8.0E-05	8.1E-07	9.0E-07	8.0E-05	8.1E-07	9.0E-07	2.6E-05
GI (SI)	9.7E-05	1.4E-05	6.4E-06	6.4E-06	4.3E-06	1.1E-05	4.0E-06	7.3E-08	1.1E-05	4.0E-06	7.3E-08	2.8E-05
GI (ULI WALL)	9.1E-05	1.7E-05	5.7E-06	5.7E-06	4.5E-06	1.1E-05	2.6E-06	8.9E-08	1.1E-05	2.6E-06	8.9E-08	2.8E-05
GI (LLI WALL)	1.2E-04	4.3E-06	7.8E-06	7.8E-06	4.7E-06	5.5E-06	2.3E-05	1.1E-07	5.5E-06	2.3E-05	1.1E-07	2.8E-05
KIDNEYS	8.8E-06	5.1E-05	7.3E-06	7.3E-06	5.9E-06	7.0E-05	7.4E-07	3.8E-07	7.0E-05	7.4E-07	3.8E-07	2.6E-05
LIVER	4.8E-06	3.4E-05	5.6E-06	5.6E-06	5.3E-06	8.5E-06	3.9E-07	1.2E-06	8.5E-06	3.9E-07	1.2E-06	2.6E-05
LUNGS	8.3E-07	2.0E-05	7.9E-06	7.9E-06	5.4E-06	1.8E-05	1.1E-07	8.4E-06	1.8E-05	1.1E-07	8.4E-06	2.4E-05
MARROW (RED)	2.9E-05	1.5E-05	3.6E-05	2.5E-04	6.7E-06	1.0E-05	4.5E-06	7.1E-06	1.0E-05	4.5E-06	7.1E-06	2.6E-05
OTH TISS (MUSC)	1.6E-05	1.5E-05	8.8E-06	8.8E-06	7.1E-06	1.2E-05	9.9E-06	1.1E-05	1.2E-05	9.9E-06	1.1E-05	2.3E-05
OVARIES	8.2E-02	3.0E-06	8.1E-06	8.1E-06	2.7E-06	7.6E-06	0.0	1.3E-07	7.6E-06	0.0	1.3E-07	2.6E-05
PANCREAS	4.3E-06	1.0E-02	7.5E-06	7.5E-06	4.6E-06	1.6E-04	3.5E-07	5.9E-07	1.6E-04	3.5E-07	5.9E-07	2.7E-05
SKIN	4.1E-06	3.9E-06	6.7E-06	6.7E-06	3.4E-04	4.9E-06	1.3E-05	6.9E-06	4.9E-06	1.3E-05	6.9E-06	1.9E-05
SPLEEN	5.3E-06	1.6E-04	6.5E-06	6.5E-06	5.2E-06	5.7E-03	8.6E-07	1.0E-06	5.7E-03	8.6E-07	1.0E-06	2.6E-05
TESTES	0.0	5.1E-07	4.7E-06	4.7E-06	7.1E-06	7.1E-07	2.7E-02	2.4E-08	7.1E-07	2.7E-02	2.4E-08	2.6E-05
THYROID	1.3E-07	1.4E-06	8.5E-06	8.5E-06	6.6E-06	1.1E-06	2.4E-08	4.6E-02	1.1E-06	2.4E-08	4.6E-02	2.3E-05
UTERUS (NONGRVD)	1.5E-04	5.0E-06	4.7E-06	4.7E-06	4.3E-06	3.6E-06	0.0	1.2E-07	3.6E-06	0.0	1.2E-07	2.7E-05
TOTAL BODY	2.8E-05	2.8E-05	2.4E-05	2.4E-05	1.9E-05	2.6E-05	2.3E-05	2.2E-05	2.6E-05	2.3E-05	2.2E-05	2.4E-05

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 SELENIUM-75 HALF-LIFE 2.88E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	4.0E-03	5.4E-07	6.9E-06	3.8E-06	2.6E-06	1.2E-06	3.0E-05	1.4E-05	7.1E-06	4.1E-06
BLADDER WALL	3.4E-07	2.8E-04	8.1E-07	7.8E-06	6.0E-06	1.8E-05	9.0E-07	5.6E-07	1.4E-07	5.0E-06
BONE (TOTAL)	4.7E-06	2.2E-06	2.1E-06	2.9E-06	2.6E-06	3.8E-06	3.4E-06	2.6E-06	3.4E-06	2.9E-06
GI (STOM WALL)	8.3E-06	8.1E-07	2.1E-04	1.0E-05	1.0E-05	5.0E-06	9.7E-06	5.4E-06	5.2E-06	3.8E-06
GI (SI)	2.4E-06	8.1E-06	7.4E-06	1.3E-04	4.7E-05	2.6E-05	8.0E-06	4.6E-06	6.0E-07	4.4E-06
GI (ULI WALL)	2.7E-06	6.5E-06	9.8E-06	7.0E-05	1.9E-04	1.2E-05	8.1E-06	7.0E-06	7.5E-07	4.6E-06
GI (LLI WALL)	7.1E-07	2.0E-05	3.6E-06	2.0E-05	8.6E-06	2.6E-04	2.3E-06	7.2E-07	2.6E-07	4.7E-06
KIDNEYS	3.2E-05	8.4E-07	9.8E-06	8.8E-06	7.8E-06	2.6E-06	3.3E-04	1.1E-05	2.6E-06	3.9E-06
LIVER	1.4E-05	6.1E-07	5.6E-06	5.2E-06	7.2E-06	8.1E-07	1.1E-05	9.3E-05	6.9E-06	3.0E-06
LUNGS	6.9E-06	8.5E-08	4.9E-06	7.4E-07	8.0E-07	2.5E-07	2.4E-06	7.0E-06	8.0E-05	3.7E-06
MARROW (RED)	8.5E-06	5.0E-06	3.8E-06	9.6E-06	8.3E-06	1.1E-05	8.8E-06	3.8E-06	4.4E-06	4.7E-06
OTH TISS (MUSC)	4.1E-06	5.0E-06	3.9E-06	4.4E-06	4.1E-06	4.7E-06	3.9E-06	3.0E-06	3.7E-06	5.3E-06
OVARIES	1.7E-06	2.0E-05	1.3E-06	2.9E-05	3.3E-05	5.2E-05	3.3E-06	1.2E-06	3.4E-07	5.6E-06
PANCREAS	2.4E-05	7.7E-07	5.0E-05	5.8E-06	6.4E-06	2.0E-06	1.8E-05	1.2E-05	7.3E-06	5.0E-06
SKIN	1.6E-06	1.6E-06	1.4E-06	1.3E-06	1.3E-06	1.5E-06	1.6E-06	1.5E-06	1.7E-06	2.3E-06
SPLEEN	1.8E-05	9.2E-07	2.8E-05	4.4E-06	3.9E-06	2.3E-06	2.4E-05	2.7E-06	6.4E-06	4.1E-06
TESTES	1.3E-07	1.3E-05	1.5E-07	9.7E-07	9.8E-07	5.5E-06	3.3E-07	2.4E-07	3.9E-08	3.3E-06
THYROID	4.5E-07	1.3E-08	3.3E-07	6.8E-08	7.4E-08	2.8E-08	1.9E-07	5.5E-07	2.7E-06	3.7E-06
UTERUS (NONGRVD)	4.4E-06	4.3E-05	2.3E-06	2.6E-05	1.4E-05	1.9E-05	2.8E-06	1.1E-06	2.6E-07	6.5E-06
TOTAL BODY	5.3E-06	5.4E-06	5.2E-06	6.1E-06	5.8E-06	5.8E-06	5.3E-06	5.3E-06	4.7E-06	4.4E-06

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(CONTINUED)

S. ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
SELENIUM-75 HALF-LIFE 2.88E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID				
			R MARROW	CORT BONE	TRA BONE							
ADRENALS	1.2E-06	2.4E-05	6.7E-06	3.7E-06	3.7E-06	2.1E-06	1.8E-05	1.3E-07	4.5E-07	6.0E-06		
BLADDER WALL	2.0E-05	4.5E-07	2.3E-06	1.5E-06	1.5E-06	1.5E-06	4.2E-07	1.4E-05	1.3E-08	5.5E-06		
BONE (TOTAL)	3.5E-06	3.3E-06	8.4E-06	1.8E-05	1.7E-05	2.5E-06	2.7E-06	2.2E-06	2.5E-06	5.3E-06		
GI (STOM WALL)	2.3E-06	5.0E-05	2.9E-06	1.6E-06	1.6E-06	1.6E-06	2.7E-05	1.6E-07	1.7E-07	5.6E-06		
GI (SI)	3.4E-05	5.2E-06	7.4E-06	2.2E-06	2.2E-06	1.4E-06	4.0E-06	1.2E-06	3.4E-08	6.1E-06		
GI (ULI WALL)	3.1E-05	6.2E-06	5.9E-06	2.0E-06	2.0E-06	1.4E-06	3.7E-06	9.6E-07	3.1E-08	5.8E-06		
GI (LLI WALL)	4.0E-05	1.6E-06	8.3E-06	2.9E-06	2.9E-06	1.5E-06	1.8E-06	7.8E-06	2.3E-08	5.5E-06		
KIDNEYS	2.8E-06	1.8E-05	6.4E-06	2.5E-06	2.5E-06	1.8E-06	2.5E-05	1.7E-07	1.1E-07	5.4E-06		
LIVER	1.6E-06	1.2E-05	2.7E-06	1.9E-06	1.9E-06	1.6E-06	2.9E-06	1.1E-07	3.4E-07	5.2E-06		
LUNGS	2.2E-07	7.0E-06	3.4E-06	2.7E-06	2.7E-06	1.8E-06	6.3E-06	3.1E-08	2.7E-06	4.6E-06		
MARROW (RED)	1.2E-05	6.4E-06	4.5E-05	1.1E-05	1.3E-05	2.4E-06	4.1E-06	1.8E-06	2.7E-06	6.1E-06		
OTH TISS (MUSC)	5.6E-06	5.0E-06	3.5E-06	2.9E-06	2.9E-06	2.3E-06	4.1E-06	3.3E-06	3.7E-06	4.4E-06		
OVARIES	5.9E-03	1.0E-06	8.0E-06	2.2E-06	2.2E-06	1.2E-06	1.8E-06	0.0	2.6E-08	5.7E-06		
PANCREAS	1.4E-06	1.0E-03	4.7E-06	2.8E-06	2.8E-06	1.5E-06	5.3E-05	1.7E-07	2.5E-07	6.2E-06		
SKIN	1.3E-06	1.2E-06	1.9E-06	2.1E-06	2.1E-06	1.9E-05	1.5E-06	4.1E-06	2.2E-06	2.8E-06		
SPLEEN	1.6E-06	5.4E-05	2.5E-06	1.9E-06	1.9E-06	1.6E-06	5.8E-04	1.2E-07	3.3E-07	5.5E-06		
TESTES	0.0	1.9E-07	1.1E-06	1.7E-06	1.7E-06	2.7E-06	1.9E-07	2.1E-03	3.8E-09	4.2E-06		
THYROID	2.7E-08	4.2E-07	2.1E-06	2.6E-06	2.6E-06	2.1E-06	3.2E-07	3.8E-09	3.3E-03	4.0E-06		
UTERUS (NONGRVD)	5.7E-05	1.7E-06	6.2E-06	1.7E-06	1.7E-06	1.2E-06	1.2E-06	0.0	2.5E-08	6.3E-06		
TOTAL BODY	6.3E-06	6.2E-06	5.1E-06	4.6E-06	4.6E-06	2.8E-06	5.3E-06	4.4E-06	4.1E-06	4.6E-06		

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
SELENIUM-77M HALF-LIFE 4.88E-03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			LIVER	LUNGS	OTHER TISSUE (MUSCLE)		
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				LLI CONTENTS	
ADRENALS	1.2E-02	1.1E-07	1.7E-06	8.1E-07	6.0E-07	2.6E-07	6.9E-06	3.1E-06	1.7E-06	9.5E-07
BLADDER WALL	8.4E-08	4.6E-04	1.6E-07	1.7E-06	1.4E-06	4.4E-06	1.9E-07	1.0E-07	2.7E-08	1.1E-06
BONE (TOTAL)	1.2E-06	5.6E-07	5.5E-07	7.6E-07	6.8E-07	9.7E-07	8.7E-07	6.7E-07	8.8E-07	6.5E-07
GI (STOM WALL)	1.9E-06	1.8E-07	3.6E-04	2.4E-06	2.4E-06	1.2E-06	2.3E-06	1.2E-06	1.2E-06	8.5E-07
GI (SI)	5.4E-07	1.9E-06	1.7E-06	2.3E-04	1.1E-05	6.1E-06	1.9E-06	1.1E-06	1.2E-07	1.0E-06
GI (ULI WALL)	6.0E-07	1.5E-06	2.3E-06	1.7E-05	4.0E-04	2.8E-06	1.9E-06	1.6E-06	1.5E-07	1.1E-06
GI (LLI WALL)	1.4E-07	4.7E-06	8.0E-07	4.8E-06	2.0E-06	6.4E-04	5.0E-07	1.5E-07	5.6E-08	1.1E-06
KIDNEYS	7.4E-06	1.8E-07	2.3E-06	2.0E-06	1.8E-06	5.8E-07	5.9E-04	2.5E-06	5.6E-07	8.9E-07
LIVER	3.2E-06	1.2E-07	1.3E-06	1.2E-06	1.7E-06	1.7E-07	2.5E-06	1.1E-04	1.6E-06	6.9E-07
LUNGS	1.6E-06	1.6E-08	1.1E-06	1.5E-07	1.7E-07	5.3E-08	5.5E-07	1.6E-06	1.8E-04	8.5E-07
MARROW (RED)	2.2E-06	1.3E-06	9.8E-07	2.5E-06	2.2E-06	3.0E-06	2.3E-06	9.8E-07	1.1E-06	1.2E-06
OTH TISS (MUSC)	9.5E-07	1.1E-06	9.0E-07	1.0E-06	9.5E-07	1.1E-06	8.9E-07	6.9E-07	8.5E-07	6.8E-06
OVARIES	3.9E-07	4.8E-06	3.1E-07	7.0E-06	7.6E-06	1.2E-05	7.6E-07	3.0E-07	6.8E-08	1.3E-06
PANCREAS	5.8E-06	1.7E-07	1.2E-05	1.3E-06	1.5E-06	4.7E-07	4.2E-06	2.7E-06	1.7E-06	1.2E-06
SKIN	3.5E-07	3.6E-07	2.9E-07	2.8E-07	2.8E-07	3.3E-07	3.5E-07	3.3E-07	3.6E-07	5.0E-07
SPLEEN	4.2E-06	3.2E-07	6.5E-06	1.0E-06	9.3E-07	5.1E-07	5.6E-06	6.0E-07	1.5E-06	9.4E-07
TESTES	2.4E-08	3.0E-06	3.7E-08	2.1E-07	1.9E-07	1.2E-06	6.4E-08	4.6E-08	6.3E-09	7.4E-07
THYROID	9.1E-08	1.7E-09	6.4E-08	1.2E-08	1.3E-08	4.3E-09	3.6E-08	1.1E-07	5.8E-07	8.5E-07
UTERUS (NONGRVD)	1.0E-06	1.0E-05	5.2E-07	6.2E-06	3.3E-06	4.6E-06	6.5E-07	2.5E-07	5.7E-08	1.6E-06
TOTAL BODY	3.5E-06	1.5E-06	1.9E-06	3.2E-06	2.4E-06	2.7E-06	3.5E-06	3.5E-06	3.4E-06	3.3E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 SELENIUM-77M HALF-LIFE 4.88E-03 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	2.2E-07	5.8E-06	1.6E-06	7.4E-07	7.4E-07	4.8E-07	4.1E-06	2.4E-08	9.1E-08	3.6E-06	
BLADDER WALL	4.6E-06	9.6E-08	5.9E-07	3.2E-07	3.2E-07	3.3E-07	8.9E-08	3.1E-06	1.7E-09	3.5E-06	
BONE (TOTAL)	9.2E-07	8.7E-07	8.0E-06	3.6E-05	2.7E-05	6.2E-07	6.9E-07	5.6E-07	6.2E-07	3.6E-06	
GI (STOM WALL)	5.2E-07	1.2E-05	6.6E-07	3.7E-07	3.7E-07	3.5E-07	6.4E-06	2.4E-08	2.8E-08	3.5E-06	
GI (SI)	7.8E-06	1.2E-06	1.7E-06	4.8E-07	4.8E-07	3.0E-07	9.3E-07	2.5E-07	7.6E-09	3.7E-06	
GI (ULI WALL)	7.3E-06	1.4E-06	1.4E-06	4.6E-07	4.6E-07	3.0E-07	8.9E-07	2.2E-07	7.3E-09	3.6E-06	
GI (LLI WALL)	9.4E-06	3.7E-07	1.9E-06	6.8E-07	6.8E-07	3.2E-07	4.0E-07	1.8E-06	3.5E-09	3.5E-06	
KIDNEYS	6.1E-07	4.2E-06	1.4E-06	5.6E-07	5.6E-07	3.9E-07	5.9E-06	3.0E-08	2.3E-08	3.5E-06	
LIVER	3.6E-07	2.9E-06	6.1E-07	4.3E-07	4.3E-07	3.5E-07	6.5E-07	2.3E-08	6.7E-08	3.5E-06	
LUNGS	4.2E-08	1.6E-06	7.7E-07	6.2E-07	6.2E-07	3.9E-07	1.5E-06	5.6E-09	6.1E-07	3.3E-06	
MARROW (RED)	3.2E-06	1.7E-06	9.6E-05	3.2E-06	3.3E-05	5.9E-07	1.0E-06	4.5E-07	6.8E-07	3.8E-06	
OTH TISS (MUSC)	1.3E-06	1.2E-06	7.9E-07	6.5E-07	6.5E-07	5.0E-07	9.4E-07	7.4E-07	8.5E-07	3.3E-06	
OVARIES	1.6E-02	2.4E-07	1.9E-06	4.6E-07	4.6E-07	2.7E-07	3.0E-07	0.0	4.0E-09	3.6E-06	
PANCREAS	3.2E-07	1.8E-03	1.1E-06	6.1E-07	6.1E-07	3.2E-07	1.2E-05	4.1E-08	5.6E-08	3.7E-06	
SKIN	2.8E-07	2.7E-07	4.1E-07	4.5E-07	4.5E-07	6.5E-05	3.1E-07	9.1E-07	4.9E-07	2.9E-06	
SPLEEN	3.3E-07	1.2E-05	6.0E-07	4.0E-07	4.0E-07	3.6E-07	1.0E-03	1.2E-08	7.2E-08	3.5E-06	
TESTES	0.0	4.1E-08	2.6E-07	4.1E-07	4.1E-07	6.3E-07	3.6E-08	5.0E-03	4.3E-10	3.1E-06	
THYROID	4.0E-09	8.5E-08	4.5E-07	5.4E-07	5.4E-07	4.7E-07	6.3E-08	4.4E-10	8.7E-03	3.1E-06	
UTERUS (NONGRVD)	1.4E-05	3.7E-07	1.5E-06	3.8E-07	3.8E-07	2.6E-07	2.6E-07	0.0	3.7E-09	3.8E-06	
TOTAL BODY	3.7E-06	3.7E-06	3.5E-06	3.4E-06	3.4E-06	2.9E-06	3.5E-06	3.3E-06	3.2E-06	3.3E-06	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
BROMINE-77 HALF-LIFE 56.0 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	2.9E-03	5.3E-07	5.2E-06	3.1E-06	2.4E-06	1.1E-06	2.8E-05	1.2E-05	5.8E-06	3.6E-06
BLADDER WALL	3.0E-07	2.3E-04	9.4E-07	7.2E-06	4.7E-06	1.4E-05	8.8E-07	6.5E-07	1.6E-07	4.2E-06
BONE (TOTAL)	3.4E-06	1.5E-06	1.5E-06	2.0E-06	1.8E-06	2.6E-06	2.4E-06	1.8E-06	2.5E-06	2.6E-06
GI (STOM WALL)	6.9E-06	7.9E-07	1.6E-04	8.2E-06	8.6E-06	4.2E-06	7.9E-06	4.5E-06	4.4E-06	3.3E-06
GI (SI)	2.2E-06	6.3E-06	6.1E-06	1.0E-04	3.8E-05	2.1E-05	6.5E-06	3.8E-06	6.2E-07	3.7E-06
GI (ULI WALL)	2.4E-06	5.4E-06	7.8E-06	5.9E-05	1.4E-04	1.0E-05	6.7E-06	5.9E-06	8.2E-07	3.9E-06
GI (LLI WALL)	7.3E-07	1.6E-05	3.0E-06	1.6E-05	7.1E-06	1.9E-04	2.0E-06	7.0E-07	2.1E-07	4.0E-06
KIDNEYS	2.7E-05	8.3E-07	7.9E-06	7.4E-06	6.4E-06	2.1E-06	2.6E-04	8.9E-06	2.3E-06	3.4E-06
LIVER	1.1E-05	6.3E-07	4.7E-06	4.3E-06	5.9E-06	7.9E-07	9.2E-06	7.6E-05	5.7E-06	2.6E-06
LUNGS	5.6E-06	1.1E-07	4.2E-06	7.4E-07	7.8E-07	2.5E-07	2.2E-06	5.7E-06	6.1E-05	3.2E-06
MARROW (RED)	6.1E-06	3.2E-06	2.6E-06	6.4E-06	5.5E-06	7.8E-06	6.2E-06	2.7E-06	3.1E-06	3.4E-06
OTH TISS (MUSC)	3.6E-06	4.2E-06	3.3E-06	3.7E-06	3.5E-06	4.0E-06	3.4E-06	2.6E-06	3.2E-06	4.3E-06
OVARIES	1.3E-06	1.5E-05	1.4E-06	2.2E-05	2.8E-05	4.1E-05	2.9E-06	8.0E-07	3.5E-07	4.7E-06
PANCREAS	2.0E-05	6.5E-07	4.1E-05	4.9E-06	4.7E-06	1.7E-06	1.5E-05	1.1E-05	6.2E-06	4.2E-06
SKIN	1.6E-06	1.5E-06	1.3E-06	1.2E-06	1.2E-06	1.4E-06	1.5E-06	1.4E-06	1.5E-06	2.1E-06
SPLEEN	1.5E-05	5.0E-07	2.3E-05	3.7E-06	3.0E-06	2.1E-06	2.0E-05	2.4E-06	5.1E-06	3.5E-06
TESTES	1.6E-07	1.2E-05	1.2E-07	8.9E-07	1.1E-06	4.7E-06	3.4E-07	2.9E-07	5.3E-08	2.9E-06
THYROID	4.5E-07	2.1E-08	3.5E-07	8.8E-08	9.4E-08	3.9E-08	2.1E-07	4.7E-07	2.7E-06	3.3E-06
UTERUS (NONGRVD)	2.2E-06	3.5E-05	2.1E-06	2.1E-05	1.1E-05	1.4E-05	2.1E-06	9.9E-07	2.3E-07	5.2E-06
TOTAL BODY	4.4E-06	4.6E-06	4.4E-06	5.0E-06	4.8E-06	4.8E-06	4.4E-06	4.4E-06	3.8E-06	3.8E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 BROMINE-77 HALF-LIFE 56.0 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID	THYROID	TOTAL BODY	
			R MARROW	CORT BONE TRA BONE							
ADRENALS	1.3E-06	1.9E-05	5.0E-06	3.8E-06	3.8E-06	1.7E-06	1.5E-05	1.6E-07	4.5E-07	4.5E-07	5.4E-06
BLADDER WALL	1.6E-05	4.2E-07	1.8E-06	1.4E-06	1.4E-06	1.5E-06	4.0E-07	1.2E-05	2.1E-08	2.1E-08	4.7E-06
BONE (TOTAL)	2.3E-06	2.3E-06	6.5E-06	1.3E-05	1.2E-05	2.0E-06	1.9E-06	1.6E-06	1.8E-06	1.8E-06	3.9E-06
GI (STOM WALL)	1.9E-06	4.1E-05	2.5E-06	1.4E-06	1.4E-06	1.5E-06	2.3E-05	2.2E-07	2.5E-07	2.5E-07	4.7E-06
GI (SI)	2.8E-05	4.2E-06	6.2E-06	1.9E-06	1.9E-06	1.3E-06	3.3E-06	1.2E-06	3.2E-08	3.2E-08	5.1E-06
GI (ULI WALL)	2.6E-05	5.1E-06	4.8E-06	1.7E-06	1.7E-06	1.3E-06	3.2E-06	8.1E-07	3.5E-08	3.5E-08	4.9E-06
GI (LLI WALL)	3.3E-05	1.3E-06	7.1E-06	2.3E-06	2.3E-06	1.4E-06	1.6E-06	6.5E-06	3.3E-08	3.3E-08	4.9E-06
KIDNEYS	2.6E-06	1.5E-05	5.5E-06	2.2E-06	2.2E-06	1.7E-06	2.0E-05	2.2E-07	1.3E-07	1.3E-07	4.5E-06
LIVER	1.4E-06	9.8E-06	2.4E-06	1.6E-06	1.6E-06	1.5E-06	2.5E-06	1.3E-07	3.6E-07	3.6E-07	4.5E-06
LUNGS	2.5E-07	5.7E-06	2.8E-06	2.3E-06	2.3E-06	1.6E-06	5.2E-06	3.7E-08	2.5E-06	2.5E-06	3.9E-06
MARROW (RED)	7.8E-06	4.3E-06	3.1E-05	8.6E-06	8.6E-06	1.9E-06	2.8E-06	1.3E-06	2.0E-06	2.0E-06	4.4E-06
OTH TISS (MUSC)	4.7E-06	4.2E-06	3.1E-06	2.6E-06	2.6E-06	2.1E-06	3.5E-06	2.9E-06	3.3E-06	3.3E-06	3.8E-06
OVARIES	4.4E-03	1.0E-06	7.4E-06	2.3E-06	2.3E-06	9.2E-07	2.1E-06	0.0	3.9E-08	3.9E-08	4.4E-06
PANCREAS	1.4E-06	8.3E-04	3.8E-06	2.3E-06	2.3E-06	1.4E-06	4.5E-05	1.3E-07	1.8E-07	1.8E-07	4.7E-06
SKIN	1.2E-06	1.2E-06	1.7E-06	2.0E-06	2.0E-06	1.3E-05	1.4E-06	3.7E-06	2.0E-06	2.0E-06	2.4E-06
SPLEEN	1.5E-06	4.5E-05	2.0E-06	1.9E-06	1.9E-06	1.5E-06	4.6E-04	2.2E-07	3.2E-07	3.2E-07	4.6E-06
TESTES	0.0	1.7E-07	9.4E-07	1.4E-06	1.4E-06	2.2E-06	2.1E-07	1.6E-03	7.5E-09	7.5E-09	4.3E-06
THYROID	3.9E-08	3.8E-07	2.0E-06	2.3E-06	2.3E-06	1.9E-06	3.3E-07	7.5E-09	2.5E-03	2.5E-03	3.7E-06
UTERUS (NONGRVD)	4.4E-05	1.5E-06	4.7E-06	1.5E-06	1.5E-06	1.3E-06	1.1E-06	0.0	3.7E-08	3.7E-08	4.9E-06
TOTAL BODY	5.1E-06	5.0E-06	4.2E-06	3.8E-06	3.8E-06	2.5E-06	4.4E-06	3.7E-06	3.5E-06	3.5E-06	3.8E-06

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 DATE OF ISSUE-05-13-75

S, ABSORBED DOSE (RAD) PER 1 UCI-H
OF BROMINE-77 (HALF-LIFE 56.0 HOURS) AND 0.0219 UCI-H OF SELENIUM-77M (HALF-LIFE 4.88E-03 HOURS)

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	3.1E-03	5.3E-07	5.2E-06	3.1E-06	2.4E-06	1.2E-06	2.8E-05	1.2E-05	5.8E-06	3.6E-06
BLADDER WALL	3.0E-07	2.4E-04	9.4E-07	7.2E-06	4.7E-06	1.4E-05	8.9E-07	6.6E-07	1.7E-07	4.2E-06
BONE (TOTAL)	3.4E-06	1.5E-06	1.5E-06	2.0E-06	1.8E-06	2.6E-06	2.4E-06	1.8E-06	2.5E-06	2.6E-06
GI (STOM WALL)	7.0E-06	8.0E-07	1.7E-04	8.2E-06	8.6E-06	4.2E-06	7.9E-06	4.5E-06	4.4E-06	3.3E-06
GI (SI)	2.2E-06	6.4E-06	6.2E-06	1.1E-04	3.9E-05	2.1E-05	6.6E-06	3.8E-06	6.2E-07	3.7E-06
GI (ULI WALL)	2.4E-06	5.5E-06	7.9E-06	6.0E-05	1.5E-04	1.0E-05	6.8E-06	5.9E-06	8.2E-07	3.9E-06
GI (LLI WALL)	7.3E-07	1.7E-05	3.0E-06	1.7E-05	7.2E-06	2.1E-04	2.1E-06	7.0E-07	2.1E-07	4.0E-06
KIDNEYS	2.7E-05	8.4E-07	7.9E-06	7.4E-06	6.5E-06	2.1E-06	2.8E-04	8.9E-06	2.4E-06	3.4E-06
LIVER	1.2E-05	6.3E-07	4.8E-06	4.3E-06	5.9E-06	7.9E-07	9.3E-06	7.8E-05	5.7E-06	2.6E-06
LUNGS	5.6E-06	1.1E-07	4.3E-06	7.4E-07	7.8E-07	2.5E-07	2.2E-06	5.7E-06	6.5E-05	3.2E-06
MARROW (RED)	6.1E-06	3.3E-06	2.6E-06	6.4E-06	5.5E-06	7.9E-06	6.2E-06	2.7E-06	3.1E-06	3.4E-06
OTH TISS (MUSC)	3.6E-06	4.2E-06	3.3E-06	3.7E-06	3.5E-06	4.0E-06	3.4E-06	2.6E-06	3.2E-06	4.5E-06
OVARIES	1.3E-06	1.5E-05	1.4E-06	2.2E-05	2.8E-05	4.1E-05	2.9E-06	8.0E-07	3.5E-07	4.8E-06
PANCREAS	2.0E-05	6.6E-07	4.1E-05	4.9E-06	4.7E-06	1.7E-06	1.5E-05	1.1E-05	6.3E-06	4.3E-06
SKIN	1.6E-06	1.5E-06	1.3E-06	1.2E-06	1.3E-06	1.4E-06	1.5E-06	1.4E-06	1.6E-06	2.1E-06
SPLEEN	1.5E-05	5.1E-07	2.3E-05	3.7E-06	3.1E-06	2.2E-06	2.0E-05	2.4E-06	5.2E-06	3.5E-06
TESTES	1.6E-07	1.2E-05	1.2E-07	9.0E-07	1.1E-06	4.7E-06	3.4E-07	2.9E-07	5.4E-08	2.9E-06
THYROID	4.5E-07	2.1E-08	3.5E-07	8.8E-08	9.4E-08	4.0E-08	2.1E-07	4.7E-07	2.7E-06	3.3E-06
UTERUS (NONGRVD)	2.2E-06	3.5E-05	2.1E-06	2.1E-05	1.1E-05	1.4E-05	2.1E-06	1.0E-06	2.4E-07	5.2E-06
TOTAL BODY	4.4E-06	4.6E-06	4.4E-06	5.0E-06	4.8E-06	4.8E-06	4.5E-06	4.5E-06	3.9E-06	3.8E-06

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S, ABSORBED DOSE (RAD) PER 1 UCI-H (CONTINUED)
 OF BROMINE-77 (HALF-LIFE 56.0 HOURS) AND 0.0219 UCI-H OF SELENIUM-77M (HALF-LIFE 4.88E-03 HOURS)

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	THYROID	TESTES	SPLEEN		
ADRENALS	1.3E-06	1.9E-05	3.8E-06	3.8E-06	1.7E-06	1.5E-05	1.6E-07	4.5E-07	1.5E-05	1.6E-07	4.5E-07	5.5E-06
BLADDER WALL	1.6E-05	4.2E-07	1.4E-06	1.4E-06	1.5E-06	4.0E-07	1.2E-05	2.1E-08	4.0E-07	1.2E-05	2.1E-08	4.8E-06
BONE (TOTAL)	2.4E-06	2.3E-06	6.7E-06	1.3E-05	2.0E-06	1.9E-06	1.6E-06	1.8E-06	1.9E-06	1.6E-06	1.8E-06	4.0E-06
GI (STOM WALL)	1.9E-06	4.1E-05	1.4E-06	1.4E-06	1.5E-06	2.3E-05	2.2E-07	2.5E-07	2.3E-05	2.2E-07	2.5E-07	4.7E-06
GI (SI)	2.8E-05	4.2E-06	1.9E-06	1.9E-06	1.3E-06	3.3E-06	1.2E-06	3.2E-08	3.3E-06	1.2E-06	3.2E-08	5.1E-06
GI (ULI WALL)	2.6E-05	5.2E-06	1.7E-06	1.7E-06	1.3E-06	3.2E-06	8.2E-07	3.5E-08	3.2E-06	8.2E-07	3.5E-08	5.0E-06
GI (LLI WALL)	3.4E-05	1.3E-06	2.4E-06	2.4E-06	1.4E-06	1.6E-06	6.5E-06	3.3E-08	1.6E-06	6.5E-06	3.3E-08	4.9E-06
KIDNEYS	2.6E-06	1.5E-05	2.2E-06	2.2E-06	1.7E-06	2.0E-05	2.3E-07	1.3E-07	2.0E-05	2.3E-07	1.3E-07	4.6E-06
LIVER	1.4E-06	9.8E-06	1.7E-06	1.7E-06	1.5E-06	2.5E-06	1.3E-07	3.6E-07	2.5E-06	1.3E-07	3.6E-07	4.5E-06
LUNGS	2.5E-07	5.7E-06	2.3E-06	2.3E-06	1.6E-06	5.2E-06	3.7E-08	2.5E-06	5.2E-06	3.7E-08	2.5E-06	4.0E-06
MARROW (RED)	7.9E-06	4.4E-06	8.6E-06	1.1E-05	1.9E-06	2.9E-06	1.3E-06	2.0E-06	2.9E-06	1.3E-06	2.0E-06	4.5E-06
OTH TISS (MUSC)	4.8E-06	4.3E-06	2.6E-06	2.6E-06	2.1E-06	3.5E-06	2.9E-06	3.3E-06	3.5E-06	2.9E-06	3.3E-06	3.8E-06
OVARIES	4.7E-03	1.0E-06	2.3E-06	2.3E-06	9.2E-07	2.1E-06	0.0	3.9E-08	2.1E-06	0.0	3.9E-08	4.5E-06
PANCREAS	1.4E-06	8.7E-04	2.3E-06	2.3E-06	1.4E-06	4.5E-05	1.3E-07	1.9E-07	4.5E-05	1.3E-07	1.9E-07	4.8E-06
SKIN	1.2E-06	1.2E-06	2.0E-06	2.0E-06	1.5E-05	1.4E-06	3.7E-06	2.0E-06	1.4E-06	3.7E-06	2.0E-06	2.5E-06
SPLEEN	1.5E-06	4.5E-05	1.9E-06	1.9E-06	1.6E-06	4.8E-04	2.2E-07	3.2E-07	4.8E-04	2.2E-07	3.2E-07	4.7E-06
TESTES	0.0	1.7E-07	1.4E-06	1.4E-06	2.2E-06	2.1E-07	1.7E-03	7.5E-09	2.1E-07	1.7E-03	7.5E-09	4.4E-06
THYROID	3.9E-08	3.8E-07	2.4E-06	2.4E-06	1.9E-06	3.4E-07	7.5E-09	2.6E-03	3.4E-07	7.5E-09	2.6E-03	3.8E-06
UTERUS (NONGRVD)	4.4E-05	1.5E-06	1.5E-06	1.5E-06	1.3E-06	1.1E-06	0.0	3.7E-08	1.1E-06	0.0	3.7E-08	5.0E-06
TOTAL BODY	5.2E-06	5.1E-06	3.9E-06	3.9E-06	2.5E-06	4.5E-06	3.8E-06	3.5E-06	4.5E-06	3.8E-06	3.5E-06	3.9E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 BROMINE-82 HALF-LIFE 35.3 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	ULI CONTENTS	LLI CONTENTS			
ADRENALS	3.0E-02	4.6E-06	4.5E-05	2.1E-05	9.3E-06	8.9E-05	4.3E-05	2.8E-05
BLADDER WALL	3.8E-06	2.1E-03	8.9E-06	3.7E-05	1.0E-04	4.9E-06	1.6E-06	3.3E-05
BONE (TOTAL)	2.5E-05	1.1E-05	1.4E-05	1.3E-05	1.9E-05	1.3E-05	1.8E-05	2.1E-05
GI (STOM WALL)	5.4E-05	8.3E-06	1.6E-03	6.4E-05	3.1E-05	3.6E-05	3.6E-05	2.6E-05
GI (SI)	1.8E-05	5.0E-05	4.7E-05	2.9E-04	1.6E-04	3.0E-05	5.8E-06	2.9E-05
GI (ULI WALL)	2.0E-05	3.9E-05	6.0E-05	1.5E-03	7.6E-05	4.5E-05	7.7E-06	3.0E-05
GI (LLI WALL)	5.9E-06	1.3E-04	2.5E-05	5.8E-05	2.1E-03	5.9E-06	1.6E-06	3.1E-05
KIDNEYS	2.1E-04	7.4E-06	6.1E-05	5.2E-05	1.7E-05	6.9E-05	1.9E-05	2.7E-05
LIVER	8.8E-05	5.6E-06	3.4E-05	4.6E-05	7.3E-06	6.3E-04	4.4E-05	2.1E-05
LUNGS	4.4E-05	1.4E-06	3.4E-05	7.4E-06	2.7E-06	4.5E-05	5.7E-04	2.5E-05
MARROW (RED)	4.4E-05	2.2E-05	1.9E-05	3.8E-05	5.6E-05	1.9E-05	2.3E-05	2.5E-05
OTH TISS (MUSC)	2.8E-05	3.3E-05	2.6E-05	2.7E-05	3.1E-05	2.1E-05	2.5E-05	3.9E-05
OVARIES	8.9E-06	1.0E-04	1.9E-05	1.7E-04	3.0E-04	1.1E-05	3.1E-06	3.7E-05
PANCREAS	1.6E-04	5.2E-06	3.1E-04	3.7E-05	1.4E-05	8.1E-05	4.6E-05	3.3E-05
SKIN	1.4E-05	1.3E-05	1.1E-05	1.1E-05	1.2E-05	1.2E-05	1.3E-05	1.8E-05
SPLEEN	1.1E-04	4.4E-06	1.7E-04	2.9E-05	1.9E-05	2.0E-05	3.9E-05	2.7E-05
TESTES	1.6E-06	9.0E-05	2.2E-06	9.9E-06	3.2E-05	3.5E-06	6.2E-07	2.3E-05
THYROID	4.1E-06	2.8E-07	3.2E-06	1.0E-06	4.8E-07	3.7E-06	2.3E-05	2.6E-05
UTERUS (NONGRVD)	8.8E-06	2.7E-04	1.8E-05	8.7E-05	1.0E-04	8.5E-06	2.6E-06	4.1E-05
TOTAL BODY	3.5E-05	3.5E-05	3.4E-05	3.7E-05	3.8E-05	3.6E-05	3.1E-05	3.1E-05

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82Br

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 BROMINE-82 HALF-LIFE 35.3 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID		
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	1.1E-05	1.4E-04	4.4E-05	3.4E-05	3.4E-05	1.5E-05	1.2E-04	1.6E-06	4.0E-06	4.5E-05	
BLADDER WALL	1.3E-04	3.5E-06	1.8E-05	1.1E-05	1.1E-05	1.4E-05	4.9E-06	9.5E-05	2.8E-07	4.0E-05	
BONE (TOTAL)	1.7E-05	1.7E-05	5.3E-05	1.2E-04	1.1E-04	1.6E-05	1.4E-05	1.2E-05	1.4E-05	3.1E-05	
GI (STOM WALL)	1.6E-05	3.1E-04	2.1E-05	1.1E-05	1.1E-05	1.2E-05	1.8E-04	2.0E-06	2.7E-06	3.5E-05	
GI (SI)	2.1E-04	3.3E-05	4.8E-05	1.5E-05	1.5E-05	1.1E-05	2.6E-05	1.0E-05	5.8E-07	4.1E-05	
GI (ULI WALL)	2.0E-04	4.1E-05	3.6E-05	1.4E-05	1.4E-05	1.2E-05	2.6E-05	7.0E-06	6.7E-07	3.9E-05	
GI (LLI WALL)	2.5E-04	1.1E-05	5.5E-05	1.9E-05	1.9E-05	1.2E-05	1.2E-05	4.7E-05	4.1E-07	4.1E-05	
KIDNEYS	2.1E-05	1.1E-04	4.5E-05	2.0E-05	2.0E-05	1.4E-05	1.5E-04	2.6E-06	2.0E-06	3.7E-05	
LIVER	1.2E-05	7.5E-05	1.9E-05	1.4E-05	1.4E-05	1.3E-05	2.0E-05	1.7E-06	3.5E-06	3.7E-05	
LUNGS	2.7E-06	4.3E-05	2.3E-05	1.8E-05	1.8E-05	1.3E-05	4.0E-05	5.1E-07	2.1E-05	3.1E-05	
MARROW (RED)	5.5E-05	3.1E-05	3.0E-04	5.8E-05	1.1E-04	1.5E-05	2.1E-05	9.6E-06	1.5E-05	3.4E-05	
OTH TISS (MUSC)	3.7E-05	3.3E-05	2.4E-05	2.1E-05	2.1E-05	1.8E-05	2.7E-05	2.3E-05	2.6E-05	3.1E-05	
OVARIES	4.1E-02	1.4E-05	5.9E-05	1.9E-05	1.9E-05	9.2E-06	1.4E-05	0.0	4.9E-07	3.4E-05	
PANCREAS	1.4E-05	6.9E-03	2.6E-05	1.9E-05	1.9E-05	1.0E-05	3.4E-04	1.6E-06	2.4E-06	3.5E-05	
SKIN	1.0E-05	1.0E-05	1.4E-05	1.6E-05	1.6E-05	1.5E-04	1.2E-05	3.0E-05	1.7E-05	2.2E-05	
SPLEEN	1.2E-05	3.4E-04	1.8E-05	1.6E-05	1.6E-05	1.3E-05	4.0E-03	1.7E-06	3.3E-06	3.7E-05	
TESTES	0.0	2.0E-06	7.4E-06	1.2E-05	1.2E-05	1.7E-05	2.1E-06	1.5E-02	1.2E-07	3.7E-05	
THYROID	4.9E-07	2.4E-06	1.7E-05	1.6E-05	1.6E-05	1.5E-05	3.1E-06	1.2E-07	2.4E-02	3.2E-05	
UTERUS (NONGRVD)	3.1E-04	1.2E-05	3.3E-05	1.4E-05	1.4E-05	1.3E-05	9.3E-06	0.0	4.6E-07	4.2E-05	
TOTAL BODY	4.1E-05	4.0E-05	3.4E-05	3.1E-05	3.1E-05	2.2E-05	3.6E-05	3.1E-05	2.9E-05	3.1E-05	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 KRYPTON-81 HALF-LIFE 1.84E 09 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	1.4E-03	3.2E-30	7.4E-13	3.7E-16	9.8E-17	3.3E-19	2.7E-07	4.2E-08	2.1E-08	8.9E-08
BLADDER WALL	7.8E-30	4.4E-05	2.7E-20	7.2E-12	5.7E-12	2.4E-09	7.8E-21	9.8E-21	4.2E-33	1.4E-08
BONE (TOTAL)	7.5E-09	4.4E-13	6.6E-10	6.0E-09	2.8E-09	8.4E-09	3.8E-09	3.7E-09	4.4E-09	8.7E-09
GI (STOM WALL)	2.4E-12	4.8E-20	3.0E-05	1.5E-08	3.6E-08	2.1E-10	2.3E-11	6.6E-09	9.1E-09	7.2E-09
GI (SI)	3.7E-16	2.6E-12	3.4E-09	2.4E-05	3.4E-07	1.8E-07	1.1E-10	2.8E-09	2.8E-19	1.8E-08
GI (ULI WALL)	2.0E-16	2.9E-12	1.4E-08	6.3E-06	3.4E-05	2.2E-07	1.3E-11	3.2E-09	4.3E-19	6.4E-08
GI (LLI WALL)	3.4E-19	5.8E-09	2.9E-11	5.3E-07	4.2E-08	5.3E-05	1.4E-13	4.7E-19	1.1E-21	8.6E-09
KIDNEYS	2.5E-07	2.6E-21	6.5E-12	8.4E-11	5.4E-12	7.2E-14	8.0E-05	1.4E-08	1.1E-12	3.8E-08
LIVER	2.7E-08	4.4E-21	3.7E-09	2.7E-09	2.7E-09	5.0E-19	7.6E-09	1.4E-05	1.4E-08	1.6E-08
LUNGS	5.4E-09	5.1E-34	3.0E-09	7.6E-20	6.8E-20	2.1E-19	6.1E-10	2.0E-08	2.2E-05	7.2E-08
MARROW (RED)	1.1E-08	4.8E-10	6.8E-10	2.5E-08	1.2E-08	3.5E-08	1.0E-08	3.6E-09	4.7E-09	4.4E-08
OTH TISS (MUSC)	8.9E-08	1.4E-08	7.2E-09	1.8E-08	5.8E-09	8.6E-09	3.8E-08	1.6E-08	7.2E-08	6.6E-07
OVARIES	3.4E-22	1.1E-10	3.4E-16	2.3E-07	3.4E-07	7.0E-07	6.3E-16	1.7E-16	6.3E-29	8.9E-08
PANCREAS	5.2E-10	4.4E-27	1.4E-07	4.5E-13	3.8E-13	2.9E-16	4.0E-10	2.5E-08	1.5E-10	6.0E-08
SKIN	1.1E-09	4.5E-10	2.4E-10	9.1E-10	1.5E-11	2.1E-09	2.8E-09	9.8E-10	8.0E-10	6.9E-08
SPLEEN	7.1E-09	3.1E-27	1.9E-09	3.6E-12	9.8E-13	2.6E-14	1.1E-07	1.2E-14	1.1E-08	3.2E-08
TESTES	8.5E-38	3.1E-11	4.1E-31	4.7E-20	2.1E-19	8.0E-12	5.3E-32	2.6E-31	1.0E-40	4.7E-09
THYROID	2.5E-31	7.4E-30	6.8E-31	5.2E-40	6.3E-40	1.3E-42	9.8E-35	1.5E-29	6.9E-14	7.9E-08
UTERUS (NONGRVD)	2.3E-26	6.6E-08	1.3E-17	2.3E-08	7.3E-11	8.7E-11	2.5E-17	3.0E-18	4.6E-30	2.7E-07
TOTAL BODY	3.6E-07	2.2E-07	2.5E-07	3.3E-07	2.8E-07	3.0E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07

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81Kr

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 KRYPTON-81 HALF-LIFE 1.84E 09 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	3.4E-22	5.2E-10	1.0E-08	6.9E-09	6.9E-09	1.8E-09	1.9E-09	8.5E-38	2.5E-32	4.0E-07	
BLADDER WALL	3.1E-10	1.1E-26	1.6E-12	3.9E-13	3.9E-13	3.6E-09	8.0E-27	8.5E-11	1.1E-29	3.4E-07	
BONE (TOTAL)	4.6E-10	6.4E-10	8.6E-07	3.6E-06	3.5E-06	4.1E-08	1.8E-09	1.2E-12	3.1E-11	2.7E-07	
GI (STOM WALL)	1.4E-15	2.5E-07	2.5E-09	2.5E-09	2.5E-09	4.7E-09	1.5E-08	1.7E-30	2.5E-30	3.6E-07	
GI (SI)	1.6E-07	4.4E-13	7.4E-09	2.6E-09	2.6E-09	1.1E-09	3.0E-12	4.6E-20	5.5E-40	3.7E-07	
GI (ULI WALL)	4.7E-07	6.6E-13	1.2E-08	3.6E-09	3.6E-09	2.1E-09	2.0E-12	2.3E-19	1.1E-39	3.7E-07	
GI (LLI WALL)	5.6E-07	2.4E-16	2.6E-08	1.1E-08	1.1E-08	9.8E-10	3.1E-14	2.2E-11	1.0E-42	3.5E-07	
KIDNEYS	6.3E-16	3.9E-10	4.2E-09	5.2E-09	5.2E-09	3.1E-09	1.2E-07	5.6E-32	1.1E-34	3.6E-07	
LIVER	1.8E-16	2.6E-09	1.5E-09	2.1E-09	2.1E-09	8.1E-10	1.2E-14	3.1E-31	1.5E-29	3.6E-07	
LUNGS	6.1E-31	4.7E-11	2.7E-09	2.9E-09	2.9E-09	1.4E-09	1.1E-08	2.7E-41	1.5E-14	3.5E-07	
MARROW (RED)	1.9E-09	1.3E-09	1.1E-05	1.3E-06	1.4E-06	3.6E-08	1.9E-09	5.5E-11	4.6E-11	3.9E-07	
OTH TISS (MUSC)	8.9E-08	6.0E-08	1.1E-08	8.7E-09	8.7E-09	6.9E-08	3.2E-08	4.7E-09	7.9E-08	3.6E-07	
OVARIES	2.2E-03	9.0E-20	1.5E-09	3.6E-10	3.6E-10	1.5E-13	1.7E-18	0.0	2.8E-28	4.5E-07	
PANCREAS	8.1E-20	3.0E-04	7.9E-10	6.7E-09	6.7E-09	2.4E-10	2.7E-07	1.2E-34	1.5E-31	3.7E-07	
SKIN	1.5E-13	1.3E-10	1.1E-08	1.1E-08	1.1E-08	6.7E-06	1.3E-10	6.6E-08	8.6E-09	3.1E-07	
SPLEEN	1.7E-18	2.8E-07	2.7E-09	1.1E-08	1.1E-08	2.8E-09	1.4E-04	1.6E-34	8.2E-32	3.7E-07	
TESTES	0.0	1.2E-34	4.3E-11	3.1E-13	3.1E-13	4.1E-08	1.5E-34	6.3E-04	3.0E-33	3.7E-07	
THYROID	2.8E-28	1.4E-31	1.8E-09	2.3E-09	2.3E-09	2.1E-08	7.5E-32	3.0E-33	1.1E-03	4.0E-07	
UTERUS (NONGRVD)	3.1E-08	2.8E-20	1.1E-11	1.6E-12	1.6E-12	8.8E-10	1.3E-20	0.0	7.2E-29	3.7E-07	
TOTAL BODY	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.1E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 KRYPTON-81M HALF-LIFE 3.61E-03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	1.0E-02	1.9E-07	2.4E-06	1.5E-06	8.9E-07	4.4E-07	9.8E-06	4.9E-06	2.4E-06	1.4E-06
BLADDER WALL	1.2E-07	4.0E-04	2.2E-07	2.5E-06	2.1E-06	6.4E-06	3.0E-07	1.5E-07	4.8E-08	1.7E-06
BONE (TOTAL)	1.6E-06	7.6E-07	7.3E-07	1.0E-06	9.1E-07	1.3E-06	1.2E-06	9.0E-07	1.2E-06	1.0E-06
GI (STOM WALL)	2.9E-06	2.8E-07	3.1E-04	3.6E-06	3.6E-06	1.7E-06	3.3E-06	1.9E-06	1.8E-06	1.3E-06
GI (SI)	8.3E-07	2.8E-06	2.5E-06	2.0E-04	1.6E-05	9.1E-06	2.8E-06	1.6E-06	1.9E-07	1.5E-06
GI (ULI WALL)	9.0E-07	2.3E-06	3.4E-06	2.4E-05	3.4E-04	4.2E-06	2.8E-06	2.4E-06	2.3E-07	1.6E-06
GI (LLI WALL)	2.2E-07	6.9E-06	1.3E-06	7.1E-06	2.9E-06	5.4E-04	8.1E-07	2.3E-07	1.0E-07	1.6E-06
KIDNEYS	1.1E-05	2.7E-07	3.4E-06	3.0E-06	2.7E-06	9.3E-07	5.0E-04	3.7E-06	8.5E-07	1.4E-06
LIVER	4.8E-06	2.0E-07	1.9E-06	1.8E-06	2.5E-06	2.7E-07	3.7E-06	1.0E-04	2.4E-06	1.0E-06
LUNGS	2.4E-06	2.5E-08	1.6E-06	2.4E-07	2.7E-07	8.4E-08	8.2E-07	2.4E-06	1.5E-04	1.3E-06
MARROW (RED)	2.9E-06	1.7E-06	1.3E-06	3.3E-06	2.9E-06	3.9E-06	3.0E-06	1.3E-06	1.5E-06	1.6E-06
OTH TISS (MUSC)	1.4E-06	1.7E-06	1.4E-06	1.5E-06	1.4E-06	1.6E-06	1.4E-06	1.0E-06	1.3E-06	6.2E-06
OVARIES	5.8E-07	7.4E-06	4.3E-07	1.0E-05	1.1E-05	1.9E-05	1.2E-06	4.8E-07	1.2E-07	1.9E-06
PANCREAS	8.4E-06	2.9E-07	1.7E-05	2.0E-06	2.4E-06	6.9E-07	6.2E-06	3.8E-06	2.5E-06	1.7E-06
SKIN	5.6E-07	5.5E-07	4.5E-07	4.4E-07	4.4E-07	5.1E-07	5.6E-07	5.1E-07	5.6E-07	7.6E-07
SPLEEN	6.4E-06	2.2E-07	9.7E-06	1.5E-06	1.4E-06	7.6E-07	8.5E-06	9.1E-07	2.2E-06	1.4E-06
TESTES	4.3E-08	4.4E-06	6.3E-08	3.4E-07	3.1E-07	1.9E-06	1.1E-07	8.0E-08	1.2E-08	1.1E-06
THYROID	1.5E-07	3.4E-09	1.1E-07	2.1E-08	2.3E-08	8.2E-09	6.3E-08	2.1E-07	8.2E-07	1.3E-06
UTERUS (NONGRVD)	2.2E-06	1.5E-05	8.0E-07	9.1E-06	4.7E-06	6.9E-06	1.0E-06	3.8E-07	9.4E-08	2.3E-06
TOTAL BODY	3.6E-06	2.1E-06	2.3E-06	3.5E-06	2.8E-06	3.0E-06	3.6E-06	3.6E-06	3.3E-06	3.3E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 KRYPTON-81M HALF-LIFE 3.61E-03 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	3.6E-07	8.2E-06	2.6E-06	1.2E-06	1.2E-06	8.0E-07	6.3E-06	4.3E-08	1.5E-07	3.7E-06	3.7E-06
BLADDER WALL	6.7E-06	1.5E-07	7.8E-07	4.7E-07	4.7E-07	5.1E-07	1.6E-07	4.7E-06	3.4E-09	3.6E-06	3.6E-06
BONE (TOTAL)	1.2E-06	1.1E-06	8.2E-06	3.0E-05	2.2E-05	8.5E-07	9.2E-07	7.7E-07	8.4E-07	3.6E-06	3.6E-06
GI (STOM WALL)	7.7E-07	1.8E-05	1.1E-06	5.6E-07	5.6E-07	5.4E-07	9.3E-06	4.4E-08	4.0E-08	3.7E-06	3.7E-06
GI (SI)	1.2E-05	1.8E-06	2.5E-06	7.4E-07	7.4E-07	4.7E-07	1.4E-06	4.0E-07	1.5E-08	3.9E-06	3.9E-06
GI (ULI WALL)	1.1E-05	2.2E-06	2.1E-06	7.2E-07	7.2E-07	4.5E-07	1.2E-06	3.5E-07	1.1E-08	3.7E-06	3.7E-06
GI (ILI WALL)	1.4E-05	5.6E-07	2.8E-06	1.0E-06	1.0E-06	4.8E-07	6.2E-07	2.7E-06	6.6E-09	3.6E-06	3.6E-06
KIDNEYS	9.4E-07	6.2E-06	2.2E-06	8.8E-07	8.8E-07	6.2E-07	8.6E-06	5.3E-08	3.7E-08	3.6E-06	3.6E-06
LIVER	5.7E-07	4.3E-06	9.5E-07	6.5E-07	6.5E-07	5.5E-07	1.0E-06	3.9E-08	1.1E-07	3.5E-06	3.5E-06
LUNGS	6.8E-08	2.4E-06	1.2E-06	9.5E-07	9.5E-07	6.1E-07	2.2E-06	1.1E-08	9.2E-07	3.3E-06	3.3E-06
MARROW (RED)	4.1E-06	2.2E-06	7.7E-05	4.0E-06	4.0E-06	8.1E-07	1.4E-06	6.3E-07	9.2E-07	3.8E-06	3.8E-06
OTH TISS (MUSC)	1.9E-06	1.7E-06	1.2E-06	1.0E-06	1.0E-06	7.6E-07	1.4E-06	1.1E-06	1.3E-06	3.3E-06	3.3E-06
OVARIES	1.3E-02	3.2E-07	2.3E-06	6.7E-07	6.7E-07	4.7E-07	5.3E-07	0.0	7.7E-09	3.8E-06	3.8E-06
PANCREAS	4.8E-07	1.6E-03	1.6E-06	1.0E-06	1.0E-06	5.4E-07	1.8E-05	7.2E-08	1.0E-07	4.0E-06	4.0E-06
SKIN	4.4E-07	4.2E-07	6.5E-07	7.1E-07	7.1E-07	5.3E-05	4.9E-07	1.4E-06	7.7E-07	2.7E-06	2.7E-06
SPLEEN	5.3E-07	1.8E-05	9.0E-07	6.3E-07	6.3E-07	5.6E-07	8.7E-04	2.0E-08	1.2E-07	3.6E-06	3.6E-06
TESTES	0.0	7.2E-08	3.2E-07	6.1E-07	6.1E-07	1.0E-06	6.4E-08	4.2E-03	8.9E-10	3.0E-06	3.0E-06
THYROID	7.7E-09	1.5E-07	7.0E-07	8.8E-07	8.8E-07	7.4E-07	1.1E-07	8.9E-10	7.2E-03	3.1E-06	3.1E-06
UTERUS (NONGRVD)	2.0E-05	6.1E-07	2.2E-06	6.0E-07	6.0E-07	3.8E-07	3.9E-07	0.0	7.1E-09	4.0E-06	4.0E-06
TOTAL BODY	3.9E-06	3.9E-06	3.5E-06	3.3E-06	3.3E-06	2.7E-06	3.6E-06	3.3E-06	3.2E-06	3.3E-06	3.3E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 KRYPTON-85 HALF-LIFE 9.41E 04 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	3.7E-02	3.7E-09	3.4E-08	2.0E-08	1.6E-08	8.0E-09	2.0E-07	7.8E-08	3.9E-08	2.5E-08
BLADDER WALL	1.8E-09	1.3E-03	7.4E-09	5.4E-08	3.1E-08	9.0E-08	6.2E-09	5.6E-09	1.2E-09	2.9E-08
BONE (TOTAL)	2.2E-08	9.5E-09	9.7E-09	1.3E-08	1.2E-08	1.7E-08	1.6E-08	1.2E-08	1.6E-08	1.8E-08
GI (STOM WALL)	4.7E-08	5.2E-09	1.0E-03	5.4E-08	5.8E-08	2.9E-08	5.4E-08	3.0E-08	3.0E-08	2.3E-08
GI (SI)	1.5E-08	4.2E-08	4.2E-08	6.5E-04	2.6E-07	1.4E-07	4.4E-08	2.5E-08	4.5E-09	2.5E-08
GI (ULI WALL)	1.7E-08	3.8E-08	5.3E-08	3.7E-07	1.2E-03	6.8E-08	4.6E-08	4.1E-08	6.2E-09	2.6E-08
GI (LLI WALL)	5.7E-09	1.1E-07	2.0E-08	1.1E-07	4.8E-08	1.9E-03	1.4E-08	5.2E-09	1.3E-09	2.7E-08
KIDNEYS	1.8E-07	6.2E-09	5.3E-08	5.1E-08	4.4E-08	1.3E-08	1.7E-03	6.0E-08	1.7E-08	2.3E-08
LIVER	7.8E-08	4.6E-09	3.3E-08	2.9E-08	3.9E-08	5.6E-09	6.4E-08	2.9E-04	3.8E-08	1.8E-08
LUNGS	3.7E-08	7.9E-10	3.0E-08	5.4E-09	5.5E-09	1.7E-09	1.5E-08	3.8E-08	5.2E-04	2.2E-08
MARROW (RED)	3.9E-08	2.0E-08	1.7E-08	4.0E-08	3.5E-08	5.0E-08	4.0E-08	1.7E-08	2.0E-08	2.2E-08
OTH TISS (MUSC)	2.5E-08	2.9E-08	2.3E-08	2.5E-08	2.4E-08	2.7E-08	2.3E-08	1.8E-08	2.2E-08	1.9E-05
OVARIES	8.8E-09	1.0E-07	8.4E-09	1.4E-07	2.0E-07	2.5E-07	1.9E-08	3.3E-09	2.5E-09	3.2E-08
PANCREAS	1.3E-07	4.2E-09	2.8E-07	3.3E-08	2.9E-08	1.2E-08	1.1E-07	7.7E-08	4.5E-08	2.9E-08
SKIN	1.1E-08	1.0E-08	9.5E-09	8.6E-09	9.0E-09	9.5E-09	1.1E-08	9.7E-09	1.1E-08	1.5E-08
SPLEEN	1.0E-07	3.7E-09	1.5E-07	2.5E-08	2.0E-08	1.5E-08	1.3E-07	1.6E-08	3.4E-08	2.4E-08
TESTES	1.1E-09	8.2E-08	4.4E-10	5.9E-09	8.3E-09	3.3E-08	2.4E-09	1.9E-09	4.0E-10	2.0E-08
THYROID	3.2E-09	1.6E-10	2.5E-09	6.5E-10	7.0E-10	3.0E-10	1.5E-09	3.0E-09	1.9E-08	2.2E-08
UTERUS (NONGRVD)	6.1E-09	2.4E-07	1.4E-08	1.4E-07	7.2E-08	8.9E-08	1.3E-08	7.1E-09	1.5E-09	3.1E-08
TOTAL BODY	7.5E-06	8.7E-07	2.3E-06	6.0E-06	3.6E-06	4.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06

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85Kr

(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 KRYPTON-85 HALF-LIFE 9.41E 04 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID				
			R MARROW	CORT BONE	TRA BONE							
ADRENALS	9.8E-09	1.4E-07	2.8E-08	2.7E-08	2.7E-08	1.1E-08	9.7E-08	1.1E-09	3.2E-09	7.5E-06		
BLADDER WALL	1.1E-07	3.2E-09	1.1E-08	1.1E-08	1.1E-08	1.0E-08	2.2E-09	8.2E-08	1.6E-10	7.5E-06		
BONE (TOTAL)	1.5E-08	1.5E-08	2.5E-05	1.0E-04	6.7E-05	1.4E-08	1.2E-08	1.1E-08	1.2E-08	7.5E-06		
GI (STOM WALL)	1.3E-08	2.7E-07	1.6E-08	9.4E-09	9.4E-09	1.0E-08	1.6E-07	1.9E-09	2.1E-09	7.5E-06		
GI (SI)	1.9E-07	2.8E-08	4.3E-08	1.3E-08	1.3E-08	8.9E-09	2.2E-08	8.6E-09	1.3E-10	7.5E-06		
GI (ULI WALL)	1.8E-07	3.5E-08	3.3E-08	1.1E-08	1.1E-08	9.4E-09	2.2E-08	5.2E-09	1.8E-10	7.5E-06		
GI (LLI WALL)	2.3E-07	8.6E-09	4.9E-08	1.5E-08	1.5E-08	9.7E-09	1.1E-08	4.6E-08	2.5E-10	7.5E-06		
KIDNEYS	1.8E-08	9.9E-08	3.8E-08	1.5E-08	1.5E-08	1.2E-08	1.4E-07	1.7E-09	8.2E-10	7.5E-06		
LIVER	9.9E-09	6.6E-08	1.6E-08	1.1E-08	1.1E-08	1.1E-08	1.7E-08	8.5E-10	2.6E-09	7.5E-06		
LUNGS	1.8E-09	3.8E-08	1.9E-08	1.6E-08	1.6E-08	1.1E-08	3.5E-08	2.4E-10	1.7E-08	7.5E-06		
MARROW (RED)	4.9E-08	2.8E-08	2.6E-04	2.2E-06	1.3E-04	1.3E-08	1.8E-08	8.5E-09	1.3E-08	7.5E-06		
OTH TISS (MUSC)	3.2E-08	2.9E-08	2.1E-08	1.8E-08	1.8E-08	1.5E-08	2.4E-08	2.0E-08	2.2E-08	7.5E-06		
OVARIES	4.8E-02	6.3E-09	5.8E-08	1.7E-08	1.7E-08	4.9E-09	1.7E-08	0.0	2.9E-10	7.5E-06		
PANCREAS	9.0E-09	5.2E-03	2.7E-08	1.5E-08	1.5E-08	9.4E-09	3.1E-07	6.3E-10	1.1E-09	7.5E-06		
SKIN	8.5E-09	8.2E-09	1.2E-08	1.4E-08	1.4E-08	2.0E-04	1.0E-08	2.6E-08	1.4E-08	7.5E-06		
SPLEEN	1.1E-08	3.1E-07	1.3E-08	1.4E-08	1.4E-08	1.1E-08	2.9E-03	2.1E-09	2.1E-09	7.5E-06		
TESTES	0.0	1.0E-09	7.0E-09	9.3E-09	9.3E-09	1.3E-08	1.5E-09	1.5E-02	5.6E-11	7.5E-06		
THYROID	2.9E-10	3.0E-09	1.5E-08	1.8E-08	1.8E-08	1.3E-08	2.4E-09	5.6E-11	2.6E-02	7.5E-06		
UTERUS (NONGRVD)	2.9E-07	1.0E-08	3.1E-08	9.4E-09	9.4E-09	9.2E-09	7.6E-09	0.0	2.8E-10	7.5E-06		
TOTAL BODY	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06		

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 KRYPTON-85M HALF-LIFE 4.36 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	3.9E-02	2.1E-07	3.2E-06	1.1E-06	4.9E-07	1.3E-05	5.8E-06	3.2E-06	1.8E-06
BLADDER WALL	1.6E-07	1.4E-03	3.3E-07	2.7E-06	8.2E-06	3.7E-07	2.1E-07	5.4E-08	2.2E-06
BONE (TOTAL)	2.2E-06	1.0E-06	1.4E-06	1.3E-06	1.8E-06	1.6E-06	1.2E-06	1.6E-06	1.2E-06
GI (STOM WALL)	3.6E-06	3.5E-07	1.1E-03	4.5E-06	2.2E-06	4.3E-06	2.3E-06	2.3E-06	1.6E-06
GI (SI)	1.0E-06	3.6E-06	3.3E-06	7.1E-04	2.0E-05	3.5E-06	2.0E-06	2.5E-07	1.9E-06
GI (ULI WALL)	1.2E-06	2.8E-06	4.3E-06	2.9E-05	1.3E-03	3.5E-06	3.1E-06	3.0E-07	2.0E-06
GI (LLI WALL)	2.9E-07	8.9E-06	1.5E-06	8.8E-06	3.8E-06	9.5E-07	3.0E-07	1.0E-07	2.1E-06
KIDNEYS	1.4E-05	3.4E-07	4.3E-06	3.9E-06	3.5E-06	1.8E-03	4.8E-06	1.1E-06	1.7E-06
LIVER	6.1E-06	2.4E-07	2.5E-06	2.3E-06	3.3E-07	4.7E-06	3.3E-04	3.0E-06	1.3E-06
LUNGS	3.0E-06	3.3E-08	2.1E-06	3.0E-07	3.4E-07	1.1E-06	3.1E-06	5.5E-04	1.6E-06
MARROW (RED)	4.0E-06	2.4E-06	1.8E-06	4.7E-06	5.5E-06	4.2E-06	1.8E-06	2.1E-06	2.2E-06
OTH TISS (MUSC)	1.8E-06	2.2E-06	1.7E-06	1.9E-06	2.1E-06	1.7E-06	1.3E-06	1.6E-06	2.1E-05
OVARIES	7.4E-07	9.0E-06	5.9E-07	1.3E-05	2.2E-05	1.4E-06	5.4E-07	1.3E-07	2.4E-06
PANCREAS	1.1E-05	3.2E-07	2.2E-05	2.5E-06	9.0E-07	8.0E-06	5.1E-06	3.2E-06	2.2E-06
SKIN	6.7E-07	6.9E-07	5.7E-07	5.4E-07	6.2E-07	6.8E-07	6.3E-07	6.9E-07	9.2E-07
SPLEEN	7.9E-06	5.8E-07	1.2E-05	1.9E-06	9.9E-07	1.1E-05	1.1E-06	2.8E-06	1.8E-06
TESTES	4.9E-08	5.7E-06	6.6E-08	4.0E-07	2.3E-06	1.3E-07	9.1E-08	1.3E-08	1.4E-06
THYROID	1.8E-07	3.9E-09	1.3E-07	2.4E-08	9.3E-09	7.1E-08	2.2E-07	1.1E-06	1.6E-06
UTERUS (NONGRVD)	1.7E-06	1.9E-05	9.8E-07	1.2E-05	8.6E-06	1.2E-06	4.8E-07	1.1E-07	2.8E-06
TOTAL BODY	9.7E-06	3.2E-06	4.5E-06	8.6E-06	6.0E-06	9.7E-06	9.7E-06	9.4E-06	9.3E-06

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85mKr

(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 KRYPTON-85M HALF-LIFE 4.36 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	4.5E-07	1.1E-05	2.9E-06	1.5E-06	1.5E-06	8.9E-07	7.8E-06	4.9E-08	1.8E-07	9.9E-06	9.9E-06
BLADDER WALL	8.7E-06	1.9E-07	1.1E-06	6.3E-07	6.3E-07	6.3E-07	1.7E-07	5.9E-06	4.0E-09	9.8E-06	9.8E-06
BONE (TOTAL)	1.7E-06	1.6E-06	2.9E-05	1.1E-04	7.3E-05	1.1E-06	1.3E-06	1.1E-06	1.2E-06	9.9E-06	9.9E-06
GI (STOM WALL)	9.9E-07	2.2E-05	1.2E-06	6.9E-07	6.9E-07	6.8E-07	1.2E-05	5.4E-08	6.3E-08	9.8E-06	9.8E-06
GI (SI)	1.5E-05	2.3E-06	3.2E-06	9.2E-07	9.2E-07	5.8E-07	1.7E-06	4.8E-07	1.4E-08	1.0E-05	1.0E-05
GI (ULI WALL)	1.4E-05	2.7E-06	2.6E-06	8.7E-07	8.7E-07	5.8E-07	1.7E-06	4.0E-07	1.4E-08	9.9E-06	9.9E-06
GI (LLI WALL)	1.8E-05	7.0E-07	3.6E-06	1.3E-06	1.3E-06	6.1E-07	7.7E-07	3.4E-06	7.6E-09	9.8E-06	9.8E-06
KIDNEYS	1.2E-06	8.0E-06	2.7E-06	1.1E-06	1.1E-06	7.5E-07	1.1E-05	6.2E-08	4.5E-08	9.7E-06	9.7E-06
LIVER	6.9E-07	5.4E-06	1.2E-06	8.2E-07	8.2E-07	6.8E-07	1.2E-06	4.4E-08	1.3E-07	9.7E-06	9.7E-06
LUNGS	8.3E-08	3.1E-06	1.5E-06	1.2E-06	1.2E-06	7.5E-07	2.8E-06	1.1E-08	1.2E-06	9.4E-06	9.4E-06
MARROW (RED)	5.9E-06	3.1E-06	2.7E-04	7.1E-06	1.3E-04	1.1E-06	1.9E-06	8.4E-07	1.3E-06	1.0E-05	1.0E-05
OTH TISS (MUSC)	2.4E-06	2.2E-06	1.5E-06	1.2E-06	1.2E-06	9.2E-07	1.8E-06	1.4E-06	1.6E-06	9.3E-06	9.3E-06
OVARIES	5.0E-02	4.6E-07	3.6E-06	9.0E-07	9.0E-07	5.0E-07	6.2E-07	0.0	8.7E-09	9.9E-06	9.9E-06
PANCREAS	6.2E-07	5.6E-03	2.1E-06	1.1E-06	1.1E-06	6.1E-07	2.3E-05	7.4E-08	1.0E-07	1.0E-05	1.0E-05
SKIN	5.3E-07	5.2E-07	7.7E-07	8.6E-07	8.6E-07	2.1E-04	6.1E-07	1.7E-06	9.3E-07	8.6E-06	8.6E-06
SPLEEN	6.5E-07	2.3E-05	1.1E-06	7.7E-07	7.7E-07	6.9E-07	3.1E-03	3.5E-08	1.4E-07	9.7E-06	9.7E-06
TESTES	0.0	7.7E-08	5.0E-07	7.8E-07	7.8E-07	1.2E-06	7.2E-08	1.6E-02	1.1E-09	9.1E-06	9.1E-06
THYROID	8.7E-09	1.7E-07	8.8E-07	1.1E-06	1.1E-06	8.9E-07	1.2E-07	1.1E-09	2.7E-02	9.0E-06	9.0E-06
UTERUS (NONGRVD)	2.5E-05	7.1E-07	2.7E-06	7.2E-07	7.2E-07	5.1E-07	5.0E-07	0.0	8.1E-09	1.0E-05	1.0E-05
TOTAL BODY	1.0E-05	1.0E-05	9.6E-06	9.4E-06	9.4E-06	8.6E-06	9.7E-06	9.3E-06	9.2E-06	9.4E-06	9.4E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 RUBIDIUM-81 HALF-LIFE 4.58 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	2.3E-02	8.3E-07	7.6E-06	4.5E-06	3.6E-06	1.8E-06	4.4E-05	8.7E-06	5.5E-06
BLADDER WALL	4.2E-07	1.0E-03	1.6E-06	1.2E-05	6.9E-06	2.0E-05	1.4E-06	2.7E-07	6.4E-06
BONE (TOTAL)	4.9E-06	2.1E-06	2.2E-06	2.8E-06	2.6E-06	3.8E-06	3.6E-06	3.6E-06	4.0E-06
GI (STOM WALL)	1.1E-05	1.2E-06	7.9E-04	1.2E-05	1.3E-05	6.4E-06	1.2E-05	6.8E-06	5.0E-06
GI (SI)	3.4E-06	9.4E-06	9.4E-06	4.9E-04	5.9E-05	3.2E-05	9.8E-06	5.7E-06	5.6E-06
GI (ULI WALL)	3.8E-06	8.4E-06	1.2E-05	8.6E-05	8.4E-04	1.5E-05	1.0E-05	9.1E-06	5.9E-06
GI (LLI WALL)	1.2E-06	2.5E-05	4.6E-06	2.5E-05	1.1E-05	1.3E-03	3.1E-06	1.1E-06	6.1E-06
KIDNEYS	4.1E-05	1.4E-06	1.2E-05	1.1E-05	9.7E-06	3.0E-06	1.3E-03	1.3E-05	5.2E-06
LIVER	1.8E-05	1.0E-06	7.3E-06	6.5E-06	8.8E-06	1.2E-06	1.4E-05	2.6E-04	4.0E-06
LUNGS	8.4E-06	1.8E-07	6.6E-06	1.2E-06	1.2E-06	3.8E-07	3.4E-06	8.6E-06	4.9E-06
MARROW (RED)	8.8E-06	4.6E-06	3.8E-06	9.1E-06	7.8E-06	1.1E-05	9.0E-06	4.6E-06	5.0E-06
OTH TISS (MUSC)	5.5E-06	6.4E-06	5.0E-06	5.6E-06	5.3E-06	6.1E-06	5.2E-06	4.0E-06	1.6E-05
OVARIES	2.0E-06	2.2E-05	2.0E-06	3.2E-05	4.5E-05	5.8E-05	4.2E-06	8.6E-07	7.2E-06
PANCREAS	3.0E-05	9.5E-07	6.3E-05	7.4E-06	6.5E-06	2.7E-06	2.3E-05	1.7E-05	6.5E-06
SKIN	2.4E-06	2.3E-06	2.1E-06	1.9E-06	2.0E-06	2.1E-06	2.4E-06	2.2E-06	3.3E-06
SPLEEN	2.3E-05	8.1E-07	3.4E-05	5.6E-06	4.5E-06	3.4E-06	3.0E-05	3.6E-06	5.3E-06
TESTES	2.5E-07	1.8E-05	1.2E-07	1.3E-06	1.8E-06	7.3E-06	5.4E-07	4.3E-07	4.4E-06
THYROID	7.1E-07	3.5E-08	5.5E-07	1.4E-07	1.5E-07	6.6E-08	3.4E-07	6.7E-07	5.0E-06
UTERUS (NONGRVD)	1.7E-06	5.3E-05	3.2E-06	3.1E-05	1.6E-05	2.0E-05	3.0E-06	1.6E-06	7.2E-06
TOTAL BODY	1.0E-05	7.3E-06	7.8E-06	1.1E-05	9.0E-06	9.5E-06	1.1E-05	1.1E-05	9.6E-06

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(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 RUBIDIUM-81 HALF-LIFE 4.58 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID				
			R MARROW	CORT	BONE	TRA	BONE					
ADRENALS	2.1E-06	3.0E-05	6.6E-06	6.1E-06	6.1E-06	2.4E-06	2.2E-05	2.5E-07	7.1E-07	1.3E-05		
BLADDER WALL	2.4E-05	6.9E-07	2.5E-06	2.3E-06	2.3E-06	2.3E-06	5.3E-07	1.8E-05	3.5E-08	1.1E-05		
BONE (TOTAL)	3.3E-06	3.3E-06	2.4E-05	7.3E-05	5.0E-05	3.1E-05	2.8E-06	2.4E-06	2.7E-06	9.8E-06		
GI (STOM WALL)	3.0E-06	6.1E-05	3.6E-06	2.1E-06	2.1E-06	2.3E-06	3.5E-05	4.0E-07	4.5E-07	1.1E-05		
GI (SI)	4.2E-05	6.3E-06	9.6E-06	2.9E-06	2.9E-06	2.0E-06	5.0E-06	1.9E-06	3.5E-08	1.2E-05		
GI (ULI WALL)	4.0E-05	7.8E-06	7.4E-06	2.5E-06	2.5E-06	2.1E-06	5.0E-06	1.2E-06	4.5E-08	1.1E-05		
GI (LLI WALL)	5.1E-05	1.9E-06	1.1E-05	3.4E-06	3.4E-06	2.2E-06	2.5E-06	1.0E-05	5.5E-08	1.1E-05		
KIDNEYS	4.0E-06	2.2E-05	8.5E-06	3.3E-06	3.3E-06	2.7E-06	3.1E-05	3.7E-07	1.9E-07	1.1E-05		
LIVER	2.2E-06	1.5E-05	3.7E-06	2.5E-06	2.5E-06	2.4E-06	3.8E-06	2.0E-07	5.7E-07	1.1E-05		
LUNGS	4.1E-07	8.5E-06	4.3E-06	3.5E-06	3.5E-06	2.4E-06	7.9E-06	5.5E-08	3.8E-06	9.9E-06		
MARROW (RED)	1.1E-05	6.3E-06	1.7E-04	1.4E-05	8.9E-05	2.9E-06	4.1E-06	1.9E-06	3.0E-06	1.0E-05		
OTH TISS (MUSC)	7.2E-06	6.5E-06	4.7E-06	4.0E-06	4.0E-06	3.3E-06	5.3E-06	4.4E-06	5.0E-06	9.6E-06		
OVARIES	3.1E-02	1.5E-06	1.3E-05	3.8E-06	3.8E-06	1.2E-06	3.6E-06	0.0	6.5E-08	1.1E-05		
PANCREAS	2.1E-06	3.9E-03	6.0E-06	3.3E-06	3.3E-06	2.1E-06	7.0E-05	1.6E-07	2.5E-07	1.1E-05		
SKIN	1.9E-06	1.8E-06	2.7E-06	3.1E-06	3.1E-06	1.2E-06	2.3E-06	5.7E-06	3.1E-06	7.6E-06		
SPLEEN	2.5E-06	6.9E-05	3.0E-06	3.0E-06	3.0E-06	2.4E-06	2.2E-03	4.4E-07	4.8E-07	1.1E-05		
TESTES	0.0	2.4E-07	1.5E-06	2.1E-06	2.1E-06	3.1E-06	3.4E-07	1.0E-02	1.3E-08	1.1E-05		
THYROID	6.5E-08	6.4E-07	3.2E-06	3.9E-06	3.9E-06	3.0E-06	5.3E-07	1.3E-08	1.7E-02	9.6E-06		
UTERUS (NONGRVD)	6.5E-05	2.3E-06	6.9E-06	2.1E-06	2.1E-06	2.1E-06	1.7E-06	0.0	6.2E-08	1.1E-05		
TOTAL BODY	1.2E-05	1.1E-05	1.0E-05	9.6E-06	9.6E-06	7.7E-06	1.0E-05	9.5E-06	9.1E-06	9.6E-06		

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S, ABSORBED DOSE (RAD) PER 1 UCI-H
 OF RUBIDIUM-81 (HALF-LIFE 4.58 HOURS) AND 0.96 UCI-H OF KRYPTON-81M (HALF-LIFE 3.61E-03 HOURS)
 SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	3.3E-02	1.0E-06	9.9E-06	5.9E-06	4.5E-06	2.2E-06	2.2E-05	1.1E-05	6.9E-06
BLADDER WALL	5.3E-07	1.4E-03	1.8E-06	1.4E-05	8.9E-06	2.6E-05	1.3E-06	3.1E-07	8.0E-06
BONE (TOTAL)	6.5E-06	2.9E-06	2.9E-06	3.8E-06	3.5E-06	5.0E-06	3.5E-06	4.7E-06	4.9E-06
GI (STOM WALL)	1.3E-05	1.5E-06	1.1E-03	1.6E-05	1.6E-05	8.1E-06	8.6E-06	8.3E-06	6.3E-06
GI (SI)	4.2E-06	1.2E-05	1.2E-05	6.8E-04	7.4E-05	4.1E-05	7.3E-06	1.2E-06	7.0E-06
GI (ULI WALL)	4.6E-06	1.1E-05	1.5E-05	1.1E-04	1.2E-03	1.9E-05	1.1E-05	1.6E-06	7.4E-06
GI (LLI WALL)	1.4E-06	3.2E-05	5.8E-06	3.1E-05	1.4E-05	1.8E-03	1.4E-06	3.9E-07	7.7E-06
KIDNEYS	5.2E-05	1.6E-06	1.5E-05	1.4E-05	1.2E-05	3.9E-06	1.7E-03	4.5E-06	6.5E-06
LIVER	2.2E-05	1.2E-06	9.1E-06	8.2E-06	1.1E-05	1.5E-06	3.6E-04	1.1E-05	5.0E-06
LUNGS	1.1E-05	2.0E-07	8.2E-06	1.4E-06	1.5E-06	4.6E-07	1.1E-05	5.0E-04	6.1E-06
MARROW (RED)	1.2E-05	6.2E-06	5.1E-06	1.2E-05	1.1E-05	1.5E-05	5.2E-06	6.0E-06	6.5E-06
OTH TISS (MUSC)	6.9E-06	8.0E-06	6.3E-06	7.0E-06	6.7E-06	7.7E-06	5.0E-06	6.1E-06	2.2E-05
OVARIES	2.5E-06	2.9E-05	2.4E-06	4.2E-05	5.5E-05	7.7E-05	1.3E-06	6.6E-07	9.1E-06
PANCREAS	3.8E-05	1.2E-06	7.9E-05	9.4E-06	8.8E-06	3.3E-06	2.1E-05	1.2E-05	8.2E-06
SKIN	3.0E-06	2.9E-06	2.5E-06	2.3E-06	2.4E-06	2.6E-06	2.6E-06	3.0E-06	4.0E-06
SPLEEN	2.9E-05	1.0E-06	4.3E-05	7.1E-06	5.8E-06	4.1E-06	4.5E-06	9.8E-06	6.7E-06
TESTES	3.0E-07	2.2E-05	1.8E-07	1.7E-06	2.1E-06	9.2E-06	5.1E-07	1.0E-07	5.5E-06
THYROID	8.6E-07	3.8E-08	6.6E-07	1.6E-07	1.8E-07	7.4E-08	8.8E-07	5.1E-06	6.2E-06
UTERUS (NONGRVD)	3.8E-06	6.8E-05	4.0E-06	4.0E-05	2.1E-05	2.7E-05	1.9E-06	4.4E-07	9.4E-06
TOTAL BODY	1.4E-05	9.3E-06	1.0E-05	1.4E-05	1.2E-05	1.2E-05	1.4E-05	1.3E-05	1.3E-05

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81 Rb+81mKr

S, ABSORBED DOSE (RAD) PER 1 UCI-H (CONTINUED)
 OF RUBIDIUM-81 (HALF-LIFE 4.58 HOURS) AND 0.96 UCI-H OF KRYPTON-81M (HALF-LIFE 3.61E-03 HOURS)

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY											
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	THYROID	TESTES	SPLEEN												
			R MARROW	CORT	BONE	TRA	BONE															
ADRENALS	2.5E-06	3.8E-05	9.1E-06	7.2E-06	7.2E-06	7.2E-06	3.2E-06	3.2E-06	2.8E-05	3.0E-07	8.6E-07	8.6E-07	3.0E-07	2.8E-05	3.0E-07	8.6E-07	3.0E-07	2.8E-05	3.0E-07	8.6E-07	3.0E-07	1.6E-05
BLADDER WALL	3.0E-05	8.3E-07	3.3E-06	2.7E-06	2.7E-06	2.7E-06	2.8E-06	2.8E-06	6.9E-07	2.3E-05	3.8E-08	3.8E-08	2.3E-05	6.9E-07	2.3E-05	3.8E-08	2.3E-05	6.9E-07	3.8E-08	2.3E-05	3.8E-08	1.4E-05
BONE (TOTAL)	4.5E-06	4.4E-06	3.2E-05	1.0E-04	7.1E-05	7.1E-05	3.9E-06	3.9E-06	3.7E-06	3.1E-06	3.5E-06	3.5E-06	3.1E-06	3.7E-06	3.1E-06	3.5E-06	3.1E-06	3.7E-06	3.1E-06	3.5E-06	3.1E-06	1.3E-05
GI (STOM WALL)	3.7E-06	7.8E-05	4.6E-06	2.6E-06	2.6E-06	2.6E-06	2.8E-06	2.8E-06	4.4E-05	4.5E-07	4.9E-07	4.9E-07	4.5E-07	4.4E-05	4.5E-07	4.9E-07	4.5E-07	4.4E-05	4.5E-07	4.9E-07	4.5E-07	1.4E-05
GI (SI)	5.3E-05	8.1E-06	1.2E-05	3.6E-06	3.6E-06	3.6E-06	2.4E-06	2.4E-06	6.3E-06	2.3E-06	4.9E-08	4.9E-08	2.3E-06	6.3E-06	2.3E-06	4.9E-08	2.3E-06	6.3E-06	2.3E-06	4.9E-08	4.9E-08	1.5E-05
GI (ULI WALL)	5.1E-05	9.8E-06	9.4E-06	3.2E-06	3.2E-06	3.2E-06	2.5E-06	2.5E-06	6.2E-06	1.5E-06	5.6E-08	5.6E-08	1.5E-06	6.2E-06	1.5E-06	5.6E-08	1.5E-06	6.2E-06	1.5E-06	5.6E-08	5.6E-08	1.5E-05
GI (LLI WALL)	6.5E-05	2.5E-06	1.4E-05	4.4E-06	4.4E-06	4.4E-06	2.6E-06	2.6E-06	3.1E-06	1.3E-05	6.1E-08	6.1E-08	1.3E-05	3.1E-06	1.3E-05	6.1E-08	1.3E-05	3.1E-06	1.3E-05	6.1E-08	6.1E-08	1.5E-05
KIDNEYS	5.0E-06	2.8E-05	1.1E-05	4.2E-06	4.2E-06	4.2E-06	3.3E-06	3.3E-06	3.9E-05	4.2E-07	2.3E-07	2.3E-07	4.2E-07	3.9E-05	4.2E-07	2.3E-07	4.2E-07	3.9E-05	4.2E-07	2.3E-07	2.3E-07	1.4E-05
LIVER	2.7E-06	1.9E-05	4.6E-06	3.2E-06	3.2E-06	3.2E-06	2.9E-06	2.9E-06	4.8E-06	2.3E-07	6.8E-07	6.8E-07	2.3E-07	4.8E-06	2.3E-07	6.8E-07	2.3E-07	4.8E-06	2.3E-07	6.8E-07	6.8E-07	1.4E-05
LUNGS	4.7E-07	1.1E-05	5.4E-06	4.4E-06	4.4E-06	4.4E-06	3.0E-06	3.0E-06	1.0E-05	6.5E-08	4.7E-06	4.7E-06	6.5E-08	1.0E-05	6.5E-08	4.7E-06	6.5E-08	1.0E-05	6.5E-08	4.7E-06	4.7E-06	1.3E-05
MARROW (RED)	1.5E-05	8.4E-06	2.5E-04	1.8E-05	1.8E-05	1.8E-05	3.7E-06	3.7E-06	5.5E-06	2.5E-06	3.9E-06	3.9E-06	2.5E-06	5.5E-06	2.5E-06	3.9E-06	2.5E-06	5.5E-06	2.5E-06	3.9E-06	3.9E-06	1.4E-05
OTH TISS (MUSC)	9.1E-06	8.2E-06	5.9E-06	4.9E-06	4.9E-06	4.9E-06	4.0E-06	4.0E-06	6.7E-06	5.5E-06	6.2E-06	6.2E-06	5.5E-06	6.7E-06	5.5E-06	6.2E-06	5.5E-06	6.7E-06	5.5E-06	6.2E-06	6.2E-06	1.3E-05
OVARIES	4.3E-02	1.8E-06	1.5E-05	4.5E-06	4.5E-06	4.5E-06	1.6E-06	1.6E-06	4.2E-06	0.0	7.3E-08	7.3E-08	0.0	4.2E-06	0.0	7.3E-08	0.0	4.2E-06	0.0	7.3E-08	7.3E-08	1.4E-05
PANCREAS	2.5E-06	5.4E-03	7.6E-06	4.3E-06	4.3E-06	4.3E-06	2.6E-06	2.6E-06	8.7E-05	2.3E-07	3.5E-07	3.5E-07	2.3E-07	8.7E-05	2.3E-07	3.5E-07	2.3E-07	8.7E-05	2.3E-07	3.5E-07	3.5E-07	1.5E-05
SKIN	2.3E-06	2.2E-06	3.3E-06	3.8E-06	3.8E-06	3.8E-06	1.7E-04	1.7E-04	2.7E-06	7.1E-06	3.8E-06	3.8E-06	7.1E-06	2.7E-06	7.1E-06	3.8E-06	7.1E-06	2.7E-06	7.1E-06	3.8E-06	3.8E-06	1.0E-05
SPLEEN	3.0E-06	8.6E-05	3.8E-06	3.6E-06	3.6E-06	3.6E-06	2.9E-06	2.9E-06	3.0E-03	4.6E-07	5.9E-07	5.9E-07	4.6E-07	3.0E-03	4.6E-07	5.9E-07	4.6E-07	3.0E-03	4.6E-07	5.9E-07	5.9E-07	1.4E-05
TESTES	0.0	3.1E-07	1.8E-06	2.7E-06	2.7E-06	2.7E-06	4.1E-06	4.1E-06	4.0E-07	1.4E-02	1.3E-08	1.3E-08	1.4E-02	4.0E-07	1.4E-02	1.3E-08	1.4E-02	4.0E-07	1.4E-02	1.3E-08	1.3E-08	1.4E-05
THYROID	7.3E-08	7.8E-07	3.9E-06	4.7E-06	4.7E-06	4.7E-06	3.7E-06	3.7E-06	6.4E-07	1.3E-08	2.4E-02	2.4E-02	1.3E-08	6.4E-07	1.3E-08	2.4E-02	1.3E-08	6.4E-07	1.3E-08	2.4E-02	2.4E-02	1.3E-05
UTERUS (NONGRVD)	8.4E-05	2.8E-06	9.0E-06	2.7E-06	2.7E-06	2.7E-06	2.4E-06	2.4E-06	2.1E-06	0.0	6.9E-08	6.9E-08	0.0	2.1E-06	0.0	6.9E-08	0.0	2.1E-06	0.0	6.9E-08	6.9E-08	1.5E-05
TOTAL BODY	1.5E-05	1.5E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.0E-05	1.0E-05	1.4E-05	1.3E-05	1.2E-05	1.2E-05	1.3E-05	1.4E-05	1.3E-05	1.2E-05	1.3E-05	1.4E-05	1.3E-05	1.2E-05	1.2E-05	1.3E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
RUBIDIUM-82 HALF-LIFE 2.17E-02 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	2.0E-01	1.8E-06	1.7E-05	9.8E-06	8.1E-06	3.9E-06	9.8E-05	3.9E-05	1.9E-05	1.2E-05
BLADDER WALL	9.5E-07	7.5E-03	3.7E-06	2.6E-05	1.5E-05	4.4E-05	3.1E-06	2.7E-06	6.0E-07	1.4E-05
BONE (TOTAL)	1.1E-05	4.6E-06	4.8E-06	6.2E-06	5.7E-06	8.2E-06	7.8E-06	5.8E-06	7.9E-06	8.8E-06
GI (STOM WALL)	2.3E-05	2.7E-06	6.0E-03	2.7E-05	2.8E-05	1.4E-05	2.6E-05	1.5E-05	1.5E-05	1.1E-05
GI (SI)	7.6E-06	2.1E-05	2.1E-05	3.7E-03	1.3E-04	7.0E-05	2.2E-05	1.3E-05	2.2E-06	1.2E-05
GI (ULI WALL)	8.3E-06	1.9E-05	2.6E-05	1.8E-04	6.6E-03	3.3E-05	2.3E-05	2.0E-05	3.1E-06	1.3E-05
GI (LLI WALL)	2.8E-06	5.6E-05	1.0E-05	5.3E-05	2.4E-05	1.1E-02	7.0E-06	2.6E-06	6.3E-07	1.3E-05
KIDNEYS	9.0E-05	3.1E-06	2.6E-05	2.5E-05	2.2E-05	6.6E-06	9.5E-03	3.0E-05	8.3E-06	1.1E-05
LIVER	3.9E-05	2.3E-06	1.6E-05	1.4E-05	1.9E-05	2.8E-06	3.1E-05	1.7E-03	1.9E-05	8.8E-06
LUNGS	1.8E-05	4.1E-07	1.5E-05	2.7E-06	2.7E-06	8.5E-07	7.6E-06	1.9E-05	2.9E-03	1.1E-05
MARROW (RED)	1.9E-05	9.9E-06	8.2E-06	2.0E-05	1.7E-05	2.5E-05	2.0E-05	8.5E-06	1.0E-05	1.1E-05
OTH TISS (MUSC)	1.2E-05	1.4E-05	1.1E-05	1.2E-05	1.2E-05	1.3E-05	1.1E-05	8.8E-06	1.1E-05	1.1E-04
OVARIES	4.3E-06	4.9E-05	4.5E-06	7.0E-05	9.7E-05	1.3E-04	9.4E-06	1.9E-06	1.2E-06	1.6E-05
PANCREAS	6.6E-05	2.1E-06	1.4E-04	1.6E-05	1.4E-05	5.9E-06	5.2E-05	3.8E-05	2.2E-05	1.4E-05
SKIN	5.4E-06	5.2E-06	4.7E-06	4.2E-06	4.4E-06	4.7E-06	5.3E-06	4.8E-06	5.4E-06	7.3E-06
SPLEEN	5.1E-05	1.8E-06	7.5E-05	1.2E-05	9.8E-06	7.5E-06	6.5E-05	8.0E-06	1.7E-05	1.2E-05
TESTES	5.8E-07	4.0E-05	2.8E-07	3.0E-06	4.1E-06	1.6E-05	1.2E-06	9.9E-07	2.0E-07	9.8E-06
THYROID	1.6E-06	8.0E-08	1.2E-06	3.3E-07	3.5E-07	1.5E-07	7.7E-07	1.5E-06	9.7E-06	1.1E-05
UTERUS (NONGRVD)	3.0E-06	1.2E-04	7.1E-06	6.8E-05	3.5E-05	4.4E-05	6.6E-06	3.5E-06	7.8E-07	1.5E-05
TOTAL BODY	5.3E-05	1.9E-05	2.6E-05	4.7E-05	3.4E-05	3.8E-05	5.3E-05	5.3E-05	5.1E-05	5.1E-05

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.

DATE OF ISSUE-05-13-75

82Rb

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 RUBIDIUM-82 HALF-LIFE 2.17E-02 HOURS (CONTINUED)

SOURCE ORGANS

TARGET ORGANS	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY
	R MARROW CORT BONE TRA BONE							
ADRENALS	4.8E-06	6.6E-05	1.4E-05	5.3E-06	4.8E-05	5.8E-07	1.6E-06	5.8E-05
BLADDER WALL	5.3E-05	1.5E-06	5.1E-06	5.1E-06	1.2E-06	4.0E-05	8.1E-08	5.4E-05
BONE (TOTAL)	7.3E-06	7.3E-06	5.8E-04	6.7E-06	6.1E-06	5.2E-06	6.0E-06	5.1E-05
GI (STOM WALL)	6.6E-06	1.3E-04	4.6E-06	5.2E-06	7.7E-05	9.2E-07	1.0E-06	5.4E-05
GI (SI)	9.3E-05	1.4E-05	6.4E-06	4.4E-06	1.1E-05	4.3E-06	8.0E-08	5.5E-05
GI (ULI WALL)	8.7E-05	1.7E-05	5.6E-06	4.7E-06	1.1E-05	2.6E-06	1.1E-07	5.5E-05
GI (LLI WALL)	1.1E-04	4.3E-06	7.5E-06	4.8E-06	5.5E-06	2.2E-05	1.3E-07	5.5E-05
KIDNEYS	9.0E-06	4.9E-05	7.4E-06	6.0E-06	6.7E-05	8.4E-07	4.4E-07	5.4E-05
LIVER	4.9E-06	3.2E-05	5.6E-06	5.4E-06	8.5E-06	4.5E-07	1.3E-06	5.3E-05
LUNGS	9.3E-07	1.9E-05	7.8E-06	5.4E-06	1.7E-05	1.2E-07	8.5E-06	5.2E-05
MARROW (RED)	2.4E-05	1.4E-05	7.0E-05	6.3E-06	8.9E-06	4.2E-06	6.6E-06	5.3E-05
OTH TISS (MUSC)	1.6E-05	1.4E-05	8.8E-06	7.3E-06	1.2E-05	9.8E-06	1.1E-05	5.1E-05
OVARIES	2.6E-01	3.4E-06	8.5E-06	2.6E-06	8.2E-06	0.0	1.5E-07	5.3E-05
PANCREAS	4.6E-06	2.9E-02	7.2E-06	4.6E-06	1.5E-04	3.4E-07	5.5E-07	5.3E-05
SKIN	4.2E-06	4.1E-06	6.9E-06	1.1E-03	5.0E-06	1.3E-05	6.9E-06	4.7E-05
SPLEEN	5.5E-06	1.5E-04	6.7E-06	5.3E-06	1.6E-02	1.0E-06	1.1E-06	5.4E-05
TESTES	0.0	5.4E-07	4.6E-06	6.6E-06	7.7E-07	8.2E-02	3.0E-08	5.4E-05
THYROID	1.5E-07	1.4E-06	8.5E-06	6.6E-06	1.2E-06	3.0E-08	1.4E-01	5.1E-05
UTERUS (NONGRVD)	1.4E-04	5.0E-06	4.8E-06	4.6E-06	3.8E-06	0.0	1.4E-07	5.4E-05
TOTAL BODY	5.5E-05	5.5E-05	5.1E-05	4.7E-05	5.3E-05	5.1E-05	5.0E-05	5.1E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
RUBIDIUM-84 HALF-LIFE 792. HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	STOMACH CONTENTS	SI CONTENTS	INTESTINAL TRACT CONTENTS	ULI CONTENTS	LLI CONTENTS	KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
ADRENALS	2.3E-02	1.6E-06	1.4E-05	7.7E-06	7.4E-06	7.4E-06	3.2E-06	7.9E-05	3.1E-05	1.5E-05	9.9E-06
BLADDER WALL	1.3E-06	1.2E-03	3.1E-06	1.7E-05	1.3E-05	1.3E-05	3.4E-05	2.8E-06	1.6E-06	5.5E-07	1.1E-05
BONE (TOTAL)	8.6E-06	3.6E-06	3.8E-06	5.0E-06	4.5E-06	4.5E-06	6.5E-06	6.2E-06	4.6E-06	6.3E-06	7.2E-06
GI (STOM WALL)	1.9E-05	3.0E-06	8.9E-04	2.2E-05	2.3E-05	2.3E-05	1.1E-05	2.1E-05	1.2E-05	1.2E-05	9.0E-06
GI (SI)	6.1E-06	1.7E-05	1.6E-05	5.5E-04	1.0E-04	1.0E-04	5.6E-05	1.8E-05	1.0E-05	2.0E-06	9.9E-06
GI (ULI WALL)	7.1E-06	1.3E-05	2.0E-05	1.5E-04	9.1E-04	9.1E-04	2.6E-05	1.8E-05	1.6E-05	2.6E-06	1.0E-05
GI (LLI WALL)	1.9E-06	4.3E-05	8.5E-06	4.3E-05	2.0E-05	2.0E-05	1.4E-03	5.6E-06	1.9E-06	5.7E-07	1.1E-05
KIDNEYS	7.2E-05	2.4E-06	2.1E-05	2.0E-05	1.8E-05	1.8E-05	5.7E-06	1.4E-03	2.4E-05	6.5E-06	9.2E-06
LIVER	3.0E-05	1.9E-06	1.3E-05	1.2E-05	1.6E-05	1.6E-05	2.4E-06	2.5E-05	3.2E-04	1.5E-05	7.2E-06
LUNGS	1.5E-05	4.5E-07	1.1E-05	2.2E-06	2.5E-06	2.5E-06	9.0E-07	6.3E-06	1.5E-05	3.8E-04	8.6E-06
MARROW (RED)	1.5E-05	7.6E-06	6.4E-06	1.6E-05	1.3E-05	1.3E-05	1.9E-05	1.6E-05	6.6E-06	8.0E-06	8.6E-06
OTH TISS (MUSC)	9.9E-06	1.1E-05	9.0E-06	9.9E-06	9.4E-06	9.4E-06	1.1E-05	9.2E-06	7.2E-06	8.6E-06	2.0E-05
OVARIES	3.5E-06	3.3E-05	7.0E-06	6.2E-05	6.1E-05	6.1E-05	1.1E-04	9.2E-06	3.3E-06	1.1E-06	1.3E-05
PANCREAS	5.5E-05	1.8E-06	1.1E-04	1.3E-05	1.3E-05	1.3E-05	4.8E-06	4.3E-05	2.8E-05	1.6E-05	1.1E-05
SKIN	4.6E-06	4.4E-06	4.0E-06	3.6E-06	3.6E-06	3.6E-06	3.9E-06	4.3E-06	4.0E-06	4.4E-06	6.1E-06
SPLEEN	3.9E-05	1.6E-06	6.0E-05	1.0E-05	8.4E-06	8.4E-06	6.6E-06	5.3E-05	7.0E-06	1.4E-05	9.4E-06
TESTES	5.4E-07	3.1E-05	7.1E-07	3.0E-06	3.6E-06	3.6E-06	1.1E-05	1.1E-06	1.3E-06	2.1E-07	8.0E-06
THYROID	1.4E-06	9.1E-08	1.1E-06	3.2E-07	3.4E-07	3.4E-07	1.6E-07	7.0E-07	1.3E-06	8.5E-06	8.8E-06
UTERUS (NONGRVD)	2.9E-06	9.3E-05	6.0E-06	5.4E-05	2.9E-05	2.9E-05	3.5E-05	5.4E-06	2.7E-06	7.2E-07	1.5E-05
TOTAL BODY	1.5E-05	1.2E-05	1.3E-05	1.6E-05	1.4E-05	1.4E-05	1.5E-05	1.5E-05	1.5E-05	1.3E-05	1.3E-05

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84Rb

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 RUBIDIUM-84 HALF-LIFE 792. HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID		
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	3.7E-06	4.7E-05	1.6E-05	1.2E-05	1.2E-05	4.9E-06	4.3E-05	5.4E-07	1.4E-06		1.7E-05
BLADDER WALL	4.4E-05	1.0E-06	6.1E-06	3.4E-06	3.4E-06	4.7E-06	1.8E-06	3.3E-05	9.1E-08		1.7E-05
BONE (TOTAL)	5.8E-06	5.7E-06	3.0E-05	7.9E-05	5.6E-05	5.6E-06	4.9E-06	4.2E-06	4.8E-06		1.3E-05
GI (STOM WALL)	5.1E-06	1.1E-04	7.2E-06	3.6E-06	3.6E-06	4.3E-06	6.0E-05	6.3E-07	8.7E-07		1.5E-05
GI (SI)	7.2E-05	1.1E-05	1.7E-05	5.3E-06	5.3E-06	3.8E-06	8.9E-06	3.5E-06	1.8E-07		1.7E-05
GI (ULI WALL)	6.8E-05	1.4E-05	1.2E-05	4.8E-06	4.8E-06	4.1E-06	9.0E-06	2.5E-06	2.0E-07		1.6E-05
GI (LLI WALL)	8.7E-05	3.5E-06	1.9E-05	6.6E-06	6.6E-06	4.2E-06	4.2E-06	1.6E-05	1.3E-07		1.7E-05
KIDNEYS	7.2E-06	3.9E-05	1.5E-05	7.0E-06	7.0E-06	5.0E-06	5.2E-05	8.5E-07	6.0E-07		1.6E-05
LIVER	4.1E-06	2.6E-05	6.5E-06	4.6E-06	4.6E-06	4.4E-06	6.9E-06	5.5E-07	1.2E-06		1.6E-05
LUNGS	9.2E-07	1.5E-05	7.8E-06	6.4E-06	6.4E-06	4.5E-06	1.4E-05	1.5E-07	7.2E-06		1.4E-05
MARROW (RED)	1.9E-05	1.1E-05	1.8E-04	2.4E-05	9.5E-05	5.2E-06	7.2E-06	3.3E-06	5.2E-06		1.4E-05
OTH TISS (MUSC)	1.3E-05	1.1E-05	8.4E-06	7.2E-06	7.2E-06	6.1E-06	9.4E-06	8.0E-06	8.8E-06		1.3E-05
OVARIES	3.1E-02	4.9E-06	1.9E-05	6.5E-06	6.5E-06	3.2E-06	4.8E-06	0.0	1.6E-07		1.4E-05
PANCREAS	5.0E-06	4.3E-03	8.8E-06	6.2E-06	6.2E-06	3.4E-06	1.2E-04	5.2E-07	4.2E-07		1.5E-05
SKIN	3.6E-06	3.5E-06	4.9E-06	5.6E-06	5.6E-06	1.2E-04	4.2E-06	1.0E-05	5.8E-06		1.0E-05
SPLEEN	4.2E-06	1.2E-04	6.2E-06	5.6E-06	5.6E-06	4.8E-06	2.4E-03	6.1E-07	1.2E-06		1.5E-05
TESTES	0.0	6.5E-07	2.8E-06	4.1E-06	4.1E-06	5.8E-06	7.0E-07	1.0E-02	3.8E-08		1.6E-05
THYROID	1.6E-07	6.4E-07	6.1E-06	4.8E-06	4.8E-06	5.0E-06	1.0E-06	3.8E-08	1.7E-02		1.4E-05
UTERUS (NONGRVD)	1.1E-04	4.0E-06	1.1E-05	5.1E-06	5.1E-06	4.4E-06	3.6E-06	0.0	1.5E-07		1.8E-05
TOTAL BODY	1.7E-05	1.6E-05	1.4E-05	1.3E-05	1.3E-05	1.0E-05	1.5E-05	1.3E-05	1.2E-05		1.3E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
RUBIDIUM-86 HALF-LIFE 448. HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	1.0E-01	1.7E-07	1.5E-06	7.7E-07	8.2E-07	3.3E-07	7.9E-06	3.1E-06	1.5E-06	9.9E-07
BLADDER WALL	1.7E-07	3.6E-03	3.3E-07	1.5E-06	1.4E-06	3.4E-06	3.2E-07	1.2E-07	6.3E-08	1.1E-06
BONE (TOTAL)	8.7E-07	3.6E-07	3.8E-07	5.0E-07	4.4E-07	6.5E-07	6.2E-07	4.6E-07	6.3E-07	7.3E-07
GI (STOM WALL)	1.9E-06	3.6E-07	2.9E-03	2.3E-06	2.3E-06	9.9E-07	2.1E-06	1.3E-06	1.3E-06	9.2E-07
GI (SI)	6.3E-07	1.8E-06	1.6E-06	1.8E-03	1.0E-05	5.6E-06	1.8E-06	1.0E-06	2.2E-07	1.0E-06
GI (ULI WALL)	7.3E-07	1.2E-06	2.0E-06	1.4E-05	3.3E-03	2.5E-06	1.8E-06	1.5E-06	2.8E-07	1.1E-06
GI (LLI WALL)	1.8E-07	4.2E-06	9.1E-07	4.3E-06	2.1E-06	5.3E-03	5.9E-07	1.9E-07	6.1E-08	1.1E-06
KIDNEYS	7.0E-06	2.5E-07	2.1E-06	2.0E-06	1.9E-06	6.2E-07	4.6E-03	2.4E-06	6.6E-07	9.4E-07
LIVER	3.0E-06	2.0E-07	1.3E-06	1.2E-06	1.6E-06	2.7E-07	2.4E-06	8.1E-04	1.5E-06	7.3E-07
LUNGS	1.5E-06	5.8E-08	1.1E-06	2.3E-07	2.8E-07	1.1E-07	6.5E-07	1.6E-06	1.4E-03	8.6E-07
MARROW (RED)	1.5E-06	7.4E-07	6.3E-07	1.5E-06	1.3E-06	1.9E-06	1.5E-06	6.5E-07	8.0E-07	8.4E-07
OTH TISS (MUSC)	9.9E-07	1.1E-06	9.2E-07	1.0E-06	9.6E-07	1.1E-06	9.4E-07	7.3E-07	8.6E-07	5.2E-05
OVARIES	3.2E-07	3.0E-06	9.6E-07	6.5E-06	4.5E-06	1.1E-05	1.0E-06	5.3E-07	1.2E-07	1.3E-06
PANCREAS	5.6E-06	1.9E-07	1.0E-05	1.3E-06	1.4E-06	4.8E-07	4.4E-06	2.7E-06	1.4E-06	1.1E-06
SKIN	4.9E-07	4.7E-07	4.1E-07	3.9E-07	3.8E-07	4.2E-07	4.5E-07	4.2E-07	4.6E-07	6.3E-07
SPLEEN	3.8E-06	1.7E-07	6.0E-06	1.0E-06	9.2E-07	7.0E-07	5.3E-06	7.4E-07	1.4E-06	9.6E-07
TESTES	6.1E-08	3.1E-06	1.2E-07	3.6E-07	3.7E-07	9.8E-07	1.2E-07	1.6E-07	2.5E-08	8.2E-07
THYROID	1.5E-07	1.2E-08	1.2E-07	3.8E-08	4.0E-08	1.9E-08	7.8E-08	1.4E-07	8.8E-07	8.9E-07
UTERUS (NONGRVD)	3.4E-07	9.2E-06	6.5E-07	5.4E-06	3.1E-06	3.6E-06	5.8E-07	2.8E-07	9.7E-08	1.7E-06
TOTAL BODY	2.1E-05	3.5E-06	7.2E-06	1.8E-05	1.1E-05	1.3E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05

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86Rb

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 RUBIDIUM-86 HALF-LIFE 448. HOURS (CONTINUED)

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	BONE				
			R MARROW	CORT BONE	TRA	BONE						
ADRENALS	3.7E-07	4.3E-06	1.9E-06	1.3E-06	1.3E-06	5.6E-07	4.6E-06	6.1E-08	1.5E-07	2.2E-05		
BLADDER WALL	4.5E-06	1.0E-07	7.6E-07	3.1E-07	3.1E-07	5.3E-07	2.4E-07	3.4E-06	1.2E-08	2.2E-05		
BONE (TOTAL)	5.7E-07	5.7E-07	8.4E-05	2.9E-04	1.6E-04	5.7E-07	5.0E-07	4.3E-07	4.8E-07	2.1E-05		
GI (STOM WALL)	5.2E-07	1.1E-05	7.9E-07	3.6E-07	3.6E-07	4.4E-07	6.0E-06	5.9E-08	9.8E-08	2.1E-05		
GI (SI)	7.1E-06	1.2E-06	1.7E-06	5.5E-07	5.5E-07	4.0E-07	9.2E-07	3.6E-07	2.9E-08	2.2E-05		
GI (ULI WALL)	6.7E-06	1.4E-06	1.2E-06	5.2E-07	5.2E-07	4.4E-07	9.2E-07	2.7E-07	3.3E-08	2.2E-05		
GI (LLI WALL)	8.5E-06	3.9E-07	1.9E-06	7.0E-07	7.0E-07	4.4E-07	4.2E-07	1.5E-06	1.7E-08	2.2E-05		
KIDNEYS	7.2E-07	3.9E-06	1.6E-06	7.8E-07	7.8E-07	5.2E-07	5.2E-06	1.0E-07	8.8E-08	2.1E-05		
LIVER	4.4E-07	2.6E-06	6.6E-07	4.8E-07	4.8E-07	4.5E-07	7.1E-07	7.4E-08	1.3E-07	2.1E-05		
LUNGS	1.1E-07	1.5E-06	8.0E-07	6.5E-07	6.5E-07	4.7E-07	1.4E-06	2.2E-08	7.6E-07	2.1E-05		
MARROW (RED)	1.9E-06	1.1E-06	6.3E-04	2.1E-05	4.2E-04	5.3E-07	7.2E-07	3.3E-07	5.2E-07	2.1E-05		
OTH TISS (MUSC)	1.3E-06	1.1E-06	8.6E-07	7.3E-07	7.3E-07	6.3E-07	9.6E-07	8.2E-07	8.9E-07	2.1E-05		
OVARIES	1.3E-01	6.7E-07	1.8E-06	6.2E-07	6.2E-07	4.1E-07	3.6E-07	0.0	2.0E-08	2.1E-05		
PANCREAS	6.0E-07	1.4E-02	7.5E-07	6.7E-07	6.7E-07	3.3E-07	1.1E-05	7.5E-08	7.8E-08	2.1E-05		
SKIN	3.8E-07	3.8E-07	5.0E-07	5.8E-07	5.8E-07	5.5E-04	4.3E-07	1.0E-06	6.1E-07	2.1E-05		
SPLEEN	4.0E-07	1.1E-05	7.0E-07	5.7E-07	5.7E-07	5.1E-07	8.0E-03	4.3E-08	1.4E-07	2.1E-05		
TESTES	0.0	8.7E-08	2.6E-07	4.5E-07	4.5E-07	6.2E-07	7.9E-08	4.1E-02	5.3E-09	2.1E-05		
THYROID	2.0E-08	3.7E-08	6.1E-07	3.9E-07	3.9E-07	4.8E-07	1.1E-07	5.3E-09	7.1E-02	2.1E-05		
UTERUS (NONGRVD)	1.1E-05	4.0E-07	1.0E-06	6.0E-07	6.0E-07	5.0E-07	3.8E-07	0.0	1.9E-08	2.2E-05		
TOTAL BODY	2.2E-05	2.2E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05		

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.
 DATE OF ISSUE-05-13-75

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
STRONTIUM-82 HALF-LIFE 600. HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	1.5E-03	9.7E-20	2.2E-12	1.6E-14	1.2E-14	3.2E-16	5.2E-07	5.8E-08	2.9E-08	1.4E-07
BLADDER WALL	1.4E-19	5.0E-05	9.4E-17	1.2E-11	9.2E-12	3.3E-09	6.0E-17	3.8E-17	2.9E-21	2.6E-08
BONE (TOTAL)	1.0E-08	7.8E-13	9.2E-10	1.0E-08	3.9E-09	1.7E-08	5.3E-09	7.0E-09	9.1E-09	1.4E-08
GI (STOM WALL)	8.8E-12	1.3E-16	3.4E-05	2.5E-08	5.0E-08	3.0E-10	3.8E-11	9.1E-09	1.3E-08	1.5E-08
GI (SI)	1.6E-14	5.5E-12	4.7E-09	2.6E-05	6.6E-07	3.6E-07	1.6E-10	3.8E-09	3.2E-16	3.0E-08
GI (ULI WALL)	1.5E-13	5.2E-12	1.9E-08	7.8E-06	3.8E-05	3.3E-07	2.2E-11	4.5E-09	4.9E-16	8.1E-08
GI (LLI WALL)	2.6E-16	8.2E-09	4.3E-11	7.8E-07	5.8E-08	5.9E-05	3.2E-13	2.2E-16	1.2E-17	1.7E-08
KIDNEYS	4.9E-07	4.3E-17	1.4E-11	1.3E-10	1.1E-11	2.4E-13	8.8E-05	2.0E-08	2.2E-12	6.2E-08
LIVER	5.3E-08	2.6E-17	5.1E-09	4.8E-09	3.8E-09	2.6E-16	1.1E-08	1.5E-05	2.9E-08	2.7E-08
LUNGS	7.6E-09	6.0E-22	4.2E-09	1.1E-16	1.3E-16	4.6E-18	8.4E-10	4.0E-08	2.4E-05	1.0E-07
MARROW (RED)	1.6E-08	6.7E-10	9.5E-10	4.2E-08	1.6E-08	7.3E-08	1.4E-08	6.9E-09	9.6E-09	6.7E-08
OTH TISS (MUSC)	1.4E-07	2.6E-08	1.5E-08	3.0E-08	1.1E-08	1.7E-08	6.2E-08	2.7E-08	1.0E-07	7.1E-07
OVARIES	2.6E-17	1.6E-10	1.2E-14	3.3E-07	4.8E-07	9.7E-07	2.0E-14	6.3E-15	3.8E-19	1.4E-07
PANCREAS	8.0E-10	2.3E-18	2.0E-07	1.1E-12	1.1E-12	1.3E-14	6.0E-10	3.5E-08	2.1E-10	9.6E-08
SKIN	1.5E-09	6.3E-10	3.3E-10	1.3E-09	2.2E-11	3.4E-09	3.9E-09	1.4E-09	1.1E-09	9.5E-08
SPLEEN	9.9E-09	1.7E-18	2.8E-09	5.7E-12	1.9E-12	1.2E-13	1.5E-07	6.7E-14	1.6E-08	5.3E-08
TESTES	2.3E-23	5.7E-11	2.1E-20	1.8E-16	2.8E-16	1.3E-11	9.3E-21	1.0E-20	1.9E-40	9.3E-09
THYROID	3.0E-20	1.4E-29	2.5E-20	9.8E-40	1.2E-39	2.4E-42	4.2E-22	1.2E-19	3.5E-13	1.2E-07
UTERUS (NONGRVD)	9.9E-18	9.2E-08	3.1E-15	3.2E-08	1.1E-10	1.5E-10	4.7E-15	9.0E-16	1.2E-19	3.2E-07
TOTAL BODY	4.1E-07	2.7E-07	3.0E-07	3.8E-07	3.3E-07	3.5E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.
DATE OF ISSUE-05-13-75

82Sr

(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
STRONTIUM-82 HALF-LIFE 600. HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY		
			R MARROW	CORT BONE TRA BONE							
ADRENALS	2.6E-17	7.7E-10	1.4E-08	9.6E-09	2.5E-09	2.7E-09	2.3E-23	3.0E-20	4.6E-07		
BLADDER WALL	4.6E-10	3.3E-18	2.9E-12	7.5E-13	5.0E-09	2.4E-18	1.4E-10	2.0E-29	4.0E-07		
BONE (TOTAL)	6.5E-10	9.0E-10	1.0E-06	3.9E-06	6.3E-08	3.7E-09	2.0E-12	4.5E-11	3.7E-07		
GI (STOM WALL)	2.4E-14	5.0E-07	3.5E-09	3.4E-09	6.5E-09	2.1E-08	4.1E-20	4.9E-20	4.1E-07		
GI (SI)	2.9E-07	1.0E-12	1.2E-08	3.6E-09	1.5E-09	5.2E-12	1.8E-16	1.0E-39	4.2E-07		
GI (ULI WALL)	8.9E-07	1.6E-12	1.6E-08	5.0E-09	3.0E-09	3.5E-12	3.0E-16	2.1E-39	4.3E-07		
GI (ILI WALL)	1.1E-06	9.9E-15	3.6E-08	1.5E-08	1.4E-09	1.1E-13	3.9E-11	1.9E-42	3.9E-07		
KIDNEYS	2.2E-14	5.7E-10	5.9E-09	7.1E-09	4.3E-09	1.7E-07	9.8E-21	4.3E-22	4.1E-07		
LIVER	6.5E-15	3.7E-09	2.0E-09	2.9E-09	1.1E-09	6.3E-14	1.0E-20	1.3E-19	4.1E-07		
LUNGS	1.1E-19	7.8E-11	3.7E-09	4.0E-09	1.9E-09	1.5E-08	5.1E-41	3.9E-13	4.0E-07		
MARROW (RED)	2.8E-09	1.9E-09	1.2E-05	1.6E-06	5.7E-08	3.8E-09	7.7E-11	6.7E-11	4.5E-07		
OTH TISS (MUSC)	1.4E-07	9.6E-08	1.7E-08	1.4E-08	9.5E-08	5.3E-08	9.3E-09	1.2E-07	4.1E-07		
OVARIES	2.3E-03	3.3E-16	2.1E-09	5.1E-10	4.1E-13	8.7E-16	0.0	5.3E-28	5.6E-07		
PANCREAS	3.3E-16	3.2E-04	1.1E-09	9.2E-09	3.3E-10	5.5E-07	5.4E-22	2.3E-20	4.2E-07		
SKIN	4.0E-13	1.7E-10	1.6E-08	1.7E-08	6.7E-06	1.9E-10	1.2E-07	1.2E-08	3.4E-07		
SPLEEN	8.5E-16	5.7E-07	3.7E-09	1.5E-08	3.9E-09	1.5E-04	5.0E-22	1.1E-20	4.0E-07		
TESTES	0.0	5.3E-22	5.9E-11	6.7E-13	7.7E-08	5.0E-22	6.8E-04	5.6E-33	4.0E-07		
THYROID	5.2E-28	2.3E-20	2.5E-09	3.1E-09	3.0E-08	1.0E-20	5.6E-33	1.2E-03	4.2E-07		
UTERUS (NONGRVD)	4.4E-08	1.9E-16	1.7E-11	2.7E-12	1.2E-09	1.0E-16	0.0	1.3E-28	4.1E-07		
TOTAL BODY	4.1E-07	4.1E-07	4.1E-07	4.1E-07	3.3E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07		

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S, ABSORBED DOSE (RAD) PER 1 UCI-H
OF STRONTIUM-82 (HALF-LIFE 600. HOURS) AND 1 UCI-H OF RUBIDIUM-82 (HALF-LIFE 2.17E-02 HOURS)

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	2.0E-01	1.8E-06	1.7E-05	9.8E-06	8.1E-06	3.9E-06	3.9E-05	1.9E-05	1.2E-05
BLADDER WALL	9.5E-07	7.6E-03	3.7E-06	2.6E-05	1.5E-05	4.4E-05	2.7E-06	6.0E-07	1.4E-05
BONE (TOTAL)	1.1E-05	4.6E-06	4.8E-06	6.2E-06	5.7E-06	8.2E-06	5.8E-06	7.9E-06	8.8E-06
GI (STOM WALL)	2.3E-05	2.7E-06	6.0E-03	2.7E-05	2.9E-05	1.4E-05	1.5E-05	1.5E-05	1.1E-05
GI (SI)	7.6E-06	2.1E-05	2.1E-05	3.7E-03	1.3E-04	7.1E-05	1.3E-05	2.2E-06	1.2E-05
GI (ULI WALL)	8.3E-06	1.9E-05	2.6E-05	1.9E-04	6.7E-03	3.4E-05	2.0E-05	3.1E-06	1.3E-05
GI (LLI WALL)	2.8E-06	5.6E-05	1.0E-05	5.4E-05	2.4E-05	1.1E-02	2.6E-06	6.3E-07	1.3E-05
KIDNEYS	9.1E-05	3.1E-06	2.6E-05	2.5E-05	2.2E-05	6.6E-06	3.0E-05	8.3E-06	1.1E-05
LIVER	3.9E-05	2.3E-06	1.6E-05	1.4E-05	1.9E-05	2.8E-06	1.8E-03	1.9E-05	8.9E-06
LUNGS	1.8E-05	4.1E-07	1.5E-05	2.7E-06	2.7E-06	8.5E-07	1.9E-05	2.9E-03	1.1E-05
MARROW (RED)	1.9E-05	9.9E-06	8.2E-06	2.0E-05	1.7E-05	2.5E-05	2.0E-05	1.0E-05	1.1E-05
OTH TISS (MUSC)	1.2E-05	1.4E-05	1.1E-05	1.2E-05	1.2E-05	1.3E-05	1.1E-05	1.1E-05	1.1E-04
OVARIES	4.3E-06	4.9E-05	4.5E-06	7.0E-05	9.8E-05	1.3E-04	9.4E-06	1.2E-06	1.6E-05
PANCREAS	6.6E-05	2.1E-06	1.4E-04	1.6E-05	1.4E-05	5.9E-06	5.2E-05	2.2E-05	1.4E-05
SKIN	5.4E-06	5.2E-06	4.7E-06	4.2E-06	4.4E-06	4.7E-06	4.8E-06	5.4E-06	7.4E-06
SPLEEN	5.1E-05	1.8E-06	7.5E-05	1.2E-05	9.8E-06	7.5E-06	6.6E-05	1.7E-05	1.2E-05
TESTES	5.8E-07	4.0E-05	2.8E-07	3.0E-06	4.1E-06	1.6E-05	1.2E-06	2.0E-07	9.8E-06
THYROID	1.6E-06	8.0E-08	1.2E-06	3.3E-07	3.5E-07	1.5E-07	7.7E-07	9.7E-06	1.1E-05
UTERUS (NONGRVD)	3.0E-06	1.2E-04	7.1E-06	6.8E-05	3.5E-05	4.4E-05	6.6E-06	7.8E-07	1.6E-05
TOTAL BODY	5.3E-05	2.0E-05	2.6E-05	4.8E-05	3.4E-05	3.9E-05	5.3E-05	5.2E-05	5.1E-05

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82Sr+82Rb

S, ABSORBED DOSE (RAD) PER 1 UCI-H (CONTINUED)
 OF STRONTIUM-82 (HALF-LIFE 600. HOURS) AND 1 UCI-H OF RUBIDIUM-82 (HALF-LIFE 2.17E-02 HOURS)

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	TRA	BONE	BONE		
ADRENALS	4.8E-06	6.6E-05	1.4E-05	1.4E-05	5.3E-06	4.8E-05	5.8E-07	1.6E-06	4.8E-05	5.8E-07	1.6E-06	5.8E-05
BLADDER WALL	5.3E-05	1.5E-06	5.6E-06	5.1E-06	5.1E-06	1.2E-06	4.0E-05	8.1E-08	1.2E-06	4.0E-05	8.1E-08	5.5E-05
BONE (TOTAL)	7.3E-06	7.3E-06	1.8E-04	3.5E-04	6.8E-06	6.1E-06	5.2E-06	6.0E-06	6.1E-06	5.2E-06	6.0E-06	5.2E-05
GI (STOM WALL)	6.6E-06	1.3E-04	8.0E-06	4.6E-06	5.2E-06	7.7E-05	9.2E-07	1.0E-06	7.7E-05	9.2E-07	1.0E-06	5.4E-05
GI (SI)	9.3E-05	1.4E-05	2.1E-05	6.4E-06	4.4E-06	1.1E-05	4.3E-06	8.0E-08	1.1E-05	4.3E-06	8.0E-08	5.6E-05
GI (ULI WALL)	8.8E-05	1.7E-05	1.6E-05	5.6E-06	4.7E-06	1.1E-05	2.6E-06	1.1E-07	1.1E-05	2.6E-06	1.1E-07	5.5E-05
GI (LLI WALL)	1.1E-04	4.3E-06	2.4E-05	7.6E-06	4.8E-06	5.5E-06	2.2E-05	1.3E-07	5.5E-06	2.2E-05	1.3E-07	5.6E-05
KIDNEYS	9.0E-06	4.9E-05	1.9E-05	7.4E-06	6.0E-06	6.7E-05	8.4E-07	4.4E-07	6.7E-05	8.4E-07	4.4E-07	5.4E-05
LIVER	4.9E-06	3.2E-05	8.1E-06	5.6E-06	5.4E-06	8.5E-06	4.5E-07	1.3E-06	8.5E-06	4.5E-07	1.3E-06	5.4E-05
LUNGS	9.3E-07	1.9E-05	9.5E-06	7.8E-06	5.4E-06	1.7E-05	1.2E-07	8.5E-06	1.7E-05	1.2E-07	8.5E-06	5.2E-05
MARROW (RED)	2.4E-05	1.4E-05	1.3E-03	7.2E-05	6.3E-06	9.0E-06	4.2E-06	6.6E-06	9.0E-06	4.2E-06	6.6E-06	5.3E-05
OTH TISS (MUSC)	1.6E-05	1.4E-05	1.0E-05	8.8E-06	7.4E-06	1.2E-05	9.8E-06	1.1E-05	1.2E-05	9.8E-06	1.1E-05	5.1E-05
OVARIES	2.6E-01	3.4E-06	2.8E-05	8.5E-06	2.6E-06	8.2E-06	0.0	1.5E-07	8.2E-06	0.0	1.5E-07	5.3E-05
PANCREAS	4.6E-06	3.0E-02	1.3E-05	7.2E-06	4.6E-06	1.5E-04	3.4E-07	5.5E-07	1.5E-04	3.4E-07	5.5E-07	5.4E-05
SKIN	4.2E-06	4.1E-06	6.0E-06	6.9E-06	1.1E-03	5.0E-06	1.3E-05	6.9E-06	5.0E-06	1.3E-05	6.9E-06	4.7E-05
SPLEEN	5.5E-06	1.5E-04	6.5E-06	6.7E-06	5.3E-06	1.7E-02	1.0E-06	1.1E-06	1.7E-02	1.0E-06	1.1E-06	5.4E-05
TESTES	0.0	5.4E-07	3.4E-06	4.6E-06	6.7E-06	7.7E-07	8.3E-02	3.0E-08	7.7E-07	8.3E-02	3.0E-08	5.5E-05
THYROID	1.5E-07	1.4E-06	7.2E-06	8.5E-06	6.6E-06	1.2E-06	3.0E-08	1.4E-01	1.2E-06	3.0E-08	1.4E-01	5.2E-05
UTERUS (NONGRVD)	1.4E-04	5.0E-06	1.5E-05	4.8E-06	4.6E-06	3.8E-06	0.0	1.4E-07	3.8E-06	0.0	1.4E-07	5.4E-05
TOTAL BODY	5.6E-05	5.6E-05	5.3E-05	5.1E-05	4.7E-05	5.3E-05	5.1E-05	5.0E-05	5.3E-05	5.1E-05	5.0E-05	5.1E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
STRONTIUM-85 HALF-LIFE 1.56E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	3.8E-03	8.7E-07	7.9E-06	4.6E-06	3.8E-06	1.9E-06	4.7E-05	1.8E-05	9.1E-06	5.9E-06
BLADDER WALL	4.2E-07	3.5E-04	1.7E-06	1.3E-05	7.1E-06	2.1E-05	1.4E-06	1.3E-06	2.8E-07	6.7E-06
BONE (TOTAL)	5.1E-06	2.2E-06	2.3E-06	2.9E-06	2.7E-06	3.9E-06	3.7E-06	2.8E-06	3.8E-06	4.2E-06
GI (STOM WALL)	1.1E-05	1.2E-06	2.5E-04	1.3E-05	1.4E-05	6.7E-06	1.3E-05	7.1E-06	6.9E-06	5.3E-06
GI (SI)	3.6E-06	9.7E-06	9.8E-06	1.5E-04	6.1E-05	3.4E-05	1.0E-05	5.9E-06	1.0E-06	5.8E-06
GI (ULI WALL)	3.9E-06	8.8E-06	1.2E-05	9.3E-05	2.2E-04	1.6E-05	1.1E-05	9.6E-06	1.4E-06	6.2E-06
GI (LLI WALL)	1.3E-06	2.6E-05	4.7E-06	2.6E-05	1.1E-05	2.8E-04	3.3E-06	1.2E-06	2.9E-07	6.4E-06
KIDNEYS	4.3E-05	1.4E-06	1.2E-05	1.2E-05	1.0E-05	3.1E-06	3.9E-04	1.4E-05	3.9E-06	5.4E-06
LIVER	1.8E-05	1.1E-06	7.6E-06	6.7E-06	9.2E-06	1.3E-06	1.5E-05	1.2E-04	8.9E-06	4.2E-06
LUNGS	8.7E-06	1.8E-07	6.9E-06	1.3E-06	1.3E-06	3.9E-07	3.6E-06	9.0E-06	8.7E-05	5.1E-06
MARROW (RED)	9.2E-06	4.7E-06	3.9E-06	9.3E-06	8.1E-06	1.2E-05	9.3E-06	4.0E-06	4.7E-06	5.2E-06
OTH TISS (MUSC)	5.9E-06	6.7E-06	5.3E-06	5.8E-06	5.5E-06	6.4E-06	5.4E-06	4.2E-06	5.1E-06	6.7E-06
OVARIES	2.0E-06	2.3E-05	1.9E-06	3.3E-05	4.8E-05	6.0E-05	4.3E-06	7.7E-07	5.7E-07	7.6E-06
PANCREAS	3.1E-05	9.7E-07	6.5E-05	7.8E-06	6.7E-06	2.8E-06	2.4E-05	1.8E-05	1.0E-05	6.8E-06
SKIN	2.6E-06	2.4E-06	2.2E-06	2.0E-06	2.1E-06	2.2E-06	2.5E-06	2.3E-06	2.5E-06	3.5E-06
SPLEEN	2.4E-05	8.5E-07	3.5E-05	5.9E-06	4.6E-06	3.5E-06	3.1E-05	3.7E-06	8.0E-06	5.6E-06
TESTES	2.7E-07	1.9E-05	1.0E-07	1.4E-06	1.9E-06	7.7E-06	5.6E-07	4.4E-07	9.3E-08	4.6E-06
THYROID	7.4E-07	3.6E-08	5.7E-07	1.5E-07	1.6E-07	6.9E-08	3.6E-07	6.9E-07	4.5E-06	5.3E-06
UTERUS (NONGRVD)	1.4E-06	5.6E-05	3.4E-06	3.2E-05	1.7E-05	2.1E-05	3.1E-06	1.6E-06	3.6E-07	7.4E-06
TOTAL BODY	6.8E-06	7.3E-06	7.0E-06	7.8E-06	7.5E-06	7.5E-06	6.9E-06	6.9E-06	6.0E-06	5.9E-06

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85Sr

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 STRONTIUM-85 HALF-LIFE 1.56E 03 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES		PANCREAS		SKELETON		SKIN	SPLEEN	TESTES	THYROID	
	R	MARROW	CORT	BONE	TRA	BONE					
ADRENALS	2.3E-06	3.2E-05	6.4E-06	6.4E-06	2.5E-06	2.5E-06	2.3E-05	2.7E-07	7.4E-07	9.1E-06	
BLADDER WALL	2.5E-05	7.3E-07	2.6E-06	2.5E-06	2.4E-06	2.4E-06	5.2E-07	1.9E-05	3.7E-08	7.3E-06	
BONE (TOTAL)	3.4E-06	3.4E-06	1.0E-05	1.9E-05	3.2E-06	3.2E-06	2.9E-06	2.5E-06	2.8E-06	6.1E-06	
GI (STOM WALL)	3.1E-06	6.4E-05	3.7E-06	2.2E-06	2.4E-06	2.4E-06	3.7E-05	4.4E-07	4.8E-07	7.2E-06	
GI (SI)	4.4E-05	6.6E-06	1.0E-05	3.0E-06	2.1E-06	2.1E-06	5.2E-06	2.0E-06	3.0E-08	7.9E-06	
GI (ULI WALL)	4.2E-05	8.1E-06	7.7E-06	2.6E-06	2.2E-06	2.2E-06	5.2E-06	1.2E-06	4.3E-08	7.9E-06	
GI (LLI WALL)	5.4E-05	2.0E-06	1.2E-05	3.5E-06	2.3E-06	2.3E-06	2.6E-06	1.1E-05	5.8E-08	7.9E-06	
KIDNEYS	4.3E-06	2.3E-05	8.9E-06	3.4E-06	2.8E-06	2.8E-06	3.2E-05	3.9E-07	1.9E-07	7.1E-06	
LIVER	2.3E-06	1.5E-05	3.8E-06	2.7E-06	2.5E-06	2.5E-06	4.0E-06	2.0E-07	6.0E-07	7.0E-06	
LUNGS	4.3E-07	8.9E-06	4.5E-06	3.7E-06	2.6E-06	2.6E-06	8.2E-06	5.5E-08	4.0E-06	6.3E-06	
MARROW (RED)	1.1E-05	6.5E-06	4.4E-05	1.3E-05	3.0E-06	3.0E-06	4.2E-06	2.0E-06	3.1E-06	6.7E-06	
OTH TISS (MUSC)	7.6E-06	6.8E-06	4.9E-06	4.2E-06	3.5E-06	3.5E-06	5.6E-06	4.6E-06	5.3E-06	5.9E-06	
OVARIES	5.9E-03	1.5E-06	1.3E-05	4.1E-06	1.1E-06	1.1E-06	4.0E-06	0.0	6.9E-08	7.0E-06	
PANCREAS	2.1E-06	1.2E-03	6.4E-06	3.4E-06	2.2E-06	2.2E-06	7.3E-05	1.5E-07	2.5E-07	7.0E-06	
SKIN	2.0E-06	1.9E-06	2.8E-06	3.3E-06	1.8E-05	1.8E-05	2.4E-06	6.1E-06	3.2E-06	3.8E-06	
SPLEEN	2.6E-06	7.2E-05	3.0E-06	3.2E-06	2.5E-06	2.5E-06	6.9E-04	4.9E-07	4.9E-07	7.2E-06	
TESTES	0.0	2.4E-07	1.6E-06	2.2E-06	3.2E-06	3.2E-06	3.6E-07	2.3E-03	1.3E-08	7.6E-06	
THYROID	6.9E-08	6.9E-07	3.4E-06	4.1E-06	3.2E-06	3.2E-06	5.6E-07	1.3E-08	3.4E-03	5.9E-06	
UTERUS (NONGRVD)	6.7E-05	2.4E-06	7.1E-06	2.2E-06	2.1E-06	2.1E-06	1.8E-06	0.0	6.5E-08	7.1E-06	
TOTAL BODY	8.0E-06	7.9E-06	6.5E-06	5.9E-06	3.9E-06	3.9E-06	6.9E-06	5.9E-06	5.4E-06	5.9E-06	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCl-H)
 STRONTIUM-87M HALF-LIFE 2.81 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI	ULI					LLI
ADRENALS	1.1E-02	5.2E-07	5.3E-06	3.3E-06	2.3E-06	1.2E-06	2.8E-05	1.2E-05	5.9E-06	3.6E-06
BLADDER WALL	2.7E-07	5.1E-04	8.9E-07	7.5E-06	4.8E-06	1.4E-05	8.6E-07	6.6E-07	1.6E-07	4.3E-06
BONE (TOTAL)	3.5E-06	1.6E-06	1.6E-06	2.1E-06	1.9E-06	2.7E-06	2.5E-06	1.9E-06	2.5E-06	2.6E-06
GI (STOM WALL)	7.1E-06	7.4E-07	3.9E-04	8.4E-06	8.8E-06	4.3E-06	8.1E-06	4.6E-06	4.4E-06	3.4E-06
GI (SI)	2.2E-06	6.5E-06	6.3E-06	2.4E-04	3.9E-05	2.2E-05	6.7E-06	3.9E-06	6.0E-07	3.7E-06
GI (ULI WALL)	2.4E-06	5.7E-06	8.1E-06	5.6E-05	4.1E-04	1.0E-05	6.9E-06	6.1E-06	7.9E-07	3.9E-06
GI (LLI WALL)	7.4E-07	1.7E-05	3.1E-06	1.7E-05	7.2E-06	6.2E-04	2.1E-06	7.0E-07	2.2E-07	4.1E-06
KIDNEYS	2.8E-05	8.3E-07	8.1E-06	7.5E-06	6.6E-06	2.1E-06	6.1E-04	9.1E-06	2.4E-06	3.4E-06
LIVER	1.2E-05	6.2E-07	4.8E-06	4.4E-06	6.0E-06	7.8E-07	9.4E-06	1.4E-04	5.8E-06	2.6E-06
LUNGS	5.7E-06	9.5E-08	4.3E-06	7.3E-07	7.6E-07	2.3E-07	2.2E-06	5.8E-06	1.7E-04	3.2E-06
MARROW (RED)	6.3E-06	3.4E-06	2.8E-06	6.7E-06	5.8E-06	8.1E-06	6.4E-06	2.8E-06	3.2E-06	3.5E-06
OTH TISS (MUSC)	3.6E-06	4.3E-06	3.4E-06	3.7E-06	3.5E-06	4.1E-06	3.4E-06	2.6E-06	3.2E-06	8.4E-06
OVARIES	1.4E-06	1.6E-05	1.1E-06	2.3E-05	3.0E-05	4.2E-05	2.8E-06	7.4E-07	3.4E-07	4.8E-06
PANCREAS	2.0E-05	6.7E-07	4.2E-05	5.0E-06	4.9E-06	1.8E-06	1.6E-05	1.1E-05	6.5E-06	4.3E-06
SKIN	1.5E-06	1.5E-06	1.3E-06	1.2E-06	1.2E-06	1.4E-06	1.5E-06	1.4E-06	1.6E-06	2.1E-06
SPLEEN	1.6E-05	4.7E-07	2.3E-05	3.8E-06	3.1E-06	2.1E-06	2.0E-05	2.3E-06	5.3E-06	3.5E-06
TESTES	1.5E-07	1.2E-05	9.7E-08	8.6E-07	1.1E-06	4.9E-06	3.3E-07	2.5E-07	4.8E-08	2.9E-06
THYROID	4.5E-07	1.8E-08	3.4E-07	8.1E-08	8.7E-08	3.5E-08	2.0E-07	4.8E-07	2.6E-06	3.3E-06
UTERUS (NONGRVD)	2.8E-06	3.6E-05	2.1E-06	2.1E-05	1.1E-05	1.5E-05	2.2E-06	1.0E-06	2.3E-07	5.0E-06
TOTAL BODY	6.0E-06	4.7E-06	4.8E-06	6.3E-06	5.5E-06	5.7E-06	6.0E-06	6.0E-06	5.4E-06	5.3E-06

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87mSr

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 STRONTIUM-87M HALF-LIFE 2.81 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY	
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	1.3E-06	2.0E-05	5.1E-06	3.7E-06	3.7E-06	1.8E-06	1.5E-05	1.5E-07	4.5E-07	7.1E-06	
BLADDER WALL	1.6E-05	4.4E-07	1.7E-06	1.4E-06	1.4E-06	1.4E-06	3.6E-07	1.2E-05	1.8E-08	6.2E-06	
BONE (TOTAL)	2.4E-06	2.4E-06	1.3E-05	3.5E-05	2.5E-05	2.0E-06	2.0E-06	1.7E-06	1.9E-06	5.7E-06	
GI (STOM WALL)	2.0E-06	4.2E-05	2.5E-06	1.4E-06	1.4E-06	1.5E-06	2.3E-05	2.2E-07	2.3E-07	6.3E-06	
GI (SI)	2.8E-05	4.3E-06	6.4E-06	1.9E-06	1.9E-06	1.3E-06	3.4E-06	1.2E-06	2.6E-08	6.7E-06	
GI (ULI WALL)	2.7E-05	5.2E-06	5.0E-06	1.7E-06	1.7E-06	1.3E-06	3.2E-06	8.2E-07	2.6E-08	6.5E-06	
GI (LLI WALL)	3.4E-05	1.3E-06	7.2E-06	2.4E-06	2.4E-06	1.4E-06	1.6E-06	6.8E-06	2.9E-08	6.4E-06	
KIDNEYS	2.6E-06	1.5E-05	5.6E-06	2.2E-06	2.2E-06	1.7E-06	2.1E-05	2.0E-07	1.1E-07	6.1E-06	
LIVER	1.5E-06	1.0E-05	2.4E-06	1.7E-06	1.7E-06	1.5E-06	2.5E-06	1.1E-07	3.5E-07	6.0E-06	
LUNGS	2.3E-07	5.8E-06	2.9E-06	2.4E-06	2.4E-06	1.6E-06	5.3E-06	3.3E-08	2.5E-06	5.5E-06	
MARROW (RED)	8.3E-06	4.6E-06	8.3E-05	8.7E-06	4.1E-05	1.9E-06	3.0E-06	1.4E-06	2.1E-06	6.1E-06	
OTH TISS (MUSC)	4.8E-06	4.3E-06	3.1E-06	2.6E-06	2.6E-06	2.1E-06	3.5E-06	2.9E-06	3.3E-06	5.3E-06	
OVARIES	1.4E-02	8.5E-07	7.4E-06	2.3E-06	2.3E-06	9.0E-07	2.1E-06	0.0	3.5E-08	6.2E-06	
PANCREAS	1.3E-06	1.9E-03	4.0E-06	2.3E-06	2.3E-06	1.4E-06	4.6E-05	1.3E-07	2.0E-07	6.5E-06	
SKIN	1.2E-06	1.2E-06	1.7E-06	2.0E-06	2.0E-06	5.6E-05	1.4E-06	3.7E-06	2.0E-06	4.0E-06	
SPLEEN	1.5E-06	4.6E-05	2.0E-06	1.9E-06	1.9E-06	1.5E-06	1.1E-03	2.2E-07	3.0E-07	6.2E-06	
TESTES	0.0	1.6E-07	9.2E-07	1.4E-06	1.4E-06	2.2E-06	2.1E-07	4.7E-03	5.9E-09	5.7E-06	
THYROID	3.5E-08	4.2E-07	2.0E-06	2.5E-06	2.5E-06	2.0E-06	3.3E-07	5.9E-09	7.9E-03	5.2E-06	
UTERUS (NONGRVD)	4.6E-05	1.5E-06	5.0E-06	1.4E-06	1.4E-06	1.2E-06	1.1E-06	0.0	3.3E-08	6.5E-06	
TOTAL BODY	6.8E-06	6.7E-06	5.8E-06	5.4E-06	5.4E-06	4.0E-06	6.0E-06	5.3E-06	5.0E-06	5.4E-06	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
STRONTIUM-90 HALF-LIFE 2.50E 05 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	3.0E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BLADDER WALL	0.0	1.0E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BONE (TOTAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GI (STOM WALL)	0.0	0.0	8.4E-04	0.0	0.0	0.0	0.0	0.0	0.0
GI (SI)	0.0	0.0	0.0	5.2E-04	0.0	0.0	0.0	0.0	0.0
GI (ULI WALL)	0.0	0.0	0.0	0.0	9.5E-04	0.0	0.0	0.0	0.0
GI (LLI WALL)	0.0	0.0	0.0	0.0	0.0	1.5E-03	0.0	0.0	0.0
KIDNEYS	0.0	0.0	0.0	0.0	0.0	1.3E-03	0.0	0.0	0.0
LIVER	0.0	0.0	0.0	0.0	0.0	0.0	2.3E-04	0.0	0.0
LUNGS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2E-04	0.0
MARROW (RED)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTH TISS (MUSC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5E-05
OVARIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PANCREAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SKIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPLEEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TESTES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THYROID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UTERUS (NONGRVD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL BODY	6.0E-06	6.7E-07	1.8E-06	4.8E-06	2.9E-06	3.5E-06	6.0E-06	6.0E-06	6.0E-06

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90Sr

(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 STRONTIUM-90 HALF-LIFE 2.50E 05 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID				
			R MARROW	CORT BONE	TRA BONE							
ADRENALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0E-06
BLADDER WALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0E-06
BONE (TOTAL)	0.0	0.0	1.9E-05	8.4E-05	5.5E-05	0.0	0.0	0.0	0.0	0.0	0.0	6.0E-06
GI (STOM WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0E-06
GI (SI)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0E-06
GI (ULI WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0E-06
GI (LLI WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0E-06
KIDNEYS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0E-06
LIVER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0E-06
LUNGS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0E-06
MARROW (RED)	0.0	0.0	2.1E-04	1.3E-06	9.7E-05	0.0	0.0	0.0	0.0	0.0	0.0	6.0E-06
OTH TISS (MUSC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0E-06
OVARIES	3.8E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0E-06
PANCREAS	0.0	4.2E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0E-06
SKIN	0.0	0.0	0.0	0.0	0.0	1.6E-04	0.0	0.0	0.0	0.0	0.0	6.0E-06
SPLEEN	0.0	0.0	0.0	0.0	0.0	0.0	2.3E-03	0.0	0.0	0.0	0.0	6.0E-06
TESTES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2E-02	0.0	0.0	0.0	6.0E-06
THYROID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1E-02	0.0	0.0	6.0E-06
UTERUS (NONGRVD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0E-06
TOTAL BODY	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 YTTRIUM-87 HALF-LIFE 80.0 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	4.0E-03	7.8E-07	7.3E-06	4.3E-06	3.4E-06	1.7E-06	4.3E-05	1.7E-05	8.4E-06	5.4E-06
BLADDER WALL	3.7E-07	3.4E-04	1.5E-06	1.2E-05	6.5E-06	1.9E-05	1.3E-06	1.2E-06	2.5E-07	6.1E-06
BONE (TOTAL)	4.7E-06	2.0E-06	2.1E-06	2.7E-06	2.5E-06	3.6E-06	3.4E-06	2.5E-06	3.5E-06	3.8E-06
GI (STOM WALL)	1.0E-05	1.1E-06	2.4E-04	1.2E-05	1.2E-05	6.2E-06	1.1E-05	6.5E-06	6.3E-06	4.8E-06
GI (SI)	3.3E-06	8.9E-06	9.0E-06	1.5E-04	5.7E-05	3.1E-05	9.4E-06	5.4E-06	9.3E-07	5.3E-06
GI (ULI WALL)	3.5E-06	8.1E-06	1.1E-05	8.6E-05	2.2E-04	1.5E-05	9.8E-06	8.8E-06	1.3E-06	5.6E-06
GI (LLI WALL)	1.2E-06	2.4E-05	4.3E-06	2.4E-05	1.0E-05	2.9E-04	3.0E-06	1.1E-06	2.7E-07	5.8E-06
KIDNEYS	4.0E-05	1.3E-06	1.1E-05	1.1E-05	9.2E-06	2.8E-06	3.8E-04	1.3E-05	3.6E-06	5.0E-06
LIVER	1.7E-05	9.6E-07	7.0E-06	6.2E-06	8.4E-06	1.2E-06	1.4E-05	1.1E-04	8.2E-06	3.8E-06
LUNGS	8.0E-06	1.6E-07	6.3E-06	1.1E-06	1.1E-06	3.4E-07	3.2E-06	8.2E-06	8.8E-05	4.7E-06
MARROW (RED)	8.5E-06	4.4E-06	3.6E-06	8.7E-06	7.5E-06	1.1E-05	8.6E-06	3.7E-06	4.4E-06	4.8E-06
OTH TISS (MUSC)	5.4E-06	6.1E-06	4.8E-06	5.3E-06	5.1E-06	5.8E-06	5.0E-06	3.8E-06	4.7E-06	6.4E-06
OVARIES	1.9E-06	2.2E-05	1.7E-06	3.0E-05	4.4E-05	5.6E-05	3.9E-06	7.1E-07	5.2E-07	6.9E-06
PANCREAS	2.9E-05	8.9E-07	6.0E-05	7.1E-06	6.2E-06	2.5E-06	2.2E-05	1.6E-05	9.5E-06	6.3E-06
SKIN	2.3E-06	2.2E-06	2.0E-06	1.8E-06	1.9E-06	2.0E-06	2.3E-06	2.0E-06	2.3E-06	3.2E-06
SPLEEN	2.2E-05	7.6E-07	3.2E-05	5.4E-06	4.2E-06	3.2E-06	2.9E-05	3.4E-06	7.3E-06	5.1E-06
TESTES	2.4E-07	1.7E-05	8.9E-08	1.2E-06	1.7E-06	7.1E-06	5.1E-07	3.8E-07	8.1E-08	4.2E-06
THYROID	6.7E-07	3.1E-08	5.2E-07	1.3E-07	1.4E-07	6.0E-08	3.2E-07	6.4E-07	4.1E-06	4.9E-06
UTERUS (NONGRVD)	1.7E-06	5.1E-05	3.0E-06	3.0E-05	1.5E-05	1.9E-05	2.9E-06	1.5E-06	3.3E-07	6.8E-06
TOTAL BODY	6.4E-06	6.7E-06	6.4E-06	7.2E-06	7.0E-06	7.0E-06	6.4E-06	6.4E-06	5.6E-06	5.5E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 YTTRIUM-87 HALF-LIFE 80.0 HOURS

SOURCE ORGANS

TARGET ORGANS	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY
	R MARROW CORT BONE TRA BONE							
ADRENALS	2.0E-06	2.9E-05	6.0E-06	5.7E-06	5.7E-06	2.4E-07	6.7E-07	8.5E-06
BLADDER WALL	2.3E-05	6.7E-07	2.3E-06	2.2E-06	4.6E-07	1.7E-05	3.2E-08	6.8E-06
BONE (TOTAL)	3.2E-06	3.2E-06	9.8E-06	1.9E-05	2.7E-06	2.3E-06	2.6E-06	5.8E-06
GI (STOM WALL)	2.9E-06	5.9E-05	3.4E-06	2.0E-06	3.4E-05	3.9E-07	4.2E-07	6.7E-06
GI (SI)	4.1E-05	6.0E-06	9.2E-06	2.7E-06	4.7E-06	1.8E-06	2.6E-08	7.4E-06
GI (ULI WALL)	3.9E-05	7.4E-06	7.1E-06	2.4E-06	4.7E-06	1.1E-06	3.6E-08	7.3E-06
GI (LLI WALL)	5.0E-05	1.8E-06	1.1E-05	3.3E-06	2.4E-06	9.7E-06	5.0E-08	7.3E-06
KIDNEYS	3.9E-06	2.1E-05	8.1E-06	3.1E-06	2.9E-05	3.4E-07	1.7E-07	6.6E-06
LIVER	2.1E-06	1.4E-05	3.5E-06	2.4E-06	3.7E-06	1.7E-07	5.4E-07	6.6E-06
LUNGS	3.8E-07	8.2E-06	4.1E-06	3.4E-06	7.5E-06	4.9E-08	3.6E-06	5.9E-06
MARROW (RED)	1.1E-05	6.0E-06	4.4E-05	1.6E-05	3.9E-06	1.8E-06	2.9E-06	6.3E-06
OTH TISS (MUSC)	6.9E-06	6.3E-06	4.5E-06	3.8E-06	5.1E-06	4.2E-06	4.9E-06	5.5E-06
OVARIES	6.1E-03	1.3E-06	1.2E-05	3.6E-06	1.1E-06	0.0	6.0E-08	6.6E-06
PANCREAS	1.9E-06	1.2E-03	5.9E-06	3.1E-06	6.7E-05	1.3E-07	2.4E-07	6.6E-06
SKIN	1.8E-06	1.7E-06	2.6E-06	3.0E-06	2.1E-06	5.6E-06	2.9E-06	3.6E-06
SPLEEN	2.4E-06	6.6E-05	2.8E-06	2.9E-06	6.7E-04	4.3E-07	4.4E-07	6.7E-06
TESTES	0.0	2.2E-07	1.5E-06	2.0E-06	3.2E-07	2.3E-03	1.1E-08	6.9E-06
THYROID	6.0E-08	6.4E-07	3.1E-06	3.8E-06	5.0E-07	1.1E-08	3.5E-03	5.5E-06
UTERUS (NONGRVD)	6.2E-05	2.2E-06	6.6E-06	2.0E-06	1.6E-06	0.0	5.7E-08	6.6E-06
TOTAL BODY	7.5E-06	7.3E-06	6.1E-06	5.5E-06	6.4E-06	5.5E-06	5.1E-06	5.5E-06

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 YTTRIUM-90 HALF-LIFE 64.0 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	1.4E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
BLADDER WALL	0.0	5.0E-03	0.0	0.0	0.0	0.0	0.0	0.0	
BONE (TOTAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
GI (STOM WALL)	0.0	0.0	4.0E-03	0.0	0.0	0.0	0.0	0.0	
GI (SI)	0.0	0.0	0.0	2.5E-03	0.0	0.0	0.0	0.0	
GI (ULI WALL)	0.0	0.0	0.0	0.0	4.5E-03	0.0	0.0	0.0	
GI (LLI WALL)	0.0	0.0	0.0	0.0	0.0	7.4E-03	0.0	0.0	
KIDNEYS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
LIVER	0.0	0.0	0.0	0.0	0.0	6.4E-03	0.0	0.0	
LUNGS	0.0	0.0	0.0	0.0	0.0	0.0	1.1E-03	0.0	
							0.0	2.0E-03	
MARROW (RED)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
OTH TISS (MUSC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1E-05	
OVARIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PANCREAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SKIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SPLEEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TESTES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
THYROID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
UTERUS (NONGRVD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL BODY	2.8E-05	3.2E-06	8.5E-06	2.3E-05	1.4E-05	1.7E-05	2.8E-05	2.8E-05	

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(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 YTTRIUM-90 HALF-LIFE 64.0 HOURS

SOURCE ORGANS

TARGET ORGANS	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY
			R MARROW	CORT	BONE	TRA	BONE	
ADRENALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8E-05
BLADDER WALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8E-05
BONE (TOTAL)	0.0	0.0	1.1E-04	4.0E-04	2.3E-04	0.0	0.0	2.8E-05
GI (STOM WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8E-05
GI (SI)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8E-05
GI (ULI WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8E-05
GI (LLI WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8E-05
KIDNEYS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8E-05
LIVER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8E-05
LUNGS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8E-05
MARROW (RED)	0.0	0.0	8.6E-04	3.3E-05	5.7E-04	0.0	0.0	2.8E-05
OTH TISS (MUSC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8E-05
OVARIES	1.8E-01	0.0	0.0	0.0	0.0	0.0	0.0	2.8E-05
PANCREAS	0.0	2.0E-02	0.0	0.0	0.0	0.0	0.0	2.8E-05
SKIN	0.0	0.0	0.0	0.0	7.6E-04	0.0	0.0	2.8E-05
SPLEEN	0.0	0.0	0.0	0.0	0.0	1.1E-02	0.0	2.8E-05
TESTES	0.0	0.0	0.0	0.0	0.0	5.7E-02	0.0	2.8E-05
THYROID	0.0	0.0	0.0	0.0	0.0	0.0	9.9E-02	2.8E-05
UTERUS (NONGRVD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8E-05
TOTAL BODY	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 MOLYBDENUM-99 HALF-LIFE 66.7 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	6.1E-02	2.8E-07	2.7E-06	1.5E-06	1.3E-06	5.8E-07	1.5E-05	5.9E-06	2.9E-06	1.9E-06
BLADDER WALL	2.1E-07	2.2E-03	5.4E-07	3.3E-06	2.5E-06	6.7E-06	5.0E-07	3.0E-07	9.4E-08	2.1E-06
BONE (TOTAL)	1.7E-06	7.4E-07	7.6E-07	1.0E-06	9.1E-07	1.3E-06	1.2E-06	9.3E-07	1.3E-06	1.3E-06
GI (STOM WALL)	3.6E-06	5.0E-07	1.7E-03	4.2E-06	4.4E-06	2.0E-06	4.0E-06	2.3E-06	2.3E-06	1.7E-06
GI (SI)	1.1E-06	3.3E-06	3.1E-06	1.1E-03	2.0E-05	1.1E-05	3.3E-06	1.9E-06	3.5E-07	1.9E-06
GI (ULI WALL)	1.3E-06	2.6E-06	3.9E-06	2.8E-05	2.0E-03	5.0E-06	3.4E-06	3.0E-06	4.6E-07	2.0E-06
GI (LLI WALL)	3.5E-07	8.3E-06	1.6E-06	8.3E-06	3.8E-06	3.2E-03	1.0E-06	3.5E-07	1.1E-07	2.0E-06
KIDNEYS	1.4E-05	4.3E-07	4.0E-06	3.8E-06	3.4E-06	1.1E-06	2.8E-03	4.5E-06	1.2E-06	1.7E-06
LIVER	5.8E-06	3.4E-07	2.4E-06	2.2E-06	3.0E-06	4.3E-07	4.7E-06	5.0E-04	2.9E-06	1.4E-06
LUNGS	2.9E-06	7.3E-08	2.2E-06	4.0E-07	4.4E-07	1.5E-07	1.2E-06	2.9E-06	8.6E-04	1.6E-06
MARROW (RED)	3.1E-06	1.6E-06	1.3E-06	3.2E-06	2.7E-06	4.0E-06	3.1E-06	1.3E-06	1.6E-06	1.7E-06
OTH TISS (MUSC)	1.9E-06	2.1E-06	1.7E-06	1.9E-06	1.8E-06	2.0E-06	1.7E-06	1.4E-06	1.6E-06	3.2E-05
OVARIES	6.7E-07	6.8E-06	1.1E-06	1.2E-05	1.2E-05	2.0E-05	1.6E-06	5.6E-07	1.9E-07	2.4E-06
PANCREAS	1.0E-05	3.4E-07	2.1E-05	2.5E-06	2.4E-06	9.0E-07	8.1E-06	5.4E-06	3.0E-06	2.2E-06
SKIN	8.3E-07	8.0E-07	7.1E-07	6.5E-07	6.6E-07	7.2E-07	8.0E-07	7.3E-07	8.1E-07	1.1E-06
SPLEEN	7.6E-06	3.3E-07	1.2E-05	1.9E-06	1.6E-06	1.2E-06	1.0E-05	1.3E-06	2.6E-06	1.8E-06
TESTES	9.1E-08	5.9E-06	1.1E-07	5.2E-07	6.2E-07	2.2E-06	1.9E-07	2.1E-07	3.3E-08	1.5E-06
THYROID	2.4E-07	1.4E-08	1.9E-07	5.3E-08	5.6E-08	2.5E-08	1.2E-07	2.3E-07	1.5E-06	1.7E-06
UTERUS (NONGRVD)	7.5E-07	1.8E-05	1.1E-06	1.0E-05	5.6E-06	7.0E-06	1.0E-06	5.0E-07	1.3E-07	2.8E-06
TOTAL BODY	1.4E-05	3.6E-06	5.8E-06	1.2E-05	8.1E-06	9.4E-06	1.4E-05	1.4E-05	1.4E-05	1.4E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)

MOBYDENUM-99 HALF-LIFE 66.7 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	6.7E-07	9.3E-06	2.9E-06	2.1E-06	2.1E-06	9.1E-07	7.9E-06	9.1E-08	2.4E-07	1.4E-05	1.4E-05
BLADDER WALL	8.3E-06	1.9E-07	1.1E-06	6.5E-07	6.5E-07	8.3E-07	2.8E-07	6.2E-06	1.4E-08	1.4E-05	1.4E-05
BONE (TOTAL)	1.2E-06	1.2E-06	4.6E-05	1.7E-04	1.1E-04	1.1E-06	9.8E-07	8.3E-07	9.4E-07	1.4E-05	1.4E-05
GI (STOM WALL)	9.7E-07	2.1E-05	1.3E-06	6.8E-07	6.8E-07	7.8E-07	1.1E-05	1.1E-07	1.5E-07	1.4E-05	1.4E-05
GI (SI)	1.4E-05	2.2E-06	3.2E-06	9.9E-07	9.9E-07	6.8E-07	1.7E-06	6.3E-07	2.7E-08	1.4E-05	1.4E-05
GI (ULI WALL)	1.3E-05	2.6E-06	2.4E-06	9.0E-07	9.0E-07	7.4E-07	1.7E-06	4.4E-07	3.1E-08	1.4E-05	1.4E-05
GI (LLI WALL)	1.7E-05	6.7E-07	3.6E-06	1.2E-06	1.2E-06	7.5E-07	8.0E-07	3.1E-06	2.1E-08	1.4E-05	1.4E-05
KIDNEYS	1.3E-06	7.4E-06	2.8E-06	1.3E-06	1.3E-06	9.1E-07	1.0E-05	1.4E-07	9.5E-08	1.4E-05	1.4E-05
LIVER	7.6E-07	4.9E-06	1.2E-06	8.6E-07	8.6E-07	8.0E-07	1.3E-06	8.8E-08	2.0E-07	1.4E-05	1.4E-05
LUNGS	1.5E-07	2.9E-06	1.5E-06	1.2E-06	1.2E-06	8.3E-07	2.6E-06	2.5E-08	1.3E-06	1.4E-05	1.4E-05
MARROW (RED)	4.0E-06	2.2E-06	4.1E-04	1.1E-05	2.2E-04	9.9E-07	1.4E-06	6.6E-07	1.0E-06	1.4E-05	1.4E-05
OTH TISS (MUSC)	2.4E-06	2.2E-06	1.6E-06	1.3E-06	1.3E-06	1.1E-06	1.8E-06	1.5E-06	1.7E-06	1.4E-05	1.4E-05
OVARIES	7.8E-02	7.9E-07	3.7E-06	1.2E-06	1.2E-06	5.6E-07	9.2E-07	0.0	2.5E-08	1.4E-05	1.4E-05
PANCREAS	8.6E-07	8.7E-03	1.8E-06	1.2E-06	1.2E-06	6.5E-07	2.3E-05	8.6E-08	8.1E-08	1.4E-05	1.4E-05
SKIN	6.5E-07	6.3E-07	9.0E-07	1.0E-06	1.0E-06	3.3E-04	7.5E-07	1.9E-06	1.1E-06	1.3E-05	1.3E-05
SPLEEN	7.8E-07	2.3E-05	1.1E-06	1.0E-06	1.0E-06	8.6E-07	4.8E-03	1.1E-07	2.0E-07	1.4E-05	1.4E-05
TESTES	0.0	1.1E-07	5.2E-07	7.6E-07	7.6E-07	1.1E-06	1.2E-07	2.5E-02	5.7E-09	1.4E-05	1.4E-05
THYROID	2.5E-08	1.4E-07	1.1E-06	1.0E-06	1.0E-06	9.5E-07	1.8E-07	5.7E-09	4.3E-02	1.4E-05	1.4E-05
UTERUS (NONGRVD)	2.2E-05	7.4E-07	2.2E-06	8.9E-07	8.9E-07	7.7E-07	6.4E-07	0.0	2.4E-08	1.5E-05	1.5E-05
TOTAL BODY	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.3E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 TECHNETIUM-97M HALF-LIFE 2.18E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			LIVER	LUNGS	OTHER TISSUE (MUSCLE)		
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				LLI CONTENTS	KIDNEYS
ADRENALS	1.4E-02	3.1E-10	9.6E-09	1.8E-09	2.6E-09	7.1E-10	1.4E-06	2.2E-07	5.2E-08	2.2E-07
BLADDER WALL	3.4E-10	4.9E-04	7.2E-10	1.0E-08	8.2E-09	1.1E-07	6.3E-10	3.8E-10	6.4E-11	9.1E-08
BONE (TOTAL)	8.1E-08	3.1E-09	1.2E-08	3.3E-08	2.4E-08	9.2E-08	3.7E-08	3.6E-08	5.9E-08	3.0E-08
GI (STOM WALL)	1.5E-08	6.5E-10	3.9E-04	1.3E-07	1.9E-07	1.7E-08	1.9E-08	1.9E-08	5.8E-08	6.4E-08
GI (SI)	2.1E-09	1.1E-08	2.7E-08	2.4E-04	2.0E-06	1.0E-06	2.2E-08	1.6E-08	4.5E-10	7.4E-08
GI (ULI WALL)	2.6E-09	7.4E-09	9.6E-08	7.9E-06	4.4E-04	5.6E-07	1.4E-08	3.3E-08	5.3E-10	1.2E-07
GI (LLI WALL)	5.2E-10	1.4E-07	7.1E-09	1.2E-06	1.9E-07	7.1E-04	1.9E-09	5.4E-10	1.1E-10	6.9E-08
KIDNEYS	1.3E-06	6.1E-10	1.6E-08	2.1E-08	1.3E-08	2.3E-09	6.4E-04	8.2E-08	3.1E-09	1.3E-07
LIVER	2.1E-07	3.5E-10	1.4E-08	2.6E-08	3.6E-08	5.6E-10	8.1E-08	1.1E-04	1.2E-07	6.2E-08
LUNGS	5.3E-08	5.3E-11	4.3E-08	5.0E-10	6.3E-10	1.8E-10	3.7E-09	1.6E-07	2.0E-04	1.7E-07
MARROW (RED)	1.2E-07	8.3E-09	1.5E-08	1.3E-07	9.9E-08	3.8E-07	9.8E-08	3.5E-08	6.6E-08	1.5E-07
OTH TISS (MUSC)	2.2E-07	9.1E-08	6.5E-08	7.4E-08	5.3E-08	6.9E-08	1.3E-07	6.2E-08	1.7E-07	6.9E-06
OVARIES	1.5E-09	4.7E-08	1.4E-09	7.5E-07	9.3E-07	2.6E-06	2.7E-09	1.1E-09	1.9E-10	2.2E-07
PANCREAS	1.3E-07	4.4E-10	1.1E-06	6.3E-09	7.0E-09	2.0E-09	8.3E-08	6.7E-08	1.8E-08	1.8E-07
SKIN	1.3E-08	7.1E-09	6.4E-09	3.0E-09	2.5E-09	9.1E-09	1.9E-08	8.5E-09	1.1E-08	1.2E-07
SPLEEN	1.3E-07	2.3E-09	1.8E-07	5.2E-09	4.8E-09	2.3E-09	5.8E-07	2.5E-09	7.8E-08	1.2E-07
TESTES	5.3E-11	3.5E-08	9.6E-11	6.8E-10	5.9E-10	8.1E-09	1.7E-10	1.1E-10	1.2E-11	4.4E-08
THYROID	2.4E-10	2.4E-12	1.6E-10	2.3E-11	2.6E-11	7.5E-12	8.4E-11	2.3E-10	2.9E-09	2.1E-07
UTERUS (NONGRVD)	5.1E-10	6.8E-07	1.8E-09	3.2E-07	3.4E-08	5.5E-08	2.1E-09	9.5E-10	1.7E-10	3.5E-07
TOTAL BODY	2.9E-06	5.8E-07	1.1E-06	2.4E-06	1.5E-06	1.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06

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97mTc

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 TECHNETIUM-97M HALF-LIFE 2.18E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY	
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	7.2E-10	9.9E-08	1.0E-07	6.3E-08	6.3E-08	2.1E-08	1.6E-07	5.3E-11	2.4E-10	2.9E-06	
BLADDER WALL	7.2E-08	3.2E-10	4.0E-09	1.7E-09	1.7E-09	9.1E-09	2.0E-10	4.7E-08	2.4E-12	3.0E-06	
BONE (TOTAL)	2.6E-08	1.6E-08	5.3E-06	3.9E-05	3.3E-05	1.2E-07	2.9E-08	3.2E-09	7.5E-09	3.0E-06	
GI (STOM WALL)	2.2E-09	1.8E-06	7.6E-09	6.7E-09	6.7E-09	1.1E-08	2.3E-07	5.4E-11	1.2E-10	2.9E-06	
GI (SI)	9.7E-07	5.5E-09	4.6E-08	1.0E-08	1.0E-08	3.5E-09	5.2E-09	7.9E-10	1.2E-11	2.9E-06	
GI (ULI WALL)	1.9E-06	6.7E-09	4.5E-08	1.2E-08	1.2E-08	5.9E-09	5.3E-09	6.7E-10	2.6E-11	2.9E-06	
GI (LLI WALL)	2.5E-06	1.5E-09	1.1E-07	3.3E-08	3.3E-08	3.4E-09	1.7E-09	1.9E-08	5.9E-12	2.9E-06	
KIDNEYS	2.4E-09	6.7E-08	2.8E-08	1.3E-08	1.3E-08	2.0E-08	5.9E-07	7.1E-11	7.2E-11	2.9E-06	
LIVER	1.3E-09	6.5E-08	1.1E-08	9.5E-09	9.5E-09	8.7E-09	2.6E-09	5.8E-11	1.9E-10	2.9E-06	
LUNGS	1.3E-10	2.4E-08	2.2E-08	1.9E-08	1.9E-08	1.3E-08	8.1E-08	7.3E-12	3.1E-09	2.9E-06	
MARROW (RED)	1.0E-07	3.1E-08	1.1E-04	1.8E-06	2.3E-05	1.1E-07	3.1E-08	2.2E-09	8.1E-09	3.0E-06	
OTH TISS (MUSC)	2.2E-07	1.8E-07	4.0E-08	3.0E-08	3.0E-08	1.2E-07	1.2E-07	4.4E-08	2.1E-07	2.9E-06	
OVARIES	1.8E-02	1.2E-09	5.8E-08	1.5E-08	1.5E-08	1.2E-09	7.5E-10	0.0	6.5E-12	3.0E-06	
PANCREAS	1.2E-09	2.0E-03	6.8E-09	1.6E-08	1.6E-08	1.6E-09	2.0E-06	9.7E-11	1.2E-10	3.0E-06	
SKIN	1.3E-09	1.3E-09	2.7E-08	3.3E-08	3.3E-08	7.3E-05	5.7E-09	2.6E-07	5.1E-08	2.8E-06	
SPLEEN	1.1E-09	2.1E-06	8.1E-09	2.5E-08	2.5E-08	7.5E-09	1.1E-03	3.7E-11	2.3E-10	2.9E-06	
TESTES	0.0	9.8E-11	1.5E-09	2.1E-09	2.1E-09	1.5E-07	8.5E-11	5.6E-03	4.7E-13	2.9E-06	
THYROID	6.5E-12	2.3E-10	5.6E-09	6.8E-09	6.8E-09	4.7E-08	1.6E-10	4.7E-13	9.7E-03	2.9E-06	
UTERUS (NONGRVD)	8.0E-07	1.1E-09	8.7E-09	2.3E-09	2.3E-09	3.0E-09	9.9E-10	0.0	5.9E-12	2.9E-06	
TOTAL BODY	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.8E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
TECHNETIUM-99M HALF-LIFE 6.03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	3.1E-03	1.5E-07	2.7E-06	1.0E-06	9.1E-07	3.6E-07	1.1E-05	4.5E-06	2.7E-06	1.4E-06
BLADDER WALL	1.3E-07	1.6E-04	2.7E-07	2.6E-06	2.2E-06	6.9E-06	2.8E-07	1.6E-07	3.6E-08	1.8E-06
BONE (TOTAL)	2.0E-06	9.2E-07	9.0E-07	1.3E-06	1.1E-06	1.6E-06	1.4E-06	1.1E-06	1.5E-06	9.8E-07
GI (STOM WALL)	2.9E-06	2.7E-07	1.3E-04	3.7E-06	3.8E-06	1.8E-06	3.6E-06	1.9E-06	1.8E-06	1.3E-06
GI (SI)	8.3E-07	3.0E-06	2.7E-06	7.8E-05	1.7E-05	9.4E-06	2.9E-06	1.6E-06	1.9E-07	1.5E-06
GI (ULI WALL)	9.3E-07	2.2E-06	3.5E-06	2.4E-05	1.3E-04	4.2E-06	2.9E-06	2.5E-06	2.2E-07	1.6E-06
GI (LLI WALL)	2.2E-07	7.4E-06	1.2E-06	7.3E-06	3.2E-06	1.9E-04	7.2E-07	2.3E-07	7.1E-08	1.7E-06
KIDNEYS	1.1E-05	2.6E-07	3.5E-06	3.2E-06	2.8E-06	8.6E-07	1.9E-04	3.9E-06	8.4E-07	1.3E-06
LIVER	4.9E-06	1.7E-07	2.0E-06	1.8E-06	2.6E-06	2.5E-07	3.9E-06	4.6E-05	2.5E-06	1.1E-06
LUNGS	2.4E-06	2.4E-08	1.7E-06	2.2E-07	2.6E-07	7.9E-08	8.5E-07	2.5E-06	5.2E-05	1.3E-06
MARROW (RED)	3.6E-06	2.2E-06	1.6E-06	4.3E-06	3.7E-06	5.1E-06	3.8E-06	1.6E-06	1.9E-06	2.0E-06
OTH TISS (MUSC)	1.4E-06	1.8E-06	1.4E-06	1.5E-06	1.5E-06	1.7E-06	1.3E-06	1.1E-06	1.3E-06	2.7E-06
OVARIES	6.1E-07	7.3E-06	5.0E-07	1.1E-05	1.2E-05	1.8E-05	1.1E-06	4.5E-07	9.4E-08	2.0E-06
PANCREAS	9.0E-06	2.3E-07	1.8E-05	2.1E-06	2.3E-06	7.4E-07	6.6E-06	4.2E-06	2.6E-06	1.8E-06
SKIN	5.1E-07	5.5E-07	4.4E-07	4.1E-07	4.1E-07	4.8E-07	5.3E-07	4.9E-07	5.3E-07	7.2E-07
SPLEEN	6.3E-06	6.6E-07	1.0E-05	1.5E-06	1.4E-06	8.0E-07	8.6E-06	9.2E-07	2.3E-06	1.4E-06
TESTES	3.2E-08	4.7E-06	5.1E-08	3.1E-07	2.7E-07	1.8E-06	8.8E-08	6.2E-08	7.9E-09	1.1E-06
THYROID	1.3E-07	2.1E-09	8.7E-08	1.5E-08	1.6E-08	5.4E-09	4.8E-08	1.5E-07	9.2E-07	1.3E-06
UTERUS (NONGRVD)	1.1E-06	1.6E-05	7.7E-07	9.6E-06	5.4E-06	7.1E-06	9.4E-07	3.9E-07	8.2E-08	2.3E-06
TOTAL BODY	2.2E-06	1.9E-06	1.9E-06	2.4E-06	2.2E-06	2.3E-06	2.2E-06	2.2E-06	2.0E-06	1.9E-06

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99mTc

(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
TECHNETIUM-99M HALF-LIFE 6.03 HOURS

SOURCE ORGANS

TARGET ORGANS	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY
			R	MARROW	CORT BONE	TRA BONE				
ADRENALS	3.3E-07	9.1E-06	2.3E-06	1.1E-06	1.1E-06	6.8E-07	6.3E-06	3.2E-08	1.3E-07	2.3E-06
BLADDER WALL	7.2E-06	1.4E-07	9.9E-07	5.1E-07	5.1E-07	4.9E-07	1.2E-07	4.8E-06	2.1E-09	2.3E-06
BONE (TOTAL)	1.5E-06	1.5E-06	4.0E-06	1.2E-05	1.0E-05	9.9E-07	1.1E-06	9.2E-07	1.0E-06	2.5E-06
GI (STOM WALL)	8.1E-07	1.8E-05	9.5E-07	5.5E-07	5.5E-07	5.4E-07	1.0E-05	3.2E-08	4.5E-08	2.2E-06
GI (SI)	1.2E-05	1.8E-06	2.6E-06	7.3E-07	7.3E-07	4.5E-07	1.4E-06	3.6E-07	9.3E-09	2.5E-06
GI (ULI WALL)	1.1E-05	2.1E-06	2.1E-06	6.9E-07	6.9E-07	4.6E-07	1.4E-06	3.1E-07	1.1E-08	2.4E-06
GI (LLI WALL)	1.5E-05	5.7E-07	2.9E-06	1.0E-06	1.0E-06	4.8E-07	6.1E-07	2.7E-06	4.3E-09	2.3E-06
KIDNEYS	9.2E-07	6.6E-06	2.2E-06	8.2E-07	8.2E-07	5.7E-07	9.1E-06	4.0E-08	3.4E-08	2.2E-06
LIVER	5.4E-07	4.4E-06	9.2E-07	6.6E-07	6.6E-07	5.3E-07	9.8E-07	3.1E-08	9.3E-08	2.2E-06
LUNGS	6.0E-08	2.5E-06	1.2E-06	9.4E-07	9.4E-07	5.8E-07	2.3E-06	6.6E-09	9.4E-07	2.0E-06
MARROW (RED)	5.5E-06	2.8E-06	3.1E-05	4.1E-06	4.1E-06	9.5E-07	1.7E-06	7.3E-07	1.1E-06	2.9E-06
OTH TISS (MUSC)	2.0E-06	1.8E-06	1.2E-06	9.8E-07	9.8E-07	7.2E-07	1.4E-06	1.1E-06	1.3E-06	1.9E-06
OVARIES	4.2E-03	4.1E-07	3.2E-06	7.1E-07	7.1E-07	3.8E-07	4.0E-07	0.0	4.9E-09	2.4E-06
PANCREAS	5.0E-07	5.8E-04	1.7E-06	8.5E-07	8.5E-07	4.4E-07	1.9E-05	5.5E-08	7.2E-08	2.4E-06
SKIN	4.1E-07	4.0E-07	5.9E-07	6.5E-07	6.5E-07	1.6E-05	4.7E-07	1.4E-05	7.3E-07	1.3E-06
SPLEEN	4.9E-07	1.9E-05	9.2E-07	5.8E-07	5.8E-07	5.4E-07	3.3E-04	1.7E-08	1.1E-07	2.2E-06
TESTES	0.0	5.5E-08	4.5E-07	6.4E-07	6.4E-07	9.1E-07	4.8E-08	1.4E-03	5.0E-10	1.7E-06
THYROID	4.9E-09	1.2E-07	6.8E-07	7.9E-07	7.9E-07	6.9E-07	8.7E-08	5.0E-10	2.3E-03	1.5E-06
UTERUS (NONGRVD)	2.1E-05	5.3E-07	2.2E-06	5.7E-07	5.7E-07	4.0E-07	4.0E-07	0.0	4.6E-09	2.6E-06
TOTAL BODY	2.6E-06	2.6E-06	2.2E-06	2.0E-06	2.0E-06	1.3E-06	2.2E-06	1.9E-06	1.8E-06	2.0E-06

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.
DATE OF ISSUE-05-13-75

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
RUTHENIUM-97 HALF-LIFE 69.6 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULLI CONTENTS					LLI CONTENTS
ADRENALS	3.4E-03	3.5E-07	4.0E-06	2.7E-06	1.6E-06	8.1E-07	1.9E-05	9.0E-06	4.3E-06	2.8E-06
BLADDER WALL	2.1E-07	2.3E-04	4.4E-07	4.6E-06	3.6E-06	1.1E-05	5.6E-07	3.1E-07	9.3E-08	3.1E-06
BONE (TOTAL)	2.8E-06	1.3E-06	1.2E-06	1.7E-06	1.5E-06	2.2E-06	2.0E-06	1.5E-06	2.0E-06	1.9E-06
GI (STOM WALL)	5.0E-06	5.0E-07	1.7E-04	6.4E-06	6.6E-06	3.1E-06	5.8E-06	3.4E-06	3.2E-06	2.5E-06
GI (SI)	1.5E-06	4.9E-06	4.5E-06	1.0E-04	3.1E-05	1.7E-05	4.9E-06	2.9E-06	3.6E-07	2.8E-06
GI (ULI WALL)	1.6E-06	4.0E-06	6.1E-06	5.1E-05	1.6E-04	8.0E-06	4.9E-06	4.3E-06	4.5E-07	2.9E-06
GI (LLI WALL)	4.2E-07	1.2E-05	2.2E-06	1.4E-05	5.4E-06	2.2E-04	1.5E-06	4.3E-07	1.9E-07	3.0E-06
KIDNEYS	2.2E-05	5.1E-07	6.0E-06	5.2E-06	4.7E-06	1.6E-06	2.7E-04	6.6E-06	1.5E-06	2.6E-06
LIVER	8.7E-06	3.9E-07	3.4E-06	3.2E-06	4.5E-06	5.0E-07	6.7E-06	7.1E-05	4.4E-06	1.9E-06
LUNGS	4.3E-06	5.0E-08	3.0E-06	4.5E-07	4.9E-07	1.5E-07	1.5E-06	4.4E-06	6.8E-05	2.5E-06
MARROW (RED)	5.0E-06	2.8E-06	2.2E-06	5.6E-06	4.8E-06	6.9E-06	5.1E-06	2.2E-06	2.5E-06	2.9E-06
OTH TISS (MUSC)	2.8E-06	3.1E-06	2.5E-06	2.8E-06	2.6E-06	3.0E-06	2.6E-06	1.9E-06	2.5E-06	3.9E-06
OVARIES	1.0E-06	1.3E-05	7.6E-07	1.9E-05	2.1E-05	3.7E-05	2.1E-06	8.0E-07	2.2E-07	3.7E-06
PANCREAS	1.5E-05	5.2E-07	3.2E-05	3.5E-06	4.0E-06	1.2E-06	1.1E-05	6.8E-06	4.4E-06	3.3E-06
SKIN	1.0E-06	9.9E-07	8.4E-07	8.1E-07	8.1E-07	9.4E-07	1.0E-06	9.3E-07	1.0E-06	1.5E-06
SPLEEN	1.2E-05	2.7E-07	1.7E-05	2.7E-06	2.4E-06	1.4E-06	1.6E-05	1.6E-06	4.0E-06	2.6E-06
TESTES	8.6E-08	7.8E-06	1.1E-07	6.2E-07	6.0E-07	3.5E-06	2.1E-07	1.5E-07	2.5E-08	2.1E-06
THYROID	2.9E-07	7.8E-09	2.2E-07	4.4E-08	4.8E-08	1.8E-08	1.2E-07	3.8E-07	1.5E-06	2.6E-06
UTERUS (NONGRVD)	3.7E-06	2.7E-05	1.4E-06	1.6E-05	8.1E-06	1.2E-05	1.8E-06	6.9E-07	1.7E-07	4.4E-06
TOTAL BODY	3.6E-06	3.6E-06	3.5E-06	4.1E-06	3.9E-06	3.9E-06	3.7E-06	3.7E-06	3.3E-06	3.1E-06

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.
DATE OF ISSUE-05-13-75

97 Ru

(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 RUTHENIUM-97 HALF-LIFE 69.6 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID		
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	7.0E-07	1.4E-05	4.6E-06	2.3E-06	2.3E-06	1.4E-06	1.1E-05	8.6E-08	2.9E-07	4.0E-06	
BLADDER WALL	1.2E-05	2.8E-07	1.3E-06	8.5E-07	8.5E-07	9.5E-07	2.9E-07	8.3E-06	7.9E-09	3.9E-06	
BONE (TOTAL)	2.0E-06	1.9E-06	6.4E-06	1.4E-05	1.3E-05	1.6E-06	1.6E-06	1.3E-06	1.4E-06	3.7E-06	
GI (STOM WALL)	1.4E-06	3.4E-05	1.9E-06	1.0E-06	1.0E-06	9.9E-07	1.7E-05	9.8E-08	9.0E-08	4.0E-06	
GI (SI)	2.2E-05	3.2E-06	4.5E-06	1.3E-06	1.3E-06	8.5E-07	2.4E-06	7.5E-07	2.6E-08	4.2E-06	
GI (ULI WALL)	2.2E-05	3.8E-06	3.7E-06	1.3E-06	1.3E-06	8.3E-07	2.1E-06	6.3E-07	2.0E-08	3.9E-06	
GI (LLI WALL)	2.8E-05	9.8E-07	5.2E-06	1.9E-06	1.9E-06	8.8E-07	1.1E-06	4.8E-06	1.4E-08	3.7E-06	
KIDNEYS	1.7E-06	1.1E-05	3.9E-06	1.6E-06	1.6E-06	1.2E-06	1.6E-05	1.1E-07	7.0E-08	3.7E-06	
LIVER	1.0E-06	7.5E-06	1.7E-06	1.2E-06	1.2E-06	1.0E-06	1.8E-06	7.4E-08	2.2E-07	3.6E-06	
LUNGS	1.3E-07	4.3E-06	2.1E-06	1.7E-06	1.7E-06	1.1E-06	3.9E-06	2.2E-08	1.7E-06	3.2E-06	
MARROW (RED)	6.8E-06	3.6E-06	3.6E-05	8.0E-06	1.2E-05	1.5E-06	2.4E-06	1.1E-06	1.6E-06	4.1E-06	
OTH TISS (MUSC)	3.7E-06	3.3E-06	2.2E-06	1.9E-06	1.9E-06	1.5E-06	2.6E-06	2.1E-06	2.6E-06	3.1E-06	
OVARIES	5.0E-03	5.7E-07	4.2E-06	1.3E-06	1.3E-06	8.1E-07	1.1E-06	0.0	1.7E-08	4.0E-06	
PANCREAS	8.7E-07	8.6E-04	2.8E-06	1.9E-06	1.9E-06	1.0E-06	3.5E-05	1.2E-07	1.8E-07	4.4E-06	
SKIN	8.0E-07	7.7E-07	1.2E-06	1.3E-06	1.3E-06	1.6E-05	9.0E-07	2.9E-06	1.5E-06	2.0E-06	
SPLEEN	9.9E-07	3.5E-05	1.6E-06	1.2E-06	1.2E-06	1.0E-06	4.8E-04	6.0E-08	2.1E-07	3.8E-06	
TESTES	0.0	1.3E-07	5.5E-07	1.1E-06	1.1E-06	2.0E-06	1.2E-07	1.8E-03	2.3E-09	2.7E-06	
THYROID	1.7E-08	2.7E-07	1.3E-06	1.6E-06	1.6E-06	1.4E-06	2.1E-07	2.3E-09	2.8E-03	3.0E-06	
UTERUS (NONGRVD)	3.6E-05	1.1E-06	3.9E-06	1.1E-06	1.1E-06	7.1E-07	7.0E-07	0.0	1.6E-08	4.3E-06	
TOTAL BODY	4.3E-06	4.2E-06	3.5E-06	3.2E-06	3.2E-06	2.0E-06	3.7E-06	3.1E-06	2.9E-06	3.2E-06	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
RHODIUM-103M HALF-LIFE 0.950 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	5.9E-03	3.7E-12	1.5E-09	1.9E-10	4.0E-10	3.1E-11	2.9E-07	5.2E-08	1.0E-08	4.2E-08
BLADDER WALL	3.9E-12	2.1E-04	2.2E-11	2.3E-09	1.6E-09	2.7E-08	1.5E-11	9.0E-12	1.5E-12	2.0E-08
BONE (TOTAL)	2.0E-08	4.6E-10	3.0E-09	7.3E-09	5.8E-09	2.2E-08	9.2E-09	8.4E-09	1.4E-08	6.2E-09
GI (STOM WALL)	3.3E-09	2.1E-11	1.6E-04	3.0E-08	4.3E-08	4.3E-09	4.2E-09	3.8E-09	1.3E-08	1.5E-08
GI (SI)	1.5E-10	2.2E-09	6.0E-09	1.0E-04	4.2E-07	2.2E-07	5.1E-09	3.4E-09	2.2E-11	1.6E-08
GI (ULI WALL)	2.3E-10	1.3E-09	2.3E-08	1.4E-06	1.9E-04	1.1E-07	3.1E-09	8.0E-09	3.4E-11	2.3E-08
GI (LLI WALL)	2.1E-11	3.5E-08	1.5E-09	2.4E-07	4.2E-08	3.0E-04	2.5E-10	1.6E-11	4.1E-12	1.6E-08
KIDNEYS	2.7E-07	1.7E-11	3.8E-09	4.8E-09	2.9E-09	3.4E-10	2.7E-04	1.9E-08	5.8E-10	2.6E-08
LIVER	4.9E-08	1.3E-11	2.6E-09	5.7E-09	8.4E-09	2.1E-11	2.0E-08	4.7E-05	2.7E-08	1.3E-08
LUNGS	1.3E-08	3.8E-13	1.1E-08	2.9E-11	3.5E-11	3.9E-12	6.2E-10	3.5E-08	8.3E-05	3.3E-08
MARROW (RED)	3.0E-08	1.5E-09	3.3E-09	3.0E-08	2.4E-08	9.1E-08	2.4E-08	8.0E-09	1.6E-08	3.3E-08
OTH TISS (MUSC)	4.2E-08	2.0E-08	1.5E-08	1.6E-08	1.2E-08	1.6E-08	2.6E-08	1.3E-08	3.3E-08	2.9E-06
OVARIES	2.4E-11	1.3E-08	1.4E-10	1.6E-07	1.9E-07	5.7E-07	2.3E-10	8.4E-11	7.1E-12	4.2E-08
PANCREAS	3.5E-08	9.7E-12	2.6E-07	9.6E-10	1.1E-09	1.9E-10	2.1E-08	1.4E-08	4.7E-09	3.7E-08
SKIN	3.1E-09	1.7E-09	1.6E-09	5.8E-10	6.0E-10	1.9E-09	4.4E-09	2.0E-09	2.6E-09	2.3E-08
SPLEEN	3.3E-08	6.6E-12	4.9E-08	1.0E-09	7.3E-10	2.6E-10	1.4E-07	3.0E-10	1.9E-08	2.5E-08
TESTES	3.0E-13	9.1E-09	1.6E-12	2.6E-11	2.6E-11	2.1E-09	1.6E-12	1.0E-12	1.4E-13	1.0E-08
THYROID	2.7E-12	4.3E-15	1.7E-12	9.7E-14	1.2E-13	2.4E-14	5.9E-13	2.7E-12	3.4E-10	4.2E-08
UTERUS (NONGRVD)	1.1E-11	1.7E-07	8.8E-11	7.9E-08	8.2E-09	1.4E-08	1.3E-10	4.6E-11	5.7E-12	6.4E-08
TOTAL BODY	1.2E-06	1.8E-07	4.0E-07	9.8E-07	6.1E-07	7.4E-07	1.2E-06	1.2E-06	1.2E-06	1.2E-06

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.
DATE OF ISSUE-05-13-75

103 mRh

(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 RHODIUM-103M HALF-LIFE 0.950 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID		
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	2.4E-11	2.7E-08	2.3E-08	1.4E-08	1.4E-08	5.1E-09	4.1E-08	3.0E-13	2.7E-12	1.2E-06	1.2E-06
BLADDER WALL	1.9E-08	6.4E-12	7.1E-10	1.8E-10	1.8E-10	1.9E-09	7.6E-12	1.2E-08	4.4E-15	1.2E-06	1.2E-06
BONE (TOTAL)	6.8E-09	4.0E-09	8.5E-07	1.6E-05	1.6E-05	2.4E-08	7.2E-09	4.9E-10	1.8E-09	1.2E-06	1.2E-06
GI (STOM WALL)	2.0E-10	4.0E-07	1.4E-09	1.3E-09	1.3E-09	2.4E-09	5.8E-08	1.9E-12	5.7E-12	1.2E-06	1.2E-06
GI (SI)	2.2E-07	7.7E-10	1.0E-08	2.1E-09	2.1E-09	6.9E-10	8.2E-10	3.4E-11	9.7E-14	1.2E-06	1.2E-06
GI (ULI WALL)	3.8E-07	1.1E-09	9.5E-09	2.5E-09	2.5E-09	1.2E-09	9.2E-10	3.1E-11	1.2E-13	1.2E-06	1.2E-06
GI (LLI WALL)	5.1E-07	1.3E-10	2.5E-08	7.0E-09	7.0E-09	6.5E-10	1.9E-10	4.6E-09	1.8E-14	1.2E-06	1.2E-06
KIDNEYS	2.2E-10	1.8E-08	6.1E-09	2.5E-09	2.5E-09	4.6E-09	1.4E-07	1.2E-12	5.9E-13	1.2E-06	1.2E-06
LIVER	9.9E-11	1.6E-08	2.3E-09	2.0E-09	2.0E-09	2.1E-09	2.4E-10	8.2E-13	5.6E-12	1.2E-06	1.2E-06
LUNGS	2.6E-12	6.3E-09	5.1E-09	4.3E-09	4.3E-09	3.1E-09	2.0E-08	4.1E-14	5.2E-10	1.2E-06	1.2E-06
MARROW (RED)	2.8E-08	7.5E-09	5.3E-05	3.2E-07	3.2E-07	2.2E-08	7.4E-09	2.7E-10	1.9E-09	1.2E-06	1.2E-06
OTH TISS (MUSC)	4.2E-08	3.7E-08	8.2E-09	6.2E-09	6.2E-09	2.3E-08	2.5E-08	1.0E-08	4.2E-08	1.2E-06	1.2E-06
OVARIES	7.5E-03	5.6E-11	1.3E-08	4.0E-09	4.0E-09	3.1E-10	5.5E-11	0.0	1.7E-14	1.2E-06	1.2E-06
PANCREAS	4.4E-11	8.4E-04	1.1E-09	3.0E-09	3.0E-09	3.6E-10	4.6E-07	7.2E-13	2.4E-12	1.2E-06	1.2E-06
SKIN	2.2E-10	2.2E-10	5.3E-09	6.6E-09	6.6E-09	3.1E-05	1.4E-09	5.3E-08	1.2E-08	1.2E-06	1.2E-06
SPLEEN	5.3E-11	4.7E-07	1.5E-09	4.8E-09	4.8E-09	1.6E-09	4.6E-04	6.0E-13	3.3E-12	1.2E-06	1.2E-06
TESTES	0.0	7.2E-13	1.3E-10	3.3E-10	3.3E-10	3.0E-08	6.0E-13	2.4E-03	4.6E-16	1.2E-06	1.2E-06
THYROID	1.7E-14	2.4E-12	9.9E-10	1.4E-09	1.4E-09	9.6E-09	1.5E-12	4.6E-16	4.1E-03	1.2E-06	1.2E-06
UTERUS (NONGRVD)	2.0E-07	5.5E-11	1.6E-09	5.1E-10	5.1E-10	5.5E-10	2.9E-11	0.0	1.5E-14	1.2E-06	1.2E-06
TOTAL BODY	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 PALLADIUM-103 HALF-LIFE 442. HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT CONTENTS			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS	LLI CONTENTS				
ADRENALS	1.5E-03	5.1E-10	1.5E-08	4.2E-09	4.7E-09	1.2E-09	2.6E-06	4.6E-07	9.2E-08	3.8E-07
BLADDER WALL	2.7E-10	7.5E-05	9.1E-10	2.4E-08	1.6E-08	2.4E-07	8.9E-10	6.7E-10	1.5E-10	1.8E-07
BONE (TOTAL)	1.8E-07	4.3E-09	2.6E-08	6.4E-08	5.1E-08	1.9E-07	8.1E-08	7.4E-08	1.3E-07	5.6E-08
GI (STOM WALL)	3.3E-08	7.9E-10	5.3E-05	2.7E-07	3.8E-07	3.9E-08	4.0E-08	3.5E-08	1.2E-07	1.3E-07
GI (SI)	2.9E-09	2.2E-08	5.5E-08	3.3E-05	3.8E-06	2.0E-06	4.7E-08	3.2E-08	6.7E-10	1.4E-07
GI (ULI WALL)	3.6E-09	1.5E-08	2.0E-07	1.2E-05	5.5E-05	9.9E-07	3.0E-08	7.3E-08	9.2E-10	2.0E-07
GI (LLI WALL)	7.9E-10	3.1E-07	1.5E-08	2.1E-06	3.7E-07	8.2E-05	3.7E-09	7.4E-10	2.3E-10	1.4E-07
KIDNEYS	2.4E-06	8.6E-10	3.6E-08	4.6E-08	2.8E-08	4.2E-09	1.0E-04	1.7E-07	6.5E-09	2.3E-07
LIVER	4.3E-07	6.4E-10	2.5E-08	5.2E-08	7.7E-08	8.2E-10	1.8E-07	2.0E-05	2.4E-07	1.2E-07
LUNGS	1.2E-07	9.2E-11	9.5E-08	8.4E-10	8.8E-10	2.3E-10	6.6E-09	3.1E-07	2.7E-05	3.0E-07
MARROW (RED)	2.7E-07	1.3E-08	2.9E-08	2.6E-07	2.1E-07	8.0E-07	2.1E-07	7.1E-08	1.4E-07	2.9E-07
OTH TISS (MUSC)	3.8E-07	1.8E-07	1.3E-07	1.4E-07	1.1E-07	1.4E-07	2.3E-07	1.2E-07	3.0E-07	9.2E-07
OVARIES	1.4E-09	1.2E-07	1.7E-09	1.4E-06	1.7E-06	5.1E-06	3.8E-09	1.1E-09	3.4E-10	3.7E-07
PANCREAS	3.1E-07	6.7E-10	2.3E-06	1.1E-08	1.2E-08	2.9E-09	1.9E-07	1.3E-07	4.3E-08	3.3E-07
SKIN	2.8E-08	1.6E-08	1.5E-08	5.8E-09	5.9E-09	1.7E-08	4.0E-08	1.8E-08	2.4E-08	2.0E-07
SPLEEN	2.9E-07	4.7E-10	4.3E-07	1.1E-08	7.7E-09	3.4E-09	1.2E-06	4.0E-09	1.7E-07	2.2E-07
TESTES	1.4E-10	8.2E-08	9.8E-11	9.4E-10	1.1E-09	2.0E-08	3.2E-10	2.4E-10	4.7E-11	9.1E-08
THYROID	4.4E-10	1.7E-11	3.3E-10	7.8E-11	8.4E-11	3.4E-11	2.0E-10	4.8E-10	4.8E-09	3.7E-07
UTERUS (NONGRVD)	2.8E-09	1.5E-06	2.4E-09	7.0E-07	7.4E-08	1.3E-07	2.9E-09	1.2E-09	2.3E-10	5.6E-07
TOTAL BODY	6.2E-07	4.7E-07	5.0E-07	6.0E-07	5.4E-07	5.6E-07	6.2E-07	6.3E-07	6.2E-07	5.7E-07

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(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 PALLADIUM-103 HALF-LIFE 442. HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	1.3E-09	2.4E-07	2.1E-07	1.3E-07	1.3E-07	4.6E-08	3.6E-07	1.4E-10	4.4E-10	4.6E-07	4.6E-07
BLADDER WALL	1.7E-07	4.4E-10	6.8E-09	2.6E-09	2.6E-09	1.8E-08	3.6E-10	1.1E-07	1.7E-11	7.4E-07	7.4E-07
BONE (TOTAL)	5.8E-08	3.5E-08	1.7E-06	5.1E-06	5.1E-06	2.1E-07	6.3E-08	4.7E-09	1.6E-08	7.6E-07	7.6E-07
GI (STOM WALL)	3.0E-09	3.5E-06	1.4E-08	1.2E-08	1.2E-08	2.1E-08	5.2E-07	2.1E-10	2.2E-10	6.4E-07	6.4E-07
GI (SI)	1.9E-06	9.1E-09	9.2E-08	2.0E-08	2.0E-08	6.7E-09	9.0E-09	1.2E-09	2.5E-11	6.2E-07	6.2E-07
GI (ULI WALL)	3.4E-06	1.2E-08	8.6E-08	2.3E-08	2.3E-08	1.1E-08	9.4E-09	9.0E-10	2.6E-11	6.1E-07	6.1E-07
GI (LLI WALL)	4.6E-06	1.9E-09	2.3E-07	6.3E-08	6.3E-08	6.4E-09	2.7E-09	4.3E-08	2.8E-11	6.1E-07	6.1E-07
KIDNEYS	3.7E-09	1.6E-07	5.6E-08	2.3E-08	2.3E-08	4.2E-08	1.2E-06	2.0E-10	1.1E-10	5.8E-07	5.8E-07
LIVER	1.9E-09	1.5E-07	2.2E-08	1.9E-08	1.9E-08	1.9E-08	3.8E-09	1.1E-10	3.4E-10	6.2E-07	6.2E-07
LUNGS	2.3E-10	5.7E-08	4.6E-08	3.9E-08	3.9E-08	2.8E-08	1.7E-07	3.2E-11	5.8E-09	6.3E-07	6.3E-07
MARROW (RED)	2.4E-07	6.5E-08	1.5E-05	2.6E-06	2.7E-06	1.9E-07	6.5E-08	2.8E-09	1.7E-08	8.0E-07	8.0E-07
OTH TISS (MUSC)	3.7E-07	3.3E-07	7.4E-08	5.6E-08	5.6E-08	2.0E-07	2.2E-07	9.1E-08	3.7E-07	5.7E-07	5.7E-07
OVARIES	2.2E-03	9.9E-10	1.2E-07	3.6E-08	3.6E-08	3.0E-09	2.2E-09	0.0	3.3E-11	6.3E-07	6.3E-07
PANCREAS	1.4E-09	3.5E-04	1.2E-08	2.8E-08	2.8E-08	4.0E-09	4.1E-06	1.3E-10	2.0E-10	7.0E-07	7.0E-07
SKIN	2.7E-09	2.7E-09	4.8E-08	6.0E-08	6.0E-08	6.6E-06	1.3E-08	4.8E-07	1.1E-07	4.2E-07	4.2E-07
SPLEEN	1.7E-09	4.2E-06	1.4E-08	4.4E-08	4.4E-08	1.4E-08	1.8E-04	2.1E-10	3.0E-10	6.0E-07	6.0E-07
TESTES	0.0	1.6E-10	1.7E-09	3.7E-09	3.7E-09	2.7E-07	2.0E-10	7.4E-04	5.7E-12	4.8E-07	4.8E-07
THYROID	3.3E-11	4.1E-10	1.0E-08	1.4E-08	1.4E-08	8.5E-08	3.2E-10	5.7E-12	1.2E-03	6.5E-07	6.5E-07
UTERUS (NONGRVD)	1.8E-06	1.7E-09	1.7E-08	5.3E-09	5.3E-09	5.5E-09	1.1E-09	0.0	3.1E-11	6.3E-07	6.3E-07
TOTAL BODY	6.3E-07	6.3E-07	6.2E-07	6.2E-07	6.2E-07	4.2E-07	6.3E-07	5.7E-07	6.0E-07	5.9E-07	5.9E-07

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
SILVER-109M HALF-LIFE 1.11E-02 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	1.2E-02	2.9E-09	9.9E-08	2.1E-08	3.0E-08	7.5E-09	1.8E-06	4.2E-07	1.4E-07	2.4E-07
BLADDER WALL	3.2E-09	4.3E-04	7.3E-09	1.0E-07	7.9E-08	4.0E-07	6.2E-09	3.7E-09	6.5E-10	1.6E-07
BONE (TOTAL)	2.0E-07	3.5E-08	5.2E-08	9.0E-08	7.9E-08	1.9E-07	1.1E-07	9.2E-08	1.5E-07	6.0E-08
GI (STOM WALL)	1.1E-07	6.6E-09	3.4E-04	2.7E-07	3.6E-07	8.4E-08	1.5E-07	8.1E-08	1.3E-07	1.2E-07
GI (SI)	2.2E-08	1.1E-07	1.2E-07	2.1E-04	2.7E-06	1.4E-06	1.2E-07	6.8E-08	4.6E-09	1.3E-07
GI (ULI WALL)	2.7E-08	7.4E-08	2.5E-07	7.0E-06	3.9E-04	6.6E-07	1.1E-07	1.3E-07	5.7E-09	1.6E-07
GI (LLI WALL)	5.3E-09	4.9E-07	4.4E-08	1.4E-06	3.2E-07	6.2E-04	2.0E-08	5.4E-09	1.1E-09	1.4E-07
KIDNEYS	1.7E-06	6.2E-09	1.4E-07	1.3E-07	1.1E-07	2.5E-08	5.6E-04	2.5E-07	2.9E-08	1.7E-07
LIVER	4.3E-07	3.5E-09	8.1E-08	8.9E-08	1.3E-07	5.7E-09	2.4E-07	9.8E-05	2.3E-07	1.0E-07
LUNGS	1.6E-07	5.0E-10	1.2E-07	5.3E-09	6.7E-09	1.8E-09	3.0E-08	2.7E-07	1.7E-04	2.0E-07
MARROW (RED)	3.3E-07	9.3E-08	7.7E-08	3.4E-07	2.9E-07	7.4E-07	3.0E-07	1.0E-07	1.7E-07	2.5E-07
OTH TISS (MUSC)	2.4E-07	1.6E-07	1.2E-07	1.3E-07	1.1E-07	1.4E-07	1.7E-07	1.0E-07	2.0E-07	6.1E-06
OVARIES	1.5E-08	3.6E-07	1.7E-08	1.2E-06	1.3E-06	3.3E-06	3.1E-08	1.2E-08	2.0E-09	2.6E-07
PANCREAS	5.5E-07	4.4E-09	2.1E-06	6.9E-08	7.5E-08	2.2E-08	3.6E-07	2.4E-07	1.3E-07	2.4E-07
SKIN	3.3E-08	2.8E-08	2.4E-08	1.5E-08	1.7E-08	2.4E-08	4.0E-08	2.6E-08	3.1E-08	1.3E-07
SPLEEN	4.3E-07	2.1E-08	6.8E-07	5.3E-08	4.9E-08	2.5E-08	1.0E-06	2.8E-08	1.8E-07	1.7E-07
TESTES	5.0E-10	2.3E-07	9.4E-10	6.9E-09	6.1E-09	7.1E-08	1.6E-09	1.1E-09	1.1E-10	9.1E-08
THYROID	2.3E-09	2.2E-11	1.5E-09	2.1E-10	2.4E-10	6.9E-11	7.9E-10	2.2E-09	2.8E-08	2.4E-07
UTERUS (NONGRVD)	5.0E-09	1.5E-06	1.9E-08	8.0E-07	2.5E-07	3.4E-07	2.2E-08	1.0E-08	1.8E-09	3.6E-07
TOTAL BODY	2.6E-06	5.6E-07	1.0E-06	2.2E-06	1.4E-06	1.7E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06

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109mAg

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 SILVER-109M HALF-LIFE 1.11E-02 HOURS (CONTINUED)

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY		
			R MARROW	CORT BONE						TRA	
ADRENALS	7.4E-09	5.2E-07	1.7E-07	9.7E-08	9.7E-08	4.3E-08	4.6E-07	5.0E-10	2.3E-09	2.5E-06	
BLADDER WALL	3.9E-07	3.1E-09	3.8E-08	1.6E-08	1.6E-08	2.7E-08	2.1E-09	2.5E-07	2.2E-11	2.7E-06	
BONE (TOTAL)	1.1E-07	8.4E-08	4.3E-06	3.4E-05	2.9E-05	1.6E-07	8.9E-08	3.4E-08	5.2E-08	2.7E-06	
GI (STOM WALL)	2.4E-08	2.6E-06	3.3E-08	2.3E-08	2.3E-08	3.1E-08	7.3E-07	5.7E-10	1.4E-09	2.6E-06	
GI (SI)	1.5E-06	5.8E-08	1.3E-07	3.4E-08	3.4E-08	1.7E-08	4.7E-08	8.3E-09	1.1E-10	2.6E-06	
GI (ULI WALL)	2.2E-06	7.2E-08	1.2E-07	3.2E-08	3.2E-08	2.2E-08	5.4E-08	7.1E-09	2.4E-10	2.6E-06	
GI (LLI WALL)	2.9E-06	1.6E-08	2.3E-07	6.7E-08	6.7E-08	1.8E-08	1.8E-08	1.2E-07	5.5E-11	2.6E-06	
KIDNEYS	2.6E-08	3.5E-07	1.0E-07	3.7E-08	3.7E-08	4.4E-08	1.0E-06	6.9E-10	6.8E-10	2.6E-06	
LIVER	1.4E-08	2.5E-07	3.8E-08	3.1E-08	3.1E-08	2.9E-08	2.8E-08	5.7E-10	2.0E-09	2.6E-06	
LUNGS	1.3E-09	1.3E-07	6.4E-08	5.4E-08	5.4E-08	3.7E-08	1.9E-07	6.8E-11	3.2E-08	2.6E-06	
MARROW (RED)	4.3E-07	1.6E-07	1.0E-04	1.6E-06	1.8E-05	1.5E-07	1.1E-07	2.5E-08	5.3E-08	2.8E-06	
OTH TISS (MUSC)	2.6E-07	2.4E-07	7.7E-08	6.0E-08	6.0E-08	1.3E-07	1.7E-07	9.1E-08	2.4E-07	2.6E-06	
OVARIES	1.5E-02	1.2E-08	1.8E-07	4.9E-08	4.9E-08	1.3E-08	8.5E-09	0.0	6.0E-11	2.6E-06	
PANCREAS	1.3E-08	1.7E-03	5.9E-08	3.7E-08	3.7E-08	1.4E-08	3.0E-06	9.2E-10	1.2E-09	2.7E-06	
SKIN	1.3E-08	1.3E-08	4.2E-08	5.0E-08	5.0E-08	6.4E-05	2.4E-08	2.9E-07	8.5E-08	2.5E-06	
SPLEEN	1.2E-08	3.1E-06	3.6E-08	4.1E-08	4.1E-08	2.6E-08	9.7E-04	3.6E-10	2.2E-09	2.6E-06	
TESTES	0.0	9.2E-10	1.5E-08	2.1E-08	2.1E-08	1.7E-07	8.0E-10	4.9E-03	4.3E-12	2.5E-06	
THYROID	6.0E-11	2.2E-09	2.4E-08	3.2E-08	3.2E-08	7.4E-08	1.5E-09	4.3E-12	8.4E-03	2.6E-06	
UTERUS (NONGRVD)	1.9E-06	1.2E-08	7.5E-08	2.0E-08	2.0E-08	1.6E-08	1.0E-08	0.0	5.5E-11	2.6E-06	
TOTAL BODY	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.5E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 CADMIUM-109 HALF-LIFE 1.09E 04 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	1.4E-03	1.3E-11	3.2E-08	3.8E-09	1.0E-08	3.9E-10	2.7E-06	5.5E-07	1.2E-07	3.8E-07
BLADDER WALL	1.5E-11	7.3E-05	2.4E-10	5.4E-08	3.6E-08	3.7E-07	2.3E-10	1.1E-10	2.4E-12	2.1E-07
BONE (TOTAL)	2.4E-07	1.0E-08	4.1E-08	8.7E-08	7.4E-08	2.5E-07	1.2E-07	9.9E-08	1.7E-07	6.5E-08
GI (STOM WALL)	5.9E-08	2.8E-10	5.2E-05	3.2E-07	4.6E-07	6.4E-08	8.1E-08	5.3E-08	1.5E-07	1.6E-07
GI (SI)	3.1E-09	4.8E-08	8.7E-08	3.2E-05	4.1E-06	2.1E-06	7.8E-08	4.4E-08	4.0E-10	1.6E-07
GI (ULI WALL)	4.1E-09	2.8E-08	2.7E-07	1.2E-05	5.3E-05	1.0E-06	6.2E-08	1.1E-07	6.6E-10	2.2E-07
GI (LLI WALL)	3.0E-10	4.9E-07	2.2E-08	2.2E-06	4.3E-07	7.9E-05	5.9E-09	2.3E-10	6.2E-11	1.7E-07
KIDNEYS	2.6E-06	2.1E-10	8.0E-08	7.9E-08	5.8E-08	7.9E-09	9.9E-05	2.4E-07	1.2E-08	2.5E-07
LIVER	5.3E-07	1.8E-10	4.4E-08	7.1E-08	1.1E-07	2.8E-10	2.4E-07	2.0E-05	2.9E-07	1.3E-07
LUNGS	1.6E-07	6.5E-13	1.3E-07	5.4E-10	6.1E-10	2.5E-11	1.2E-08	3.6E-07	2.6E-05	3.1E-07
MARROW (RED)	3.7E-07	3.5E-08	4.7E-08	3.5E-07	3.0E-07	1.0E-06	3.1E-07	9.5E-08	2.0E-07	3.4E-07
OTH TISS (MUSC)	3.8E-07	2.1E-07	1.6E-07	1.6E-07	1.4E-07	1.7E-07	2.5E-07	1.3E-07	3.1E-07	9.1E-07
OVARIES	2.1E-10	2.8E-07	2.5E-09	1.6E-06	1.9E-06	5.4E-06	4.2E-09	1.4E-09	2.7E-11	3.9E-07
PANCREAS	5.1E-07	5.6E-11	2.8E-06	2.2E-08	2.4E-08	4.9E-09	3.1E-07	2.1E-07	9.2E-08	3.5E-07
SKIN	3.7E-08	2.3E-08	2.2E-08	9.1E-09	1.1E-08	2.1E-08	4.9E-08	2.5E-08	3.2E-08	2.0E-07
SPLEEN	4.5E-07	4.1E-11	6.9E-07	2.4E-08	1.5E-08	5.1E-09	1.4E-06	7.0E-09	2.2E-07	2.4E-07
TESTES	2.4E-13	1.6E-07	4.4E-12	4.1E-10	4.1E-10	4.3E-08	3.7E-12	2.4E-12	4.8E-14	1.1E-07
THYROID	7.8E-12	2.4E-16	4.9E-12	4.4E-14	5.9E-14	6.2E-15	8.0E-13	1.0E-11	7.5E-09	3.8E-07
UTERUS (NONGRVD)	1.4E-10	2.0E-06	1.6E-09	9.4E-07	1.5E-07	2.5E-07	2.8E-09	7.2E-10	1.8E-11	5.5E-07
TOTAL BODY	6.3E-07	4.8E-07	5.1E-07	6.0E-07	5.5E-07	5.7E-07	6.2E-07	6.3E-07	6.3E-07	5.7E-07

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109Cd

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 CADMIUM-109 HALF-LIFE 1.09E 04 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	THYROID	TESTES	SPLEEN	
ADRENALS	2.1E-10	4.5E-07	1.3E-07	1.3E-07	5.3E-08	5.2E-07	2.4E-13	7.8E-12	4.7E-07	4.7E-07	4.7E-07
BLADDER WALL	3.1E-07	6.1E-11	1.5E-08	3.0E-09	2.7E-08	4.6E-11	2.0E-07	2.7E-16	7.1E-07	7.1E-07	7.1E-07
BONE (TOTAL)	1.0E-07	6.1E-08	1.7E-06	5.1E-06	2.3E-07	9.0E-08	1.0E-08	3.2E-08	7.9E-07	7.9E-07	7.9E-07
GI (STOM WALL)	4.5E-09	3.9E-06	1.6E-08	1.6E-08	3.0E-08	7.7E-07	5.7E-12	6.2E-12	6.3E-07	6.3E-07	6.3E-07
GI (SI)	2.2E-06	1.7E-08	1.2E-07	2.6E-08	1.0E-08	1.5E-08	4.0E-10	4.5E-14	6.3E-07	6.3E-07	6.3E-07
GI (ULI WALL)	3.4E-06	2.5E-08	1.1E-07	2.7E-08	1.6E-08	2.0E-08	4.1E-10	6.1E-14	6.2E-07	6.2E-07	6.2E-07
GI (ILI WALL)	4.7E-06	2.7E-09	2.7E-07	7.3E-08	1.0E-08	4.0E-09	7.7E-08	4.8E-15	6.2E-07	6.2E-07	6.2E-07
KIDNEYS	4.7E-09	2.9E-07	7.7E-08	3.0E-08	5.2E-08	1.4E-06	3.7E-12	8.0E-13	5.8E-07	5.8E-07	5.8E-07
LIVER	2.1E-09	2.3E-07	2.7E-08	2.6E-08	2.7E-08	5.2E-09	2.3E-12	1.0E-11	6.3E-07	6.3E-07	6.3E-07
LUNGS	7.9E-12	1.0E-07	6.1E-08	5.2E-08	3.9E-08	2.2E-07	1.4E-14	1.1E-08	6.3E-07	6.3E-07	6.3E-07
MARROW (RED)	4.2E-07	1.1E-07	1.5E-05	2.5E-06	2.1E-07	9.3E-08	5.7E-09	3.1E-08	8.4E-07	8.4E-07	8.4E-07
OTH TISS (MUSC)	3.9E-07	3.5E-07	8.5E-08	6.5E-08	2.0E-07	2.4E-07	1.1E-07	3.8E-07	5.7E-07	5.7E-07	5.7E-07
OVARIES	2.1E-03	6.8E-10	1.3E-07	5.4E-08	7.0E-09	7.5E-10	0.0	2.1E-15	6.3E-07	6.3E-07	6.3E-07
PANCREAS	6.8E-10	3.3E-04	2.1E-08	3.1E-08	8.4E-09	4.6E-06	1.0E-12	6.7E-12	6.9E-07	6.9E-07	6.9E-07
SKIN	4.8E-09	5.1E-09	5.2E-08	6.3E-08	6.4E-06	2.1E-08	4.8E-07	1.2E-07	4.1E-07	4.1E-07	4.1E-07
SPLEEN	8.2E-10	4.6E-06	2.0E-08	4.8E-08	2.1E-08	1.7E-04	8.4E-13	3.7E-12	6.1E-07	6.1E-07	6.1E-07
TESTES	0.0	1.0E-12	3.0E-09	7.6E-09	2.8E-07	8.3E-13	7.1E-04	6.3E-18	4.8E-07	4.8E-07	4.8E-07
THYROID	2.1E-15	6.7E-12	1.3E-08	2.3E-08	1.0E-07	3.7E-12	6.3E-18	1.1E-03	6.2E-07	6.2E-07	6.2E-07
UTERUS (NONGRVD)	2.4E-06	9.4E-10	3.1E-08	1.2E-08	8.0E-09	3.5E-10	0.0	1.7E-15	6.3E-07	6.3E-07	6.3E-07
TOTAL BODY	6.4E-07	6.4E-07	6.2E-07	6.2E-07	4.2E-07	6.3E-07	5.7E-07	6.0E-07	6.0E-07	6.0E-07	6.0E-07

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S, ABSORBED DOSE (RAD) PER 1 UCI-H
OF CADMIUM-109 (HALF-LIFE 1.09E 04 HOURS) AND 1 UCI-H OF SILVER-109M (HALF-LIFE 1.11E-02 HOURS)

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			LIVER	LUNGS	OTHER TISSUE (MUSCLE)		
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				LLI CONTENTS	
ADRENALS	1.3E-02	2.9E-09	1.3E-07	2.5E-08	4.1E-08	7.9E-09	4.5E-06	9.7E-07	2.6E-07	6.2E-07
BLADDER WALL	3.2E-09	5.1E-04	7.6E-09	1.5E-07	1.2E-07	7.8E-07	6.5E-09	3.8E-09	6.6E-10	3.8E-07
BONE (TOTAL)	4.4E-07	4.5E-08	9.4E-08	1.8E-07	1.5E-07	4.4E-07	2.3E-07	1.9E-07	3.2E-07	1.3E-07
GI (STOM WALL)	1.7E-07	6.8E-09	3.9E-04	5.9E-07	8.2E-07	1.5E-07	2.3E-07	1.3E-07	2.9E-07	2.8E-07
GI (SI)	2.6E-08	1.6E-07	2.1E-07	2.5E-04	6.8E-06	3.5E-06	2.0E-07	1.1E-07	5.0E-09	2.9E-07
GI (ULI WALL)	3.1E-08	1.0E-07	5.3E-07	1.9E-05	4.4E-04	1.7E-06	1.8E-07	2.5E-07	6.4E-09	3.8E-07
GI (LLI WALL)	5.6E-09	9.7E-07	6.6E-08	3.5E-06	7.5E-07	7.0E-04	2.6E-08	5.6E-09	1.2E-09	3.0E-07
KIDNEYS	4.3E-06	6.4E-09	2.2E-07	2.1E-07	1.7E-07	3.3E-08	6.6E-04	4.9E-07	4.1E-08	4.2E-07
LIVER	9.6E-07	3.7E-09	1.2E-07	1.6E-07	2.4E-07	6.0E-09	4.9E-07	1.2E-04	5.2E-07	2.3E-07
LUNGS	3.2E-07	5.0E-10	2.5E-07	5.9E-09	7.3E-09	1.8E-09	4.2E-08	6.4E-07	2.0E-04	5.1E-07
MARROW (RED)	6.9E-07	1.3E-07	1.2E-07	6.9E-07	5.9E-07	1.7E-06	6.1E-07	2.0E-07	3.7E-07	6.0E-07
OTH TISS (MUSC)	6.2E-07	3.8E-07	2.8E-07	2.9E-07	2.5E-07	3.0E-07	4.2E-07	2.3E-07	5.1E-07	7.0E-06
OVARIES	1.5E-08	6.3E-07	1.9E-08	2.8E-06	3.2E-06	8.7E-06	3.5E-08	1.3E-08	2.1E-09	6.5E-07
PANCREAS	1.1E-06	4.5E-09	4.9E-06	9.1E-08	9.9E-08	2.7E-08	6.8E-07	4.6E-07	2.2E-07	5.9E-07
SKIN	6.9E-08	5.1E-08	4.5E-08	2.5E-08	2.7E-08	4.5E-08	8.9E-08	5.2E-08	6.3E-08	3.3E-07
SPLEEN	8.7E-07	2.1E-08	1.4E-06	7.8E-08	6.4E-08	3.0E-08	2.5E-06	3.5E-08	4.0E-07	4.1E-07
TESTES	5.0E-10	4.0E-07	9.5E-10	7.3E-09	6.5E-09	1.1E-07	1.6E-09	1.1E-09	1.1E-10	2.0E-07
THYROID	2.3E-09	2.2E-11	1.5E-09	2.1E-10	2.4E-10	6.9E-11	7.9E-10	2.2E-09	3.6E-08	6.2E-07
UTERUS (NONGRVD)	5.2E-09	3.5E-06	2.0E-08	1.7E-06	4.0E-07	5.9E-07	2.5E-08	1.1E-08	1.8E-09	9.1E-07
TOTAL BODY	3.2E-06	1.0E-06	1.5E-06	2.8E-06	2.0E-06	2.3E-06	3.2E-06	3.3E-06	3.2E-06	3.1E-06

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109Cd+109mAg

S, ABSORBED DOSE (RAD) PER 1 UCI-H (CONTINUED)
 OF CADMIUM-109 (HALF-LIFE 1.09E 04 HOURS) AND 1 UCI-H OF SILVER-109M (HALF-LIFE 1.11E-02 HOURS)

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID	TOTAL		
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	7.7E-09	9.8E-07	3.9E-07	2.2E-07	2.2E-07	9.6E-08	9.8E-07	5.0E-10	2.3E-09	3.0E-06	
BLADDER WALL	6.9E-07	3.2E-09	5.3E-08	1.9E-08	1.9E-08	5.3E-08	2.1E-09	4.5E-07	2.2E-11	3.4E-06	
BONE (TOTAL)	2.1E-07	1.5E-07	6.0E-06	3.9E-05	3.4E-05	3.9E-07	1.8E-07	4.5E-08	8.4E-08	3.5E-06	
GI (STOM WALL)	2.8E-08	6.6E-06	5.1E-08	3.9E-08	3.9E-08	6.2E-08	1.5E-06	5.7E-10	1.4E-09	3.2E-06	
GI (SI)	3.8E-06	7.5E-08	2.5E-07	6.1E-08	6.1E-08	2.8E-08	6.2E-08	8.7E-09	1.1E-10	3.3E-06	
GI (ULI WALL)	5.6E-06	9.7E-08	2.2E-07	6.0E-08	6.0E-08	3.8E-08	7.4E-08	7.5E-09	2.4E-10	3.2E-06	
GI (LLI WALL)	7.7E-06	1.9E-08	5.0E-07	1.4E-07	1.4E-07	2.9E-08	2.2E-08	2.0E-07	5.5E-11	3.2E-06	
KIDNEYS	3.1E-08	6.4E-07	1.8E-07	6.7E-08	6.7E-08	9.6E-08	2.5E-06	6.9E-10	6.8E-10	3.2E-06	
LIVER	1.6E-08	4.8E-07	6.5E-08	5.7E-08	5.7E-08	5.6E-08	3.3E-08	5.7E-10	2.0E-09	3.2E-06	
LUNGS	1.3E-09	2.3E-07	1.3E-07	1.1E-07	1.1E-07	7.7E-08	4.1E-07	6.8E-11	4.4E-08	3.2E-06	
MARROW (RED)	8.5E-07	2.7E-07	1.2E-04	4.2E-06	2.1E-05	3.6E-07	2.0E-07	3.1E-08	8.4E-08	3.6E-06	
OTH TISS (MUSC)	6.5E-07	5.9E-07	1.6E-07	1.3E-07	1.3E-07	3.3E-07	4.1E-07	2.0E-07	6.2E-07	3.1E-06	
OVARIES	1.7E-02	1.3E-08	3.0E-07	1.0E-07	1.0E-07	2.0E-08	9.3E-09	0.0	6.0E-11	3.2E-06	
PANCREAS	1.3E-08	2.1E-03	8.0E-08	6.7E-08	6.7E-08	2.3E-08	7.6E-06	9.2E-10	1.2E-09	3.3E-06	
SKIN	1.8E-08	1.8E-08	9.4E-08	1.1E-07	1.1E-07	7.0E-05	4.4E-08	7.8E-07	2.1E-07	2.9E-06	
SPLEEN	1.3E-08	7.7E-06	5.6E-08	8.9E-08	8.9E-08	4.8E-08	1.1E-03	3.6E-10	2.2E-09	3.2E-06	
TESTES	0.0	9.2E-10	1.8E-08	2.8E-08	2.8E-08	4.6E-07	8.0E-10	5.6E-03	4.3E-12	3.0E-06	
THYROID	6.0E-11	2.2E-09	3.7E-08	5.5E-08	5.5E-08	1.8E-07	1.5E-09	4.3E-12	9.6E-03	3.2E-06	
UTERUS (NONGRVD)	4.4E-06	1.3E-08	1.1E-07	3.2E-08	3.2E-08	2.4E-08	1.0E-08	0.0	5.5E-11	3.3E-06	
TOTAL BODY	3.3E-06	3.3E-06	3.2E-06	3.2E-06	3.2E-06	2.9E-06	3.3E-06	3.1E-06	3.2E-06	3.2E-06	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
INDIUM-111 HALF-LIFE 67.4 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	7.4E-03	5.7E-07	7.3E-06	4.4E-06	2.8E-06	1.3E-06	3.4E-05	1.5E-05	7.6E-06	4.8E-06
BLADDER WALL	3.6E-07	4.5E-04	7.5E-07	8.0E-06	6.4E-06	2.0E-05	9.3E-07	5.2E-07	1.5E-07	5.5E-06
BONE (TOTAL)	5.2E-06	2.3E-06	2.3E-06	3.2E-06	2.9E-06	4.2E-06	3.7E-06	2.9E-06	3.8E-06	3.2E-06
GI (STOM WALL)	8.8E-06	8.5E-07	3.4E-04	1.1E-05	1.2E-05	5.4E-06	1.0E-05	5.8E-06	5.7E-06	4.3E-06
GI (SI)	2.5E-06	8.6E-06	7.9E-06	2.1E-04	5.4E-05	3.0E-05	8.6E-06	5.0E-06	6.1E-07	4.8E-06
GI (ULI WALL)	2.8E-06	6.9E-06	1.1E-05	8.3E-05	3.3E-04	1.4E-05	8.6E-06	7.5E-06	7.4E-07	5.0E-06
GI (LLI WALL)	7.1E-07	2.2E-05	3.8E-06	2.4E-05	9.5E-06	4.7E-04	2.5E-06	7.3E-07	3.0E-07	5.2E-06
KIDNEYS	3.7E-05	8.5E-07	1.1E-05	9.2E-06	8.3E-06	2.8E-06	5.2E-04	1.2E-05	2.7E-06	4.4E-06
LIVER	1.5E-05	6.3E-07	5.9E-06	5.6E-06	7.8E-06	8.4E-07	1.2E-05	1.3E-04	7.7E-06	3.4E-06
LUNGS	7.6E-06	8.2E-08	5.2E-06	7.5E-07	8.3E-07	2.6E-07	2.5E-06	7.8E-06	1.4E-04	4.2E-06
MARROW (RED)	9.4E-06	5.3E-06	4.0E-06	1.1E-05	9.1E-06	1.3E-05	9.6E-06	4.1E-06	4.8E-06	5.3E-06
OTH TISS (MUSC)	4.8E-06	5.5E-06	4.3E-06	4.8E-06	4.5E-06	5.2E-06	4.4E-06	3.4E-06	4.2E-06	7.5E-06
OVARIES	1.8E-06	2.3E-05	1.3E-06	3.3E-05	3.7E-05	6.4E-05	3.6E-06	1.4E-06	3.6E-07	6.3E-06
PANCREAS	2.6E-05	8.6E-07	5.7E-05	6.1E-06	7.1E-06	2.1E-06	2.0E-05	1.2E-05	7.7E-06	5.7E-06
SKIN	1.8E-06	1.7E-06	1.4E-06	1.4E-06	1.4E-06	1.6E-06	1.8E-06	1.6E-06	1.8E-06	2.5E-06
SPLEEN	2.0E-05	7.6E-07	3.1E-05	4.6E-06	4.2E-06	2.4E-06	2.8E-05	2.8E-06	7.1E-06	4.6E-06
TESTES	1.4E-07	1.4E-05	1.8E-07	1.0E-06	9.8E-07	5.9E-06	3.4E-07	2.5E-07	3.9E-08	3.6E-06
THYROID	4.7E-07	1.2E-08	3.5E-07	6.9E-08	7.5E-08	2.7E-08	2.0E-07	6.2E-07	2.6E-06	4.3E-06
UTERUS (NONGRVD)	5.8E-06	4.9E-05	2.4E-06	2.9E-05	1.5E-05	2.1E-05	3.1E-06	1.2E-06	2.8E-07	7.4E-06
TOTAL BODY	6.6E-06	6.2E-06	6.1E-06	7.3E-06	6.8E-06	6.9E-06	6.6E-06	6.6E-06	5.9E-06	5.6E-06

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111In

(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 INDIUM-111 HALF-LIFE 67.4 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	THYROID	TESTES	THYROID	
ADRENALS	1.1E-06	2.6E-05	3.9E-06	3.9E-06	2.4E-06	2.0E-05	1.4E-07	4.7E-07	4.7E-07	1.4E-07	7.0E-06
BLADDER WALL	2.1E-05	4.7E-07	1.5E-06	1.5E-06	1.6E-06	4.7E-07	1.5E-05	1.2E-08	1.2E-08	1.5E-05	6.9E-06
BONE (TOTAL)	3.8E-06	3.6E-06	3.0E-05	2.6E-05	2.9E-06	2.9E-06	2.4E-06	2.6E-06	2.6E-06	2.4E-06	6.9E-06
GI (STOM WALL)	2.4E-06	5.9E-05	1.7E-06	1.7E-06	1.7E-06	3.0E-05	1.5E-07	1.5E-07	1.5E-07	1.5E-07	7.1E-06
GI (SI)	3.8E-05	5.5E-06	2.3E-06	2.3E-06	1.5E-06	4.2E-06	1.2E-06	4.2E-08	4.2E-08	1.2E-06	7.5E-06
GI (ULI WALL)	3.7E-05	6.6E-06	2.2E-06	2.2E-06	1.4E-06	3.8E-06	1.1E-06	3.3E-08	3.3E-08	1.1E-06	7.0E-06
GI (LLI WALL)	4.8E-05	1.7E-06	3.2E-06	3.2E-06	1.5E-06	1.9E-06	8.3E-06	2.2E-08	2.2E-08	8.3E-06	6.7E-06
KIDNEYS	2.9E-06	1.9E-05	2.7E-06	2.7E-06	2.0E-06	2.8E-05	1.7E-07	1.2E-07	1.2E-07	1.7E-07	6.6E-06
LIVER	1.7E-06	1.3E-05	2.0E-06	2.0E-06	1.7E-06	3.0E-06	1.2E-07	3.5E-07	3.5E-07	1.2E-07	6.5E-06
LUNGS	2.2E-07	7.6E-06	3.0E-06	3.0E-06	1.9E-06	6.9E-06	3.4E-08	2.9E-06	2.9E-06	3.4E-08	5.9E-06
MARROW (RED)	1.3E-05	6.8E-06	1.3E-05	2.6E-05	2.7E-06	4.4E-06	1.9E-06	2.9E-06	2.9E-06	1.9E-06	7.7E-06
OTH TISS (MUSC)	6.3E-06	5.7E-06	3.2E-06	3.2E-06	2.5E-06	4.6E-06	3.6E-06	4.3E-06	4.3E-06	3.6E-06	5.6E-06
OVARIES	1.0E-02	1.0E-06	2.2E-06	2.2E-06	1.4E-06	1.7E-06	0.0	2.5E-08	2.5E-08	0.0	7.0E-06
PANCREAS	1.5E-06	1.6E-03	3.1E-06	3.1E-06	1.7E-06	6.1E-05	2.1E-07	3.0E-07	3.0E-07	2.1E-07	7.8E-06
SKIN	1.4E-06	1.3E-06	2.3E-06	2.3E-06	3.7E-05	1.5E-06	4.9E-06	2.5E-06	2.5E-06	4.9E-06	3.7E-06
SPLEEN	1.6E-06	6.2E-05	2.0E-06	2.0E-06	1.7E-06	9.1E-04	8.9E-08	3.5E-07	3.5E-07	8.9E-08	6.8E-06
TESTES	0.0	2.1E-07	1.9E-06	1.9E-06	3.4E-06	2.0E-07	3.6E-03	3.3E-09	3.3E-09	3.6E-03	4.9E-06
THYROID	2.5E-08	4.5E-07	2.8E-06	2.8E-06	2.4E-06	3.4E-07	3.3E-09	5.8E-03	5.8E-03	3.3E-09	5.2E-06
UTERUS (NONGRVD)	6.5E-05	1.9E-06	1.8E-06	1.8E-06	1.2E-06	1.2E-06	0.0	2.4E-08	2.4E-08	0.0	7.8E-06
TOTAL BODY	7.7E-06	7.5E-06	6.4E-06	5.9E-06	3.8E-06	6.6E-06	5.6E-06	5.3E-06	5.3E-06	5.6E-06	5.8E-06

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.
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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
INDIUM-113M HALF-LIFE 1.66 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	2.3E-02	4.0E-07	4.0E-06	2.5E-06	1.8E-06	8.8E-07	2.2E-05	9.2E-06	4.5E-06	2.8E-06
BLADDER WALL	2.0E-07	9.1E-04	6.7E-07	5.7E-06	3.6E-06	1.1E-05	6.5E-07	5.0E-07	1.2E-07	3.3E-06
BONE (TOTAL)	2.7E-06	1.2E-06	1.2E-06	1.6E-06	1.5E-06	2.1E-06	1.9E-06	1.5E-06	2.0E-06	2.0E-06
GI (STOM WALL)	5.3E-06	5.6E-07	7.1E-04	6.4E-06	6.8E-06	3.3E-06	6.1E-06	3.5E-06	3.4E-06	2.6E-06
GI (SI)	1.7E-06	4.9E-06	4.8E-06	4.4E-04	3.1E-05	1.7E-05	5.1E-06	2.9E-06	4.5E-07	2.9E-06
GI (ULI WALL)	1.8E-06	4.3E-06	6.2E-06	4.5E-05	7.8E-04	8.0E-06	5.2E-06	4.6E-06	6.0E-07	3.0E-06
GI (LLI WALL)	5.6E-07	1.3E-05	2.3E-06	1.3E-05	5.6E-06	1.2E-03	1.6E-06	5.3E-07	1.6E-07	3.1E-06
KIDNEYS	2.2E-05	6.3E-07	6.2E-06	5.7E-06	5.0E-06	1.6E-06	1.1E-03	7.0E-06	1.8E-06	2.7E-06
LIVER	9.1E-06	4.7E-07	3.7E-06	3.3E-06	4.6E-06	5.9E-07	7.2E-06	2.2E-04	4.5E-06	2.0E-06
LUNGS	4.4E-06	7.2E-08	3.3E-06	5.5E-07	5.7E-07	1.7E-07	1.7E-06	4.5E-06	3.3E-04	2.5E-06
MARROW (RED)	4.9E-06	2.6E-06	2.1E-06	5.2E-06	4.5E-06	6.5E-06	5.0E-06	2.1E-06	2.5E-06	2.8E-06
OTH TISS (MUSC)	2.8E-06	3.3E-06	2.6E-06	2.9E-06	2.7E-06	3.1E-06	2.7E-06	2.0E-06	2.5E-06	1.4E-05
OVARIES	1.0E-06	1.2E-05	8.5E-07	1.8E-05	2.3E-05	3.3E-05	2.1E-06	5.5E-07	2.6E-07	3.7E-06
PANCREAS	1.5E-05	5.0E-07	3.3E-05	3.8E-06	3.7E-06	1.3E-06	1.2E-05	8.1E-06	4.9E-06	3.4E-06
SKIN	1.2E-06	1.1E-06	1.0E-06	9.2E-07	9.5E-07	1.0E-06	1.2E-06	1.1E-06	1.2E-06	1.6E-06
SPLEEN	1.2E-05	3.6E-07	1.8E-05	2.8E-06	2.3E-06	1.6E-06	1.6E-05	1.8E-06	4.1E-06	2.7E-06
TESTES	1.1E-07	8.9E-06	7.2E-08	6.5E-07	8.0E-07	3.7E-06	2.5E-07	1.9E-07	3.7E-08	2.2E-06
THYROID	3.4E-07	1.3E-08	2.6E-07	6.1E-08	6.6E-08	2.7E-08	1.5E-07	3.6E-07	1.9E-06	2.6E-06
UTERUS (NONGRVD)	2.0E-06	2.8E-05	1.6E-06	1.7E-05	8.3E-06	1.1E-05	1.7E-06	7.7E-07	1.7E-07	3.9E-06
TOTAL BODY	7.5E-06	4.0E-06	4.7E-06	7.2E-06	5.7E-06	6.2E-06	7.5E-06	7.6E-06	7.1E-06	7.0E-06

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.
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113mIn

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 INDIUM-113M HALF-LIFE 1.66 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY	
			R MARROW	CORT	BONE TRA						
ADRENALS	9.5E-07	1.5E-05	3.9E-06	2.8E-06	2.8E-06	1.3E-06	1.1E-05	1.1E-07	3.4E-07	8.3E-06	
BLADDER WALL	1.2E-05	3.3E-07	1.3E-06	1.1E-06	1.1E-06	1.1E-06	2.7E-07	9.1E-06	1.3E-08	7.7E-06	
BONE (TOTAL)	1.9E-06	1.8E-06	2.0E-05	6.8E-05	4.5E-05	1.6E-06	1.5E-06	1.3E-06	1.4E-06	7.4E-06	
GI (STOM WALL)	1.5E-06	3.3E-05	1.9E-06	1.1E-06	1.1E-06	1.1E-06	1.8E-05	1.7E-07	1.7E-07	7.8E-06	
GI (SI)	2.2E-05	3.3E-06	4.9E-06	1.4E-06	1.4E-06	9.6E-07	2.5E-06	8.9E-07	1.9E-08	8.1E-06	
GI (ULI WALL)	2.1E-05	4.0E-06	3.8E-06	1.3E-06	1.3E-06	9.8E-07	2.4E-06	6.1E-07	2.0E-08	7.9E-06	
GI (LLI WALL)	2.7E-05	1.0E-06	5.6E-06	1.8E-06	1.8E-06	1.0E-06	1.2E-06	5.2E-06	2.2E-08	7.9E-06	
KIDNEYS	2.0E-06	1.1E-05	4.2E-06	1.7E-06	1.7E-06	1.3E-06	1.6E-05	1.5E-07	8.2E-08	7.6E-06	
LIVER	1.1E-06	7.7E-06	1.8E-06	1.3E-06	1.3E-06	1.2E-06	1.9E-06	8.6E-08	2.6E-07	7.6E-06	
LUNGS	1.8E-07	4.4E-06	2.2E-06	1.8E-06	1.8E-06	1.2E-06	4.1E-06	2.5E-08	1.9E-06	7.2E-06	
MARROW (RED)	6.4E-06	3.5E-06	1.6E-04	8.6E-06	8.3E-05	1.5E-06	2.3E-06	1.0E-06	1.6E-06	7.7E-06	
OTH TISS (MUSC)	3.7E-06	3.4E-06	2.4E-06	2.0E-06	2.0E-06	1.6E-06	2.7E-06	2.2E-06	2.6E-06	7.0E-06	
OVARIES	2.9E-02	6.4E-07	5.7E-06	1.7E-06	1.7E-06	6.7E-07	1.6E-06	0.0	2.6E-08	7.7E-06	
PANCREAS	9.6E-07	3.5E-03	3.1E-06	1.8E-06	1.8E-06	1.1E-06	3.6E-05	9.4E-08	1.5E-07	7.9E-06	
SKIN	9.1E-07	8.7E-07	1.3E-06	1.5E-06	1.5E-06	1.2E-04	1.1E-06	3.0E-06	1.6E-06	6.0E-06	
SPLEEN	1.2E-06	3.6E-05	1.5E-06	1.4E-06	1.4E-06	1.1E-06	2.0E-03	1.6E-07	2.3E-07	7.7E-06	
TESTES	0.0	1.2E-07	7.0E-07	1.1E-06	1.1E-06	1.8E-06	1.5E-07	9.4E-03	4.5E-09	7.3E-06	
THYROID	2.6E-08	3.2E-07	1.5E-06	1.9E-06	1.9E-06	1.5E-06	2.5E-07	4.5E-09	1.6E-02	6.9E-06	
UTERUS (NONGRVD)	3.6E-05	1.2E-06	3.7E-06	1.1E-06	1.1E-06	9.1E-07	8.0E-07	0.0	2.5E-08	7.9E-06	
TOTAL BODY	8.1E-06	8.1E-06	7.4E-06	7.1E-06	7.1E-06	6.0E-06	7.6E-06	7.0E-06	6.8E-06	7.1E-06	

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S. ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 IODINE-115M HALF-LIFE 4.50 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			LIVER	LUNGS	OTHER TISSUE (MUSCLE)		
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				LLI CONTENTS	
ADRENALS	3.0E-02	2.1E-07	2.3E-06	1.4E-06	9.5E-07	4.7E-07	1.3E-05	5.3E-06	2.5E-06	1.7E-06
BLADDER WALL	1.1E-07	1.1E-03	3.2E-07	3.0E-06	2.1E-06	6.4E-06	3.4E-07	2.4E-07	6.1E-08	1.9E-06
BONE (TOTAL)	1.7E-06	6.9E-07	7.0E-07	9.5E-07	8.7E-07	1.3E-06	1.1E-06	8.9E-07	1.2E-06	1.1E-06
GI (STOM WALL)	3.0E-06	3.0E-07	8.8E-04	3.7E-06	3.9E-06	1.8E-06	3.4E-06	1.9E-06	1.9E-06	1.5E-06
GI (SI)	8.9E-07	2.8E-06	2.7E-06	5.5E-04	1.9E-05	1.0E-05	2.8E-06	1.7E-06	2.3E-07	1.6E-06
GI (ULI WALL)	9.7E-07	2.4E-06	3.6E-06	2.9E-05	9.8E-04	4.8E-06	2.9E-06	2.6E-06	3.0E-07	1.7E-06
GI (LLI WALL)	2.8E-07	7.4E-06	1.3E-06	8.1E-06	3.2E-06	1.6E-03	8.6E-07	2.7E-07	9.7E-08	1.8E-06
KIDNEYS	1.3E-05	3.2E-07	3.5E-06	3.1E-06	2.8E-06	9.0E-07	1.4E-03	3.9E-06	9.6E-07	1.5E-06
LIVER	5.2E-06	2.4E-07	2.0E-06	1.9E-06	2.6E-06	3.1E-07	4.0E-06	2.6E-04	2.6E-06	1.2E-06
LUNGS	2.5E-06	3.5E-08	1.8E-06	2.9E-07	3.0E-07	9.3E-08	8.9E-07	2.7E-06	4.3E-04	1.5E-06
MARROW (RED)	2.9E-06	1.5E-06	1.2E-06	3.1E-06	2.7E-06	4.2E-06	3.0E-06	1.3E-06	1.5E-06	1.7E-06
OTH TISS (MUSC)	1.7E-06	1.9E-06	1.5E-06	1.6E-06	1.6E-06	1.8E-06	1.5E-06	1.2E-06	1.5E-06	1.6E-05
OVARIES	5.6E-07	7.2E-06	4.5E-07	1.1E-05	1.3E-05	2.1E-05	1.2E-06	3.6E-07	1.4E-07	2.2E-06
PANCREAS	8.8E-06	2.8E-07	1.9E-05	2.1E-06	2.1E-06	7.2E-07	6.6E-06	4.4E-06	2.7E-06	2.0E-06
SKIN	6.5E-07	6.1E-07	5.4E-07	4.9E-07	5.0E-07	5.7E-07	6.4E-07	5.8E-07	6.5E-07	9.4E-07
SPLEEN	6.9E-06	1.8E-07	1.0E-05	1.6E-06	1.3E-06	8.4E-07	9.4E-06	9.6E-07	2.4E-06	1.6E-06
TESTES	5.7E-08	4.8E-06	4.7E-08	3.6E-07	4.0E-07	2.1E-06	1.3E-07	9.7E-08	1.8E-08	1.3E-06
THYROID	1.8E-07	6.2E-09	1.3E-07	3.0E-08	3.3E-08	1.3E-08	7.9E-08	2.1E-07	9.9E-07	1.5E-06
UTERUS (NONGRVD)	1.5E-06	1.6E-05	8.5E-07	9.6E-06	4.7E-06	6.6E-06	9.7E-07	4.1E-07	9.6E-08	2.4E-06
TOTAL BODY	7.7E-06	2.8E-06	3.8E-06	6.9E-06	4.9E-06	5.6E-06	7.7E-06	7.8E-06	7.5E-06	7.4E-06

DECAY DATA REVISED-MARCH, 1972. REFERENCE-WIRD PAMPHLET NO. 10.
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115mIn

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 INDIUM-115M HALF-LIFE 4.50 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID		
			R	CORT	BONE	TRA	BONE				
ADRENALS	4.8E-07	8.7E-06	2.4E-06	1.5E-06	1.5E-06	7.9E-07	6.6E-06	5.7E-08	1.8E-07	8.0E-06	8.0E-06
BLADDER WALL	7.0E-06	1.7E-07	7.3E-07	5.5E-07	5.5E-07	5.9E-07	1.5E-07	5.0E-06	6.3E-09	7.9E-06	7.9E-06
BONE (TOTAL)	1.1E-06	1.1E-06	2.3E-05	8.7E-05	5.7E-05	9.8E-07	9.1E-07	7.2E-07	8.2E-07	7.7E-06	7.7E-06
GI (STOM WALL)	8.1E-07	2.0E-05	1.1E-06	5.9E-07	5.9E-07	6.1E-07	1.0E-05	7.8E-08	7.9E-08	7.9E-06	7.9E-06
GI (SI)	1.3E-05	1.8E-06	2.7E-06	7.9E-07	7.9E-07	5.2E-07	1.4E-06	4.7E-07	1.2E-08	8.0E-06	8.0E-06
GI (ULI WALL)	1.3E-05	2.2E-06	2.1E-06	7.4E-07	7.4E-07	5.2E-07	1.3E-06	3.5E-07	1.1E-08	7.9E-06	7.9E-06
GI (LLI WALL)	1.7E-05	5.5E-07	3.1E-06	1.1E-06	1.1E-06	5.5E-07	6.6E-07	2.9E-06	1.1E-08	7.9E-06	7.9E-06
KIDNEYS	1.0E-06	6.5E-06	2.3E-06	9.3E-07	9.3E-07	7.2E-07	9.5E-06	7.6E-08	4.3E-08	7.8E-06	7.8E-06
LIVER	6.0E-07	4.4E-06	1.0E-06	7.0E-07	7.0E-07	6.3E-07	1.0E-06	4.5E-08	1.4E-07	7.7E-06	7.7E-06
LUNGS	8.9E-08	2.5E-06	1.2E-06	1.0E-06	1.0E-06	6.8E-07	2.3E-06	1.3E-08	1.0E-06	7.5E-06	7.5E-06
MARROW (RED)	3.9E-06	2.0E-06	2.1E-04	6.8E-06	1.0E-04	9.2E-07	1.3E-06	5.8E-07	9.0E-07	8.0E-06	8.0E-06
OTH TISS (MUSC)	2.2E-06	2.0E-06	1.3E-06	1.1E-06	1.1E-06	9.4E-07	1.6E-06	1.3E-06	1.5E-06	7.4E-06	7.4E-06
OVARIES	3.8E-02	3.4E-07	2.9E-06	9.0E-07	9.0E-07	4.1E-07	7.9E-07	0.0	1.3E-08	7.8E-06	7.8E-06
PANCREAS	5.1E-07	4.4E-03	1.7E-06	1.0E-06	1.0E-06	5.9E-07	2.2E-05	5.9E-08	9.1E-08	8.1E-06	8.1E-06
SKIN	4.9E-07	4.7E-07	7.4E-07	8.3E-07	8.3E-07	1.6E-04	5.7E-07	1.8E-06	9.0E-07	6.8E-06	6.8E-06
SPLEEN	6.1E-07	2.2E-05	8.8E-07	7.6E-07	7.6E-07	6.2E-07	2.4E-03	6.9E-08	1.2E-07	7.8E-06	7.8E-06
TESTES	0.0	7.0E-08	3.6E-07	6.0E-07	6.0E-07	1.1E-06	8.0E-08	1.2E-02	2.0E-09	7.4E-06	7.4E-06
THYROID	1.3E-08	1.7E-07	8.1E-07	1.0E-06	1.0E-06	8.6E-07	1.3E-07	2.0E-09	2.1E-02	7.4E-06	7.4E-06
UTERUS (NONGRVD)	2.1E-05	6.3E-07	2.1E-06	6.1E-07	6.1E-07	4.7E-07	4.2E-07	0.0	1.2E-08	8.0E-06	8.0E-06
TOTAL BODY	8.1E-06	8.0E-06	7.7E-06	7.5E-06	7.5E-06	6.8E-06	7.7E-06	7.4E-06	7.3E-06	7.5E-06	7.5E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 TIN-113 HALF-LIFE 2.76E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			LIVER	LUNGS	OTHER TISSUE (MUSCLE)		
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				LLI CONTENTS	
ADRENALS	1.6E-03	8.1E-09	1.6E-07	7.0E-08	5.9E-08	2.0E-08	3.8E-06	9.7E-07	2.8E-07	5.0E-07
BLADDER WALL	4.8E-09	8.5E-05	1.1E-08	2.2E-07	1.6E-07	8.7E-07	1.4E-08	7.9E-09	2.2E-09	3.6E-07
BONE (TOTAL)	4.3E-07	5.1E-08	9.7E-08	1.7E-07	1.5E-07	4.0E-07	2.3E-07	1.8E-07	3.1E-07	1.3E-07
GI (STOM WALL)	2.3E-07	1.2E-08	6.0E-05	5.7E-07	7.9E-07	1.8E-07	2.9E-07	1.7E-07	2.9E-07	2.8E-07
GI (SI)	4.1E-08	2.1E-07	2.5E-07	3.7E-05	5.8E-06	3.1E-06	2.5E-07	1.4E-07	9.4E-09	2.8E-07
GI (ULI WALL)	4.6E-08	1.5E-07	5.5E-07	1.4E-05	6.1E-05	1.4E-06	2.4E-07	2.9E-07	1.2E-08	3.4E-07
GI (LLI WALL)	1.1E-08	1.1E-06	9.1E-08	2.8E-06	6.9E-07	8.9E-05	4.7E-08	1.1E-08	4.4E-09	3.0E-07
KIDNEYS	3.7E-06	1.2E-08	3.0E-07	2.7E-07	2.2E-07	5.4E-08	1.1E-04	5.3E-07	6.0E-08	3.7E-07
LIVER	9.4E-07	9.5E-09	1.6E-07	1.9E-07	2.8E-07	1.2E-08	5.3E-07	2.3E-05	5.0E-07	2.2E-07
LUNGS	3.5E-07	1.2E-09	2.7E-07	1.2E-08	1.3E-08	3.7E-09	5.7E-08	5.9E-07	2.9E-05	4.3E-07
MARROW (RED)	6.8E-07	1.4E-07	1.3E-07	6.6E-07	5.8E-07	1.6E-06	6.0E-07	1.9E-07	3.6E-07	5.3E-07
OTH TISS (MUSC)	5.0E-07	3.6E-07	2.8E-07	2.8E-07	2.5E-07	3.0E-07	3.7E-07	2.2E-07	4.3E-07	1.1E-06
OVARIES	2.4E-08	8.4E-07	2.3E-08	2.5E-06	2.9E-06	7.3E-06	5.8E-08	2.1E-08	5.2E-09	5.5E-07
PANCREAS	1.2E-06	1.2E-08	4.7E-06	1.3E-07	1.4E-07	3.9E-08	7.9E-07	5.3E-07	2.8E-07	5.0E-07
SKIN	7.9E-08	6.2E-08	5.5E-08	3.5E-08	3.9E-08	5.2E-08	9.3E-08	6.2E-08	7.3E-08	2.6E-07
SPLEEN	1.0E-06	6.6E-09	1.6E-06	1.1E-07	8.5E-08	4.3E-08	2.3E-06	5.3E-08	4.2E-07	3.7E-07
TESTES	2.0E-09	4.9E-07	2.4E-09	1.5E-08	1.5E-08	1.7E-07	5.0E-09	3.6E-09	6.0E-10	2.1E-07
THYROID	6.8E-09	1.9E-10	5.1E-09	1.0E-09	1.1E-09	4.2E-10	2.9E-09	8.9E-09	5.1E-08	5.1E-07
UTERUS (NONGRVD)	8.2E-08	3.5E-06	3.7E-08	1.8E-06	4.7E-07	7.3E-07	4.8E-08	1.8E-08	4.0E-09	7.2E-07
TOTAL BODY	7.9E-07	6.3E-07	6.7E-07	7.9E-07	7.2E-07	7.4E-07	7.8E-07	8.0E-07	7.8E-07	7.0E-07

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(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCL-H)
 TIN-113 HALF-LIFE 2.76E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY		
			R MARROW	CORT	BONE	TRA	BONE			
ADRENALS	1.7E-08	1.2E-06	3.7E-07	2.0E-07	2.0E-07	1.0E-07	1.1E-06	2.0E-09	6.8E-09	6.4E-07
BLADDER WALL	8.3E-07	6.7E-09	6.1E-08	2.6E-08	2.6E-08	6.6E-08	6.8E-09	5.6E-07	1.9E-10	8.5E-07
BONE (TOTAL)	2.2E-07	1.5E-07	2.1E-06	5.8E-06	5.8E-06	3.3E-07	1.8E-07	5.1E-08	9.3E-08	1.0E-06
GI (STOM WALL)	4.2E-08	5.8E-06	7.3E-08	4.9E-08	4.9E-08	7.1E-08	1.6E-06	2.4E-09	2.3E-09	7.9E-07
GI (SI)	3.4E-06	1.1E-07	2.7E-07	7.2E-08	7.2E-08	3.8E-08	8.6E-08	1.8E-08	5.8E-10	8.1E-07
GI (ULI WALL)	4.5E-06	1.4E-07	2.4E-07	6.8E-08	6.8E-08	4.6E-08	9.1E-08	1.5E-08	4.4E-10	8.0E-07
GI (LLI WALL)	6.2E-06	2.8E-08	5.0E-07	1.4E-07	1.4E-07	4.0E-08	3.4E-08	2.5E-07	3.5E-10	7.9E-07
KIDNEYS	5.0E-08	7.8E-07	2.1E-07	8.2E-08	8.2E-08	1.0E-07	2.3E-06	2.6E-09	1.6E-09	7.3E-07
LIVER	2.8E-08	5.5E-07	8.0E-08	6.7E-08	6.7E-08	6.6E-08	5.2E-08	1.7E-09	5.1E-09	7.8E-07
LUNGS	3.2E-09	2.9E-07	1.4E-07	1.2E-07	1.2E-07	8.8E-08	4.2E-07	5.0E-10	6.2E-08	7.8E-07
MARROW (RED)	8.8E-07	2.8E-07	1.7E-05	3.0E-06	3.0E-06	3.0E-07	2.0E-07	3.6E-08	9.3E-08	1.1E-06
OTH TISS (MUSC)	5.5E-07	5.0E-07	1.7E-07	1.3E-07	1.3E-07	2.6E-07	3.7E-07	2.1E-07	5.1E-07	7.0E-07
OVARIES	2.2E-03	1.5E-08	2.7E-07	1.2E-07	1.2E-07	3.3E-08	2.8E-08	0.0	4.0E-10	7.9E-07
PANCREAS	2.2E-08	3.6E-04	1.1E-07	8.4E-08	8.4E-08	4.0E-08	6.7E-06	2.8E-09	4.1E-09	8.6E-07
SKIN	2.8E-08	2.8E-08	9.4E-08	1.1E-07	1.1E-07	7.1E-07	5.6E-08	6.3E-07	2.0E-07	4.9E-07
SPLEEN	2.5E-08	6.7E-06	7.0E-08	9.0E-08	9.0E-08	5.9E-08	1.9E-04	1.6E-09	4.9E-09	7.8E-07
TESTES	0.0	3.0E-09	1.9E-08	4.0E-08	4.0E-08	3.9E-07	2.9E-09	7.7E-04	5.6E-11	6.1E-07
THYROID	4.0E-10	6.4E-09	5.2E-08	7.9E-08	7.9E-08	1.8E-07	4.9E-09	5.6E-11	1.2E-03	7.3E-07
UTERUS (NONGRVD)	4.5E-06	2.8E-08	1.5E-07	4.8E-08	4.8E-08	3.1E-08	1.7E-08	0.0	3.8E-10	8.0E-07
TOTAL BODY	8.3E-07	8.3E-07	7.9E-07	7.8E-07	7.8E-07	5.1E-07	8.0E-07	7.0E-07	7.3E-07	7.4E-07

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 IODINE-123 HALF-LIFE 13.0 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	5.3E-03	2.0E-07	3.1E-06	1.4E-06	1.1E-06	4.6E-07	1.7E-05	6.6E-06	3.3E-06	2.2E-06
BLADDER WALL	1.5E-07	2.8E-04	3.1E-07	3.3E-06	2.6E-06	8.8E-06	3.4E-07	1.9E-07	4.9E-08	2.5E-06
BONE (TOTAL)	2.7E-06	1.0E-06	1.1E-06	1.5E-06	1.4E-06	2.3E-06	1.8E-06	1.4E-06	2.0E-06	1.3E-06
GI (STOM WALL)	3.6E-06	3.2E-07	2.2E-04	4.8E-06	5.3E-06	2.2E-06	4.3E-06	2.3E-06	2.5E-06	1.8E-06
GI (SI)	9.8E-07	3.6E-06	3.3E-06	1.3E-04	2.6E-05	1.4E-05	3.6E-06	2.0E-06	2.3E-07	2.1E-06
GI (ULI WALL)	1.1E-06	2.7E-06	4.7E-06	4.1E-05	2.2E-04	6.3E-06	3.5E-06	3.2E-06	2.8E-07	2.2E-06
GI (LLI WALL)	2.6E-07	9.8E-06	1.5E-06	1.1E-05	4.4E-06	3.2E-04	9.0E-07	2.7E-07	9.6E-08	2.3E-06
KIDNEYS	1.7E-05	3.2E-07	4.3E-06	3.9E-06	3.5E-06	1.1E-06	3.4E-04	5.1E-06	1.0E-06	2.0E-06
LIVER	6.8E-06	2.2E-07	2.5E-06	2.3E-06	3.3E-06	3.1E-07	5.1E-06	7.9E-05	3.4E-06	1.5E-06
LUNGS	3.2E-06	3.0E-08	2.3E-06	2.7E-07	3.1E-07	9.5E-08	1.0E-06	3.6E-06	9.2E-05	2.0E-06
MARROW (RED)	4.8E-06	2.5E-06	1.9E-06	5.3E-06	4.6E-06	7.6E-06	4.8E-06	2.0E-06	2.5E-06	2.8E-06
OTH TISS (MUSC)	2.2E-06	2.5E-06	1.9E-06	2.1E-06	2.0E-06	2.3E-06	2.0E-06	1.5E-06	2.0E-06	4.4E-06
OVARIES	6.9E-07	9.5E-06	5.7E-07	1.5E-05	1.7E-05	3.0E-05	1.3E-06	5.2E-07	1.2E-07	2.9E-06
PANCREAS	1.2E-05	2.9E-07	2.7E-05	2.4E-06	2.8E-06	8.6E-07	8.5E-06	5.4E-06	3.3E-06	2.6E-06
SKIN	7.1E-07	7.1E-07	5.9E-07	5.3E-07	5.4E-07	6.3E-07	7.4E-07	6.5E-07	7.2E-07	1.1E-06
SPLEEN	8.7E-06	5.6E-07	1.4E-05	1.9E-06	1.7E-06	9.4E-07	1.3E-05	1.1E-06	3.2E-06	2.1E-06
TESTES	4.4E-08	5.9E-06	6.2E-08	3.8E-07	3.5E-07	2.3E-06	1.2E-07	8.4E-08	1.2E-08	1.6E-06
THYROID	1.6E-07	3.5E-09	1.2E-07	2.2E-08	2.4E-08	8.4E-09	6.5E-08	2.0E-07	1.1E-06	2.1E-06
UTERUS (NONGRVD)	1.6E-06	2.3E-05	9.2E-07	1.3E-05	6.4E-06	8.9E-06	1.1E-06	4.5E-07	1.0E-07	3.4E-06
TOTAL BODY	3.4E-06	2.9E-06	3.0E-06	3.7E-06	3.3E-06	3.4E-06	3.4E-06	3.5E-06	3.2E-06	2.9E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 IODINE-123 HALF-LIFE 13.0 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON	R MARROW	CORT BONE	TRA BONE	SKIN	SPLEEN	TESTES	THYROID	
ADRENALS	4.1E-07	1.2E-05	3.1E-06	1.5E-06	1.5E-06	1.5E-06	9.4E-07	8.7E-06	4.4E-08	1.6E-07	3.4E-06
BLADDER WALL	9.2E-06	1.7E-07	1.1E-06	6.0E-07	6.0E-07	6.0E-07	6.6E-07	1.5E-07	6.2E-06	3.6E-09	3.5E-06
BONE (TOTAL)	1.9E-06	1.7E-06	7.0E-06	2.0E-05	1.8E-05	1.8E-05	1.5E-06	1.5E-06	1.0E-06	1.2E-06	4.0E-06
GI (STOM WALL)	9.4E-07	2.8E-05	1.2E-06	6.9E-07	6.9E-07	6.9E-07	7.1E-07	1.4E-05	4.8E-08	5.7E-08	3.5E-06
GI (SI)	1.8E-05	2.2E-06	3.3E-06	9.3E-07	9.3E-07	9.3E-07	5.7E-07	1.7E-06	4.4E-07	1.3E-08	3.8E-06
GI (ULI WALL)	1.8E-05	2.6E-06	2.7E-06	8.7E-07	8.7E-07	8.7E-07	5.9E-07	1.7E-06	3.8E-07	1.3E-08	3.7E-06
GI (LLI WALL)	2.4E-05	6.6E-07	3.9E-06	1.3E-06	1.3E-06	1.3E-06	6.0E-07	7.3E-07	3.4E-06	6.8E-09	3.5E-06
KIDNEYS	1.1E-06	8.5E-06	2.8E-06	1.1E-06	1.1E-06	1.1E-06	8.2E-07	1.3E-05	5.7E-08	4.2E-08	3.3E-06
LIVER	6.5E-07	5.7E-06	1.1E-06	8.3E-07	8.3E-07	8.3E-07	7.1E-07	1.2E-06	4.1E-08	1.2E-07	3.4E-06
LUNGS	7.7E-08	3.3E-06	1.5E-06	1.2E-06	1.2E-06	1.2E-06	8.0E-07	3.1E-06	1.0E-08	1.1E-06	3.1E-06
MARROW (RED)	7.0E-06	3.3E-06	5.5E-05	7.8E-06	7.8E-06	7.8E-06	1.4E-06	2.1E-06	8.1E-07	1.3E-06	4.4E-06
OTH TISS (MUSC)	2.9E-06	2.6E-06	1.6E-06	1.3E-06	1.3E-06	1.3E-06	1.1E-06	2.1E-06	1.6E-06	2.1E-06	2.9E-06
OVARIES	7.2E-03	4.4E-07	3.6E-06	1.0E-06	1.0E-06	1.0E-06	5.0E-07	5.7E-07	0.0	7.9E-09	3.6E-06
PANCREAS	5.8E-07	1.0E-03	2.0E-06	1.1E-06	1.1E-06	1.1E-06	6.0E-07	3.0E-05	6.9E-08	9.5E-08	3.8E-06
SKIN	5.1E-07	5.0E-07	8.1E-07	9.0E-07	9.0E-07	9.0E-07	2.7E-05	6.3E-07	2.3E-06	1.1E-06	2.0E-06
SPLEEN	6.0E-07	3.0E-05	1.1E-06	8.0E-07	8.0E-07	8.0E-07	7.1E-07	5.9E-04	3.0E-08	1.3E-07	3.5E-06
TESTES	0.0	7.1E-08	4.8E-07	7.6E-07	7.6E-07	7.6E-07	1.5E-06	6.6E-08	2.5E-03	9.8E-10	2.6E-06
THYROID	7.9E-09	1.5E-07	8.5E-07	1.0E-06	1.0E-06	1.0E-06	1.1E-06	1.1E-07	9.9E-10	4.0E-03	2.6E-06
UTERUS (NONGRVD)	3.0E-05	6.6E-07	2.7E-06	7.2E-07	7.2E-07	7.2E-07	5.0E-07	4.7E-07	0.0	7.3E-09	3.9E-06
TOTAL BODY	3.9E-06	3.9E-06	3.4E-06	3.2E-06	3.2E-06	3.2E-06	2.1E-06	3.5E-06	2.9E-06	2.9E-06	3.1E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 IODINE-124 HALF-LIFE 101. HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	3.7E-02	1.9E-06	1.9E-05	9.7E-06	8.3E-06	3.9E-06	9.6E-05	3.8E-05	1.7E-05	1.2E-05
BLADDER WALL	1.4E-06	1.8E-03	3.5E-06	2.5E-05	1.5E-05	4.5E-05	3.2E-06	2.4E-06	6.8E-07	1.4E-05
BONE (TOTAL)	1.1E-05	4.5E-06	4.7E-06	6.1E-06	5.6E-06	8.3E-06	7.7E-06	5.8E-06	7.9E-06	8.7E-06
GI (STOM WALL)	2.2E-05	3.2E-06	1.3E-03	2.7E-05	2.8E-05	1.4E-05	2.5E-05	1.5E-05	1.5E-05	1.1E-05
GI (SI)	7.7E-06	2.1E-05	2.0E-05	8.3E-04	1.3E-04	7.0E-05	2.2E-05	1.2E-05	2.4E-06	1.2E-05
GI (ULI WALL)	8.2E-06	1.7E-05	2.6E-05	1.8E-04	1.4E-03	3.3E-05	2.2E-05	1.9E-05	3.2E-06	1.3E-05
GI (LLI WALL)	2.9E-06	5.5E-05	1.0E-05	5.4E-05	2.3E-05	2.1E-03	7.2E-06	2.6E-06	6.1E-07	1.3E-05
KIDNEYS	8.8E-05	3.2E-06	2.5E-05	2.4E-05	2.1E-05	7.1E-06	2.1E-03	2.9E-05	8.0E-06	1.1E-05
LIVER	3.8E-05	2.4E-06	1.6E-05	1.4E-05	1.9E-05	3.0E-06	3.0E-05	4.6E-04	1.9E-05	8.8E-06
LUNGS	1.8E-05	5.5E-07	1.4E-05	2.7E-06	3.0E-06	1.1E-06	7.5E-06	1.9E-05	5.9E-04	1.1E-05
MARROW (RED)	1.9E-05	9.4E-06	7.9E-06	1.9E-05	1.7E-05	2.5E-05	1.9E-05	8.4E-06	1.0E-05	1.1E-05
OTH TISS (MUSC)	1.2E-05	1.4E-05	1.1E-05	1.2E-05	1.2E-05	1.3E-05	1.1E-05	8.8E-06	1.1E-05	2.9E-05
OVARIES	3.6E-06	4.8E-05	6.0E-06	6.8E-05	8.5E-05	1.3E-04	9.5E-06	3.8E-06	1.3E-06	1.6E-05
PANCREAS	6.6E-05	2.3E-06	1.3E-04	1.5E-05	1.5E-05	5.7E-06	5.0E-05	3.4E-05	2.0E-05	1.4E-05
SKIN	5.6E-06	5.3E-06	4.8E-06	4.4E-06	4.5E-06	4.9E-06	5.3E-06	4.9E-06	5.4E-06	7.4E-06
SPLEEN	4.8E-05	1.9E-06	7.3E-05	1.2E-05	1.0E-05	7.6E-06	6.4E-05	7.9E-06	1.6E-05	1.2E-05
TESTES	6.6E-07	3.8E-05	7.3E-07	3.7E-06	4.0E-06	1.5E-05	1.3E-06	1.1E-06	2.6E-07	1.0E-05
THYROID	1.7E-06	1.2E-07	1.3E-06	4.0E-07	4.2E-07	2.0E-07	8.6E-07	1.5E-06	9.0E-06	1.1E-05
UTERUS (NONGRVD)	3.1E-06	1.1E-04	7.2E-06	6.6E-05	3.6E-05	4.3E-05	6.8E-06	3.8E-06	1.1E-06	1.6E-05
TOTAL BODY	2.0E-05	1.5E-05	1.6E-05	2.1E-05	1.8E-05	1.9E-05	2.0E-05	2.0E-05	1.8E-05	1.8E-05

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(CONTINUED)

(RAD/UCI-H)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 IODINE-124 HALF-LIFE 101. HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID		
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	4.6E-06	6.2E-05	1.5E-05	1.4E-05	1.4E-05	6.0E-06	4.9E-05	6.6E-07	1.7E-06	2.5E-05	
BLADDER WALL	5.2E-05	1.9E-06	6.5E-06	5.1E-06	5.1E-06	5.5E-06	1.7E-06	3.9E-05	1.2E-07	2.1E-05	
BONE (TOTAL)	7.2E-06	7.1E-06	4.5E-05	1.2E-04	8.2E-05	6.9E-06	6.1E-06	5.1E-06	5.9E-06	1.9E-05	
GI (STOM WALL)	6.9E-06	1.3E-04	8.0E-06	4.6E-06	4.6E-06	5.1E-06	7.6E-05	9.4E-07	1.1E-06	2.0E-05	
GI (SI)	9.1E-05	1.4E-05	2.0E-05	6.3E-06	6.3E-06	4.5E-06	1.1E-05	4.3E-06	2.2E-07	2.2E-05	
GI (ULI WALL)	8.6E-05	1.7E-05	1.6E-05	5.7E-06	5.7E-06	4.7E-06	1.1E-05	3.1E-06	2.6E-07	2.2E-05	
GI (LLI WALL)	1.1E-04	4.5E-06	2.4E-05	7.6E-06	7.6E-06	4.9E-06	5.4E-06	2.1E-05	1.7E-07	2.3E-05	
KIDNEYS	8.8E-06	4.7E-05	1.9E-05	7.5E-06	7.5E-06	6.0E-06	6.6E-05	9.9E-07	7.4E-07	2.0E-05	
LIVER	5.1E-06	3.1E-05	8.0E-06	5.7E-06	5.7E-06	5.4E-06	8.4E-06	6.5E-07	1.5E-06	2.0E-05	
LUNGS	1.1E-06	1.8E-05	9.5E-06	7.8E-06	7.8E-06	5.5E-06	1.7E-05	2.0E-07	8.4E-06	1.8E-05	
MARROW (RED)	2.4E-05	1.3E-05	2.7E-04	3.3E-05	1.6E-04	6.4E-06	8.8E-06	4.0E-06	6.5E-06	2.0E-05	
OTH TISS (MUSC)	1.6E-05	1.4E-05	1.0E-05	8.7E-06	8.7E-06	7.4E-06	1.2E-05	1.0E-05	1.1E-05	1.8E-05	
OVARIES	4.9E-02	4.5E-06	2.7E-05	8.0E-06	8.0E-06	3.4E-06	6.3E-06	0.0	2.0E-07	2.1E-05	
PANCREAS	4.5E-06	6.4E-03	1.2E-05	7.8E-06	7.8E-06	4.5E-06	1.5E-04	6.8E-07	1.2E-06	2.1E-05	
SKIN	4.2E-06	4.2E-06	6.0E-06	6.9E-06	6.9E-06	2.0E-04	5.0E-06	1.3E-05	7.1E-06	1.4E-05	
SPLEEN	5.2E-06	1.5E-04	7.0E-06	6.3E-06	6.3E-06	5.2E-06	3.7E-03	9.4E-07	1.2E-06	2.0E-05	
TESTES	0.0	7.6E-07	3.1E-06	5.5E-06	5.5E-06	7.2E-06	8.6E-07	1.6E-02	5.3E-08	2.1E-05	
THYROID	2.0E-07	1.4E-06	6.8E-06	7.2E-06	7.2E-06	6.5E-06	1.3E-06	5.3E-08	2.7E-02	1.8E-05	
UTERUS (NONGRVD)	1.4E-04	4.9E-06	1.4E-05	4.9E-06	4.9E-06	4.8E-06	3.6E-06	0.0	2.0E-07	2.1E-05	
TOTAL BODY	2.2E-05	2.2E-05	1.9E-05	1.8E-05	1.8E-05	1.4E-05	2.0E-05	1.8E-05	1.7E-05	1.8E-05	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 IODINE-125 HALF-LIFE 1.45E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	3.9E-03	3.9E-10	2.7E-07	3.6E-08	9.1E-08	4.8E-09	8.1E-06	2.1E-06	5.6E-07	9.7E-07
BLADDER WALL	4.1E-10	2.0E-04	3.2E-09	4.3E-07	2.9E-07	2.0E-06	2.6E-09	1.4E-09	1.4E-10	7.8E-07
BONE (TOTAL)	1.1E-06	9.0E-08	2.3E-07	4.1E-07	3.8E-07	1.0E-06	5.8E-07	4.5E-07	8.0E-07	2.5E-07
GI (STOM WALL)	4.1E-07	3.3E-09	1.5E-04	1.2E-06	1.8E-06	3.8E-07	6.0E-07	3.2E-07	6.4E-07	6.1E-07
GI (SI)	3.0E-08	3.8E-07	5.1E-07	8.9E-05	1.3E-05	6.6E-06	4.9E-07	2.3E-07	4.0E-09	6.0E-07
GI (ULI WALL)	3.7E-08	2.3E-07	1.3E-06	2.6E-05	1.5E-04	2.7E-06	4.6E-07	6.5E-07	6.5E-09	7.0E-07
GI (LLI WALL)	3.4E-09	2.6E-06	1.4E-07	5.7E-06	1.5E-06	2.3E-04	5.0E-08	2.6E-09	6.9E-10	6.4E-07
KIDNEYS	7.9E-06	2.6E-09	6.1E-07	5.2E-07	4.3E-07	6.8E-08	2.5E-04	1.2E-06	9.3E-08	7.5E-07
LIVER	2.1E-06	2.0E-09	3.0E-07	3.6E-07	5.7E-07	3.3E-09	1.2E-06	5.3E-05	1.1E-06	4.5E-07
LUNGS	7.9E-07	3.6E-11	6.1E-07	5.4E-09	6.4E-09	4.7E-10	9.0E-08	1.3E-06	6.8E-05	8.8E-07
MARROW (RED)	1.7E-06	3.0E-07	2.8E-07	1.6E-06	1.5E-06	4.1E-06	1.5E-06	4.5E-07	9.3E-07	1.3E-06
OTH TISS (MUSC)	9.7E-07	7.8E-07	6.1E-07	6.0E-07	5.5E-07	6.4E-07	7.5E-07	4.5E-07	8.8E-07	2.6E-06
OVARIES	3.2E-09	2.0E-06	2.5E-08	5.2E-06	6.2E-06	1.5E-05	4.2E-08	1.5E-08	7.5E-10	1.1E-06
PANCREAS	2.9E-06	1.1E-09	1.1E-05	1.9E-07	2.1E-07	4.3E-08	1.8E-06	1.3E-06	6.6E-07	1.0E-06
SKIN	1.6E-07	1.3E-07	1.2E-07	5.8E-08	7.2E-08	9.1E-08	2.0E-07	1.3E-07	1.5E-07	5.0E-07
SPLEEN	2.4E-06	7.8E-10	3.9E-06	2.0E-07	1.2E-07	4.7E-08	5.4E-06	6.2E-08	9.9E-07	7.9E-07
TESTES	2.7E-11	1.1E-06	1.6E-10	4.4E-09	4.5E-09	3.3E-07	1.5E-10	9.8E-11	1.2E-11	4.5E-07
THYROID	2.7E-10	3.6E-13	1.7E-10	8.4E-12	1.0E-11	2.0E-12	5.4E-11	2.9E-10	6.1E-08	1.0E-06
UTERUS (NONGRVD)	1.7E-09	8.5E-06	1.6E-08	4.3E-06	1.0E-06	1.7E-06	2.7E-08	7.9E-09	5.7E-10	1.3E-06
TOTAL BODY	1.8E-06	1.3E-06	1.4E-06	1.7E-06	1.5E-06	1.6E-06	1.7E-06	1.8E-06	1.8E-06	1.5E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 IODINE-125 HALF-LIFE 1.45E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	TRA BONE				
								R	M	T		
ADRENALS	3.2E-09	2.9E-06	6.3E-07	3.0E-07	3.0E-07	1.9E-07	2.6E-06	2.7E-11	2.7E-11	2.7E-11	2.7E-11	1.5E-06
BLADDER WALL	2.0E-06	8.8E-10	1.2E-07	2.4E-08	2.4E-08	1.4E-07	9.0E-10	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.7E-06
BONE (TOTAL)	5.9E-07	3.8E-07	4.2E-06	1.5E-05	1.5E-05	7.4E-07	4.5E-07	9.0E-08	9.0E-08	9.0E-08	9.0E-08	2.4E-06
GI (STOM WALL)	4.2E-08	1.3E-05	9.9E-08	8.2E-08	8.2E-08	1.5E-07	4.0E-06	1.9E-10	1.9E-10	1.9E-10	1.9E-10	1.7E-06
GI (SI)	7.7E-06	1.4E-07	5.2E-07	1.3E-07	1.3E-07	6.6E-08	1.2E-07	5.1E-09	5.1E-09	5.1E-09	5.1E-09	1.8E-06
GI (ULI WALL)	9.2E-06	2.1E-07	4.7E-07	1.1E-07	1.1E-07	9.1E-08	1.6E-07	4.8E-09	4.8E-09	4.8E-09	4.8E-09	1.8E-06
GI (LLI WALL)	1.3E-05	2.5E-08	1.1E-06	2.8E-07	2.8E-07	6.8E-08	3.6E-08	5.2E-07	5.2E-07	5.2E-07	5.2E-07	1.8E-06
KIDNEYS	4.4E-08	1.9E-06	3.9E-07	1.4E-07	1.4E-07	2.2E-07	5.3E-06	1.2E-10	1.2E-10	1.2E-10	1.2E-10	1.6E-06
LIVER	2.0E-08	1.2E-06	1.2E-07	1.3E-07	1.3E-07	1.4E-07	4.8E-08	8.2E-11	8.2E-11	8.2E-11	8.2E-11	1.7E-06
LUNGS	2.6E-10	6.6E-07	2.9E-07	2.5E-07	2.5E-07	1.9E-07	9.8E-07	3.6E-12	3.6E-12	3.6E-12	3.6E-12	1.8E-06
MARROW (RED)	2.5E-06	7.0E-07	4.4E-05	6.1E-06	6.1E-06	6.7E-07	4.7E-07	5.2E-08	5.2E-08	5.2E-08	5.2E-08	2.6E-06
OTH TISS (MUSC)	1.1E-06	1.0E-06	3.2E-07	2.5E-07	2.5E-07	5.0E-07	7.9E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	1.5E-06
OVARIES	5.4E-03	8.5E-09	4.7E-07	2.9E-07	2.9E-07	5.8E-08	8.8E-09	0.0	0.0	0.0	0.0	1.7E-06
PANCREAS	7.4E-09	7.9E-04	1.7E-07	1.2E-07	1.2E-07	6.6E-08	1.5E-05	6.6E-11	6.6E-11	6.6E-11	6.6E-11	1.8E-06
SKIN	3.8E-08	4.1E-08	1.7E-07	2.0E-07	2.0E-07	1.9E-05	1.2E-07	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.1E-06
SPLEEN	9.0E-09	1.5E-05	1.2E-07	1.6E-07	1.6E-07	1.2E-07	4.4E-04	5.5E-11	5.5E-11	5.5E-11	5.5E-11	1.8E-06
TESTES	0.0	6.6E-11	2.5E-08	6.1E-08	6.1E-08	8.1E-07	5.5E-11	1.8E-03	1.8E-03	1.8E-03	1.8E-03	1.4E-06
THYROID	1.4E-12	2.4E-10	7.3E-08	1.4E-07	1.4E-07	4.1E-07	1.5E-10	3.9E-14	3.9E-14	3.9E-14	3.9E-14	1.5E-06
UTERUS (NONGRVD)	1.1E-05	9.9E-09	2.3E-07	8.9E-08	8.9E-08	5.1E-08	4.4E-09	0.0	0.0	0.0	0.0	1.7E-06
TOTAL BODY	1.9E-06	1.9E-06	1.8E-06	1.8E-06	1.8E-06	1.2E-06	1.8E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.7E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 IODINE-126 HALF-LIFE 312. HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	2.5E-02	6.9E-07	6.5E-06	3.8E-06	3.1E-06	1.5E-06	3.8E-05	1.5E-05	7.3E-06	4.8E-06
BLADDER WALL	4.3E-07	1.1E-03	1.3E-06	9.0E-06	5.9E-06	1.7E-05	1.2E-06	8.5E-07	2.2E-07	5.5E-06
BONE (TOTAL)	4.4E-06	1.8E-06	1.9E-06	2.5E-06	2.3E-06	3.4E-06	3.1E-06	2.3E-06	3.2E-06	3.3E-06
GI (STOM WALL)	8.8E-06	1.1E-06	8.4E-04	1.0E-05	1.1E-05	5.3E-06	1.0E-05	5.7E-06	5.7E-06	4.3E-06
GI (SI)	2.8E-06	8.0E-06	7.8E-06	5.2E-04	5.1E-05	2.8E-05	8.3E-06	4.8E-06	8.3E-07	4.7E-06
GI (ULI WALL)	3.1E-06	6.7E-06	1.0E-05	7.5E-05	9.0E-04	1.3E-05	8.6E-06	7.6E-06	1.1E-06	5.0E-06
GI (LLI WALL)	9.4E-07	2.1E-05	3.9E-06	2.2E-05	9.5E-06	1.4E-03	2.6E-06	9.0E-07	2.6E-07	5.2E-06
KIDNEYS	3.6E-05	1.1E-06	9.9E-06	9.4E-06	8.3E-06	2.6E-06	1.3E-03	1.1E-05	3.0E-06	4.4E-06
LIVER	1.5E-05	8.3E-07	6.0E-06	5.5E-06	7.5E-06	1.0E-06	1.2E-05	2.7E-04	7.4E-06	3.4E-06
LUNGS	7.2E-06	1.6E-07	5.5E-06	9.8E-07	1.0E-06	3.4E-07	2.8E-06	7.5E-06	3.8E-04	4.2E-06
MARROW (RED)	7.8E-06	3.9E-06	3.2E-06	8.0E-06	6.9E-06	1.1E-05	7.9E-06	3.3E-06	4.0E-06	4.5E-06
OTH TISS (MUSC)	4.8E-06	5.5E-06	4.3E-06	4.7E-06	4.5E-06	5.2E-06	4.4E-06	3.4E-06	4.2E-06	1.7E-05
OVARIES	1.6E-06	1.8E-05	2.2E-06	2.9E-05	3.5E-05	5.3E-05	3.8E-06	1.1E-06	4.6E-07	6.2E-06
PANCREAS	2.6E-05	8.2E-07	5.4E-05	6.1E-06	5.8E-06	2.2E-06	2.0E-05	1.4E-05	7.9E-06	5.6E-06
SKIN	2.1E-06	2.0E-06	1.8E-06	1.6E-06	1.6E-06	1.8E-06	2.0E-06	1.8E-06	2.0E-06	2.8E-06
SPLEEN	1.9E-05	6.6E-07	2.9E-05	4.7E-06	3.8E-06	2.8E-06	2.6E-05	3.1E-06	6.7E-06	4.6E-06
TESTES	2.2E-07	1.5E-05	1.9E-07	1.2E-06	1.5E-06	5.8E-06	4.5E-07	4.3E-07	7.7E-08	3.8E-06
THYROID	5.9E-07	3.1E-08	4.6E-07	1.2E-07	1.3E-07	5.8E-08	2.9E-07	5.8E-07	3.6E-06	4.3E-06
UTERUS (NONGRVD)	2.0E-06	4.6E-05	2.7E-06	2.7E-05	1.4E-05	1.7E-05	2.6E-06	1.3E-06	3.1E-07	6.7E-06
TOTAL BODY	1.0E-05	6.4E-06	7.0E-06	9.9E-06	8.3E-06	8.8E-06	1.0E-05	1.0E-05	9.4E-06	9.3E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 IODINE-126 HALF-LIFE 312. HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY						
	OVARIES		PANCREAS		SKELETON		SKIN		SPLEEN			TESTES		THYROID			
	R	MARROW	CORT	BONE	TRA	BONE	R	MARROW	CORT	BONE		R	MARROW	CORT	BONE	R	MARROW
ADRENALS	1.7E-06	2.5E-05	6.5E-06	5.1E-06	5.1E-06	5.1E-06	2.2E-06	2.2E-06	2.2E-06	1.9E-05	2.2E-07	5.9E-07	1.1E-05				
BLADDER WALL	2.1E-05	5.2E-07	2.4E-06	1.7E-06	1.7E-06	1.7E-06	2.0E-06	2.0E-06	2.0E-06	5.7E-07	1.5E-05	3.2E-08	1.1E-05				
BONE (TOTAL)	3.0E-06	2.9E-06	2.5E-05	7.9E-05	5.4E-05	5.4E-05	2.7E-06	2.7E-06	2.7E-06	2.4E-06	2.0E-06	2.3E-06	9.7E-06				
GI (STOM WALL)	2.4E-06	5.4E-05	3.2E-06	1.7E-06	1.7E-06	1.7E-06	2.0E-06	2.0E-06	2.0E-06	2.9E-05	3.0E-07	3.6E-07	1.0E-05				
GI (SI)	3.7E-05	5.3E-06	8.0E-06	2.4E-06	2.4E-06	2.4E-06	1.7E-06	1.7E-06	1.7E-06	4.2E-06	1.6E-06	4.9E-08	1.1E-05				
GI (ULI WALL)	3.5E-05	6.5E-06	6.1E-06	2.2E-06	2.2E-06	2.2E-06	1.8E-06	1.8E-06	1.8E-06	4.1E-06	1.0E-06	5.7E-08	1.1E-05				
GI (LLI WALL)	4.5E-05	1.6E-06	9.2E-06	3.0E-06	3.0E-06	3.0E-06	1.8E-06	1.8E-06	1.8E-06	2.0E-06	8.1E-06	4.9E-08	1.1E-05				
KIDNEYS	3.3E-06	1.9E-05	7.1E-06	2.9E-06	2.9E-06	2.9E-06	2.3E-06	2.3E-06	2.3E-06	2.6E-05	3.2E-07	2.0E-07	1.0E-05				
LIVER	1.8E-06	1.2E-05	3.0E-06	2.1E-06	2.1E-06	2.1E-06	2.0E-06	2.0E-06	2.0E-06	3.2E-06	1.9E-07	4.9E-07	1.0E-05				
LUNGS	3.5E-07	7.2E-06	3.7E-06	3.0E-06	3.0E-06	3.0E-06	2.1E-06	2.1E-06	2.1E-06	6.7E-06	5.3E-08	3.2E-06	9.5E-06				
MARROW (RED)	1.0E-05	5.4E-06	1.9E-04	1.3E-05	9.4E-05	9.4E-05	2.5E-06	2.5E-06	2.5E-06	3.6E-06	1.6E-06	2.5E-06	1.0E-05				
OTH TISS (MUSC)	6.2E-06	5.6E-06	3.9E-06	3.3E-06	3.3E-06	3.3E-06	2.8E-06	2.8E-06	2.8E-06	4.6E-06	3.8E-06	4.3E-06	9.3E-06				
OVARIES	3.3E-02	1.6E-06	9.6E-05	3.1E-06	3.1E-06	3.1E-06	1.2E-06	1.2E-06	1.2E-06	2.6E-06	0.0	5.8E-08	9.9E-06				
PANCREAS	1.9E-06	4.1E-03	4.7E-06	2.8E-06	2.8E-06	2.8E-06	1.7E-06	1.7E-06	1.7E-06	6.0E-05	1.8E-07	2.2E-07	1.0E-05				
SKIN	1.6E-06	1.5E-06	2.3E-06	2.6E-06	2.6E-06	2.6E-06	1.4E-04	1.4E-04	1.4E-04	1.9E-06	5.0E-06	2.7E-06	7.6E-06				
SPLEEN	2.0E-06	6.0E-05	2.6E-06	2.5E-06	2.5E-06	2.5E-06	2.1E-06	2.1E-06	2.1E-06	2.3E-03	3.0E-07	4.4E-07	1.0E-05				
TESTES	0.0	2.4E-07	1.2E-06	1.8E-06	1.8E-06	1.8E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-07	1.1E-02	1.2E-08	1.0E-05				
THYROID	5.8E-08	4.4E-07	2.7E-06	2.9E-06	2.9E-06	2.9E-06	2.5E-06	2.5E-06	2.5E-06	4.4E-07	1.2E-08	1.8E-02	9.3E-06				
UTERUS (NONGRVD)	5.6E-05	1.9E-06	5.6E-06	2.0E-06	2.0E-06	2.0E-06	1.8E-06	1.8E-06	1.8E-06	1.5E-06	0.0	5.5E-08	1.1E-05				
TOTAL BODY	1.1E-05	1.1E-05	9.8E-06	9.3E-06	9.3E-06	9.3E-06	7.6E-06	7.6E-06	7.6E-06	1.0E-05	9.2E-06	8.9E-06	9.3E-06				

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 IODINE-129 HALF-LIFE 1.38E 11 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			LIVER	LUNGS	OTHER TISSUE (MUSCLE)		
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				LLI CONTENTS	
ADRENALS	1.0E-02	6.7E-10	2.2E-07	3.4E-08	7.2E-08	5.6E-09	4.8E-06	1.4E-06	3.9E-07	5.5E-07
BLADDER WALL	7.0E-10	3.9E-04	4.0E-09	3.2E-07	2.2E-07	1.4E-06	2.8E-09	1.6E-09	2.7E-10	5.0E-07
BONE (TOTAL)	7.5E-07	7.5E-08	1.7E-07	2.9E-07	2.6E-07	6.8E-07	4.0E-07	3.1E-07	5.4E-07	1.6E-07
GI (STOM WALL)	3.1E-07	3.8E-09	3.0E-04	7.6E-07	1.1E-06	2.7E-07	4.5E-07	2.3E-07	4.2E-07	4.0E-07
GI (SI)	2.7E-08	3.0E-07	3.7E-07	1.9E-04	7.6E-06	4.0E-06	3.6E-07	1.7E-07	4.0E-09	3.8E-07
GI (ULI WALL)	3.4E-08	1.8E-07	8.5E-07	1.4E-05	3.3E-04	1.6E-06	3.5E-07	4.6E-07	6.1E-09	4.3E-07
GI (LLI WALL)	3.8E-09	1.8E-06	1.1E-07	3.2E-06	9.3E-07	5.3E-04	4.0E-08	2.9E-09	7.5E-10	4.1E-07
KIDNEYS	4.7E-06	3.2E-09	4.6E-07	3.9E-07	3.3E-07	5.4E-08	4.9E-04	8.3E-07	7.2E-08	4.5E-07
LIVER	1.4E-06	2.3E-09	2.3E-07	2.5E-07	4.1E-07	3.8E-09	8.2E-07	9.0E-05	7.2E-07	2.9E-07
LUNGS	5.4E-07	6.9E-11	4.2E-07	5.2E-09	6.4E-09	7.1E-10	7.1E-08	8.4E-07	1.5E-04	5.1E-07
MARROW (RED)	1.2E-06	2.4E-07	2.1E-07	1.1E-06	1.0E-06	2.7E-06	1.1E-06	3.1E-07	6.4E-07	8.2E-07
OTH TISS (MUSC)	5.5E-07	5.0E-07	4.0E-07	3.8E-07	3.6E-07	4.1E-07	4.5E-07	2.9E-07	5.1E-07	5.4E-06
OVARIES	4.3E-09	1.5E-06	2.5E-08	3.3E-06	3.8E-06	8.9E-06	4.1E-08	1.5E-08	1.3E-09	6.4E-07
PANCREAS	2.0E-06	1.8E-09	7.1E-06	1.5E-07	1.7E-07	3.5E-08	1.3E-06	8.9E-07	4.8E-07	6.2E-07
SKIN	1.1E-07	9.1E-08	8.1E-08	4.3E-08	5.3E-08	6.3E-08	1.3E-07	8.6E-08	1.0E-07	2.8E-07
SPLEEN	1.7E-06	1.2E-09	2.7E-06	1.5E-07	1.0E-07	4.2E-08	3.4E-06	5.2E-08	6.5E-07	4.8E-07
TESTES	5.4E-11	8.5E-07	3.0E-10	4.7E-09	4.8E-09	2.5E-07	2.8E-10	1.8E-10	2.5E-11	3.0E-07
THYROID	4.8E-10	7.8E-13	3.2E-10	1.8E-11	2.1E-11	4.3E-12	1.1E-10	4.9E-10	4.9E-08	5.9E-07
UTERUS (NONGRVD)	2.0E-09	5.6E-06	1.6E-08	2.9E-06	7.9E-07	1.2E-06	2.4E-08	8.4E-09	1.0E-09	7.5E-07
TOTAL BODY	2.6E-06	9.1E-07	1.3E-06	2.3E-06	1.6E-06	1.9E-06	2.6E-06	2.6E-06	2.6E-06	2.4E-06

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(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 IODINE-129 HALF-LIFE 1.38E 11 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	4.3E-09	2.1E-06	3.8E-07	1.8E-07	1.8E-07	1.2E-07	1.7E-06	5.4E-11	4.8E-10	2.4E-06	2.4E-06
BLADDER WALL	1.4E-06	1.2E-09	9.2E-08	2.1E-08	2.1E-08	9.9E-08	1.4E-09	9.3E-07	8.0E-13	2.5E-06	2.5E-06
BONE (TOTAL)	4.2E-07	2.8E-07	3.6E-06	3.0E-05	2.8E-05	4.6E-07	3.1E-07	7.5E-08	1.7E-07	3.0E-06	3.0E-06
GI (STOM WALL)	3.6E-08	8.0E-06	7.5E-08	5.8E-08	5.8E-08	1.1E-07	2.8E-06	3.4E-10	1.0E-09	2.5E-06	2.5E-06
GI (SI)	4.8E-06	1.2E-07	3.6E-07	9.4E-08	9.4E-08	4.9E-08	9.4E-08	6.2E-09	1.8E-11	2.6E-06	2.6E-06
GI (ULI WALL)	5.2E-06	1.7E-07	3.2E-07	7.8E-08	7.8E-08	6.5E-08	1.3E-07	5.5E-09	2.1E-11	2.6E-06	2.6E-06
GI (LLI WALL)	7.3E-06	2.3E-08	6.9E-07	1.8E-07	1.8E-07	5.0E-08	3.1E-08	3.8E-07	3.3E-12	2.6E-06	2.6E-06
KIDNEYS	3.8E-08	1.3E-06	2.8E-07	1.0E-07	1.0E-07	1.5E-07	3.4E-06	2.1E-10	1.1E-10	2.5E-06	2.5E-06
LIVER	1.8E-08	8.8E-07	8.8E-08	9.0E-08	9.0E-08	9.5E-08	4.2E-08	1.5E-10	1.0E-09	2.6E-06	2.6E-06
LUNGS	4.7E-10	4.8E-07	2.0E-07	1.7E-07	1.7E-07	1.3E-07	6.5E-07	7.5E-12	7.6E-08	2.6E-06	2.6E-06
MARROW (RED)	1.8E-06	5.1E-07	9.4E-05	3.4E-06	3.4E-06	4.1E-07	3.4E-07	4.6E-08	1.6E-07	3.1E-06	3.1E-06
OTH TISS (MUSC)	6.4E-07	6.2E-07	2.1E-07	1.6E-07	1.6E-07	2.8E-07	4.8E-07	3.0E-07	5.9E-07	2.4E-06	2.4E-06
OVARIES	1.3E-02	1.0E-08	3.4E-07	2.0E-07	2.0E-07	4.5E-08	1.0E-08	0.0	3.0E-12	2.6E-06	2.6E-06
PANCREAS	7.9E-09	1.5E-03	1.3E-07	8.2E-08	8.2E-08	4.9E-08	9.4E-06	1.3E-10	4.3E-10	2.6E-06	2.6E-06
SKIN	3.0E-08	3.3E-08	1.1E-07	1.2E-07	1.2E-07	5.3E-05	8.2E-08	7.0E-07	2.7E-07	2.2E-06	2.2E-06
SPLEEN	9.5E-09	9.1E-06	8.7E-08	1.1E-07	1.1E-07	8.6E-08	8.5E-04	1.1E-10	6.0E-10	2.6E-06	2.6E-06
TESTES	0.0	1.3E-10	2.0E-08	4.7E-08	4.7E-08	4.7E-07	1.1E-10	4.1E-03	8.3E-14	2.4E-06	2.4E-06
THYROID	3.0E-12	4.3E-10	5.4E-08	1.0E-07	1.0E-07	2.6E-07	2.8E-10	8.4E-14	7.1E-03	2.4E-06	2.4E-06
UTERUS (NONGRVD)	7.4E-06	1.0E-08	1.8E-07	6.5E-08	6.5E-08	3.9E-08	5.3E-09	0.0	2.6E-12	2.6E-06	2.6E-06
TOTAL BODY	2.7E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.3E-06	2.6E-06	2.4E-06	2.5E-06	2.5E-06	2.5E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 IODINE-130 HALF-LIFE 12.5 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	5.3E-02	3.7E-06	3.3E-05	1.9E-05	1.7E-05	7.6E-06	1.9E-04	7.5E-05	3.7E-05	2.4E-05
BLADDER WALL	2.5E-06	2.7E-03	7.2E-06	4.6E-05	3.0E-05	8.4E-05	6.4E-06	4.5E-06	1.2E-06	2.7E-05
BONE (TOTAL)	2.1E-05	8.9E-06	9.2E-06	1.2E-05	1.1E-05	1.6E-05	1.5E-05	1.1E-05	1.5E-05	1.7E-05
GI (STOM WALL)	4.5E-05	6.1E-06	2.1E-03	5.3E-05	5.5E-05	2.6E-05	5.1E-05	2.9E-05	2.9E-05	2.2E-05
GI (SI)	1.5E-05	4.1E-05	4.0E-05	1.3E-03	2.5E-04	1.4E-04	4.2E-05	2.4E-05	4.5E-06	2.4E-05
GI (ULI WALL)	1.7E-05	3.4E-05	4.9E-05	3.5E-04	2.1E-03	6.3E-05	4.4E-05	3.8E-05	6.1E-06	2.5E-05
GI (LLI WALL)	5.0E-06	1.1E-04	2.0E-05	1.0E-04	4.7E-05	3.1E-03	1.4E-05	4.8E-06	1.3E-06	2.6E-05
KIDNEYS	1.7E-04	5.9E-06	5.0E-05	4.9E-05	4.3E-05	1.3E-05	3.2E-03	5.7E-05	1.6E-05	2.2E-05
LIVER	7.4E-05	4.5E-06	3.1E-05	2.8E-05	3.8E-05	5.6E-06	6.0E-05	7.4E-04	3.7E-05	1.7E-05
LUNGS	3.6E-05	9.3E-07	2.8E-05	5.3E-06	5.7E-06	1.9E-06	1.5E-05	3.7E-05	8.6E-04	2.1E-05
MARROW (RED)	3.7E-05	1.9E-05	1.6E-05	3.8E-05	3.2E-05	4.7E-05	3.8E-05	1.6E-05	1.9E-05	2.1E-05
OTH TISS (MUSC)	2.4E-05	2.7E-05	2.2E-05	2.4E-05	2.3E-05	2.6E-05	2.2E-05	1.7E-05	2.1E-05	4.6E-05
OVARIES	8.3E-06	8.8E-05	1.3E-05	1.4E-04	1.7E-04	2.5E-04	2.0E-05	6.0E-06	2.5E-06	3.0E-05
PANCREAS	1.3E-04	4.2E-06	2.6E-04	3.2E-05	2.9E-05	1.1E-05	1.0E-04	7.0E-05	4.0E-05	2.7E-05
SKIN	1.1E-05	1.0E-05	9.3E-06	8.5E-06	8.6E-06	9.3E-06	1.0E-05	9.4E-06	1.1E-05	1.4E-05
SPLEEN	9.7E-05	3.6E-06	1.5E-04	2.4E-05	2.0E-05	1.5E-05	1.3E-04	1.6E-05	3.3E-05	2.3E-05
TESTES	1.2E-06	7.7E-05	1.1E-06	6.5E-06	8.2E-06	2.9E-05	2.4E-06	2.5E-06	4.4E-07	1.9E-05
THYROID	3.2E-06	1.9E-07	2.5E-06	7.0E-07	7.5E-07	3.3E-07	1.6E-06	3.0E-06	1.9E-05	2.1E-05
UTERUS (NONGRVD)	7.1E-06	2.3E-04	1.4E-05	1.3E-04	7.0E-05	8.6E-05	1.3E-05	6.6E-06	1.7E-06	3.3E-05
TOTAL BODY	3.5E-05	3.0E-05	3.0E-05	3.7E-05	3.4E-05	3.4E-05	3.5E-05	3.5E-05	3.1E-05	3.1E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 IODINE-130 HALF-LIFE 12.5 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE TRA	BONE						
ADRENALS	9.1E-06	1.2E-04	3.3E-05	2.7E-05	2.7E-05	1.1E-05	9.8E-05	1.2E-06	3.2E-06	4.2E-05	
BLADDER WALL	1.0E-04	2.7E-06	1.3E-05	9.1E-06	9.1E-06	1.1E-05	3.3E-06	7.9E-05	1.9E-07	3.8E-05	
BONE (TOTAL)	1.4E-05	1.4E-05	6.7E-05	1.8E-04	1.3E-04	1.3E-05	1.2E-05	1.0E-05	1.2E-05	3.2E-05	
GI (STOM WALL)	1.3E-05	2.6E-04	1.6E-05	8.8E-06	8.8E-06	1.0E-05	1.5E-04	1.6E-06	2.0E-06	3.6E-05	
GI (SI)	1.8E-04	2.7E-05	4.1E-05	1.3E-05	1.3E-05	8.8E-06	2.1E-05	8.3E-06	3.0E-07	3.9E-05	
GI (ULI WALL)	1.7E-04	3.3E-05	3.1E-05	1.1E-05	1.1E-05	9.4E-06	2.2E-05	5.5E-06	3.5E-07	3.9E-05	
GI (LLI WALL)	2.1E-04	8.5E-06	4.7E-05	1.5E-05	1.5E-05	9.7E-06	1.0E-05	4.1E-05	2.8E-07	3.9E-05	
KIDNEYS	1.7E-05	9.4E-05	3.7E-05	1.6E-05	1.6E-05	1.2E-05	1.3E-04	1.8E-06	1.2E-06	3.6E-05	
LIVER	9.7E-06	6.2E-05	1.6E-05	1.1E-05	1.1E-05	1.0E-05	1.7E-05	1.1E-06	2.7E-06	3.6E-05	
LUNGS	2.0E-06	3.6E-05	1.9E-05	1.5E-05	1.5E-05	1.1E-05	3.3E-05	3.1E-07	1.7E-05	3.2E-05	
MARROW (RED)	4.7E-05	2.6E-05	4.2E-04	5.1E-05	2.1E-04	1.2E-05	1.7E-05	8.1E-06	1.3E-05	3.4E-05	
OTH TISS (MUSC)	3.0E-05	2.7E-05	2.0E-05	1.7E-05	1.7E-05	1.4E-05	2.3E-05	1.9E-05	2.1E-05	3.1E-05	
OVARIES	7.0E-02	9.2E-06	5.1E-05	1.6E-05	1.6E-05	6.4E-06	1.4E-05	0.0	3.4E-07	3.3E-05	
PANCREAS	1.0E-05	9.6E-03	2.4E-05	1.5E-05	1.5E-05	8.6E-06	2.9E-04	9.7E-07	1.2E-06	3.5E-05	
SKIN	8.4E-06	8.2E-06	1.2E-05	1.3E-05	1.3E-05	2.8E-04	9.9E-06	2.4E-05	1.4E-05	2.3E-05	
SPLEEN	1.0E-05	2.9E-04	1.4E-05	1.3E-05	1.3E-05	1.1E-05	5.5E-03	1.7E-06	2.4E-06	3.6E-05	
TESTES	0.0	1.3E-06	6.6E-06	9.4E-06	9.4E-06	1.3E-05	1.6E-06	2.4E-02	7.4E-08	3.7E-05	
THYROID	3.4E-07	2.2E-06	1.4E-05	1.4E-05	1.4E-05	1.2E-05	2.4E-06	7.4E-06	3.9E-02	3.2E-05	
UTERUS (NONGRVD)	2.7E-04	9.6E-06	2.8E-05	1.1E-05	1.1E-05	9.8E-06	7.9E-06	0.0	3.2E-07	3.9E-05	
TOTAL BODY	4.0E-05	3.9E-05	3.4E-05	3.1E-05	3.1E-05	2.3E-05	3.5E-05	3.1E-05	2.9E-05	3.1E-05	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 IODINE-131 HALF-LIFE 193. HOURS

TARGET ORGANS	SOURCE ORGANS							OTHER TISSUE (MUSCLE)		
	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT CONTENTS			KIDNEYS	LIVER		LUNGS	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS	LLI CONTENTS				
ADRENALS	3.1E-02	6.1E-07	6.3E-06	3.9E-06	2.7E-06	1.4E-06	3.2E-05	1.4E-05	6.9E-06	4.2E-06
BLADDER WALL	3.3E-07	1.2E-03	1.0E-06	8.5E-06	5.6E-06	1.7E-05	1.0E-06	7.4E-07	1.8E-07	5.0E-06
BONE (TOTAL)	4.1E-06	1.8E-06	1.8E-06	2.5E-06	2.2E-06	3.2E-06	3.0E-06	2.3E-06	3.0E-06	3.0E-06
GI (STOM WALL)	8.2E-06	8.8E-07	9.7E-04	9.9E-06	1.0E-05	5.0E-06	9.4E-06	5.4E-06	5.2E-06	3.9E-06
GI (SI)	2.6E-06	7.6E-06	7.3E-06	6.0E-04	4.6E-05	2.6E-05	7.8E-06	4.6E-06	6.9E-07	4.4E-06
GI (ULI WALL)	2.8E-06	6.6E-06	9.5E-06	6.5E-05	1.1E-03	1.2E-05	8.1E-06	7.0E-06	9.1E-07	4.6E-06
GI (LLI WALL)	8.4E-07	2.0E-05	3.6E-06	1.9E-05	8.4E-06	1.7E-03	2.4E-06	8.1E-07	2.6E-07	4.8E-06
KIDNEYS	3.2E-05	9.6E-07	9.5E-06	8.7E-06	7.7E-06	2.5E-06	1.5E-03	1.1E-05	2.7E-06	4.0E-06
LIVER	1.4E-05	7.2E-07	5.6E-06	5.1E-06	7.1E-06	9.0E-07	1.1E-05	3.0E-04	6.8E-06	3.1E-06
LUNGS	6.7E-06	1.1E-07	5.0E-06	8.5E-07	8.9E-07	2.8E-07	2.5E-06	6.8E-06	4.5E-04	3.7E-06
MARROW (RED)	7.5E-06	4.1E-06	3.2E-06	7.9E-06	6.9E-06	9.7E-06	7.6E-06	3.3E-06	3.8E-06	4.1E-06
OTH TISS (MUSC)	4.2E-06	5.0E-06	3.9E-06	4.4E-06	4.1E-06	4.8E-06	4.0E-06	3.1E-06	3.7E-06	1.9E-05
OVARIES	1.6E-06	1.9E-05	1.4E-06	2.7E-05	3.4E-05	5.0E-05	3.4E-06	9.6E-07	4.0E-07	5.6E-06
PANCREAS	2.4E-05	7.9E-07	5.0E-05	5.8E-06	5.8E-06	2.0E-06	1.8E-05	1.2E-05	7.5E-06	5.0E-06
SKIN	1.8E-06	1.7E-06	1.5E-06	1.4E-06	1.4E-06	1.6E-06	1.8E-06	1.6E-06	1.8E-06	2.4E-06
SPLEEN	1.8E-05	5.6E-07	2.7E-05	4.4E-06	3.7E-06	2.5E-06	2.4E-05	2.7E-06	6.2E-06	4.1E-06
TESTES	1.7E-07	1.4E-05	1.3E-07	1.0E-06	1.2E-06	5.7E-06	3.9E-07	3.0E-07	5.7E-08	3.4E-06
THYROID	5.2E-07	2.1E-08	3.9E-07	9.5E-08	1.0E-07	4.1E-08	2.4E-07	5.7E-07	3.0E-06	3.8E-06
UTERUS (NONGRVD)	3.4E-06	4.3E-05	2.4E-06	2.5E-05	1.3E-05	1.7E-05	2.6E-06	1.2E-06	2.7E-07	5.9E-06
TOTAL BODY	1.1E-05	5.9E-06	6.7E-06	1.0E-05	8.2E-06	8.8E-06	1.1E-05	1.1E-05	9.9E-06	9.8E-06

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.
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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 IODINE-131 HALF-LIFE 193. HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	1.4E-06	2.3E-05	6.1E-06	4.3E-06	4.3E-06	2.1E-06	1.8E-05	1.7E-07	5.2E-07	1.2E-05	1.2E-05
BLADDER WALL	1.9E-05	5.0E-07	2.1E-06	1.6E-06	1.6E-06	1.7E-06	4.5E-07	1.4E-05	2.1E-08	1.1E-05	1.1E-05
BONE (TOTAL)	2.9E-06	2.8E-06	2.5E-05	9.2E-05	6.5E-05	2.4E-06	2.3E-06	2.0E-06	2.2E-06	1.0E-05	1.0E-05
GI (STOM WALL)	2.3E-06	5.0E-05	2.9E-06	1.6E-06	1.6E-06	1.7E-06	2.7E-05	2.5E-07	2.6E-07	1.1E-05	1.1E-05
GI (SI)	3.3E-05	5.1E-06	7.4E-06	2.2E-06	2.2E-06	1.5E-06	3.9E-06	1.4E-06	3.4E-08	1.1E-05	1.1E-05
GI (ULI WALL)	3.1E-05	6.1E-06	5.8E-06	2.0E-06	2.0E-06	1.5E-06	3.7E-06	9.7E-07	3.5E-08	1.1E-05	1.1E-05
GI (LLI WALL)	4.0E-05	1.5E-06	8.4E-06	2.8E-06	2.8E-06	1.6E-06	1.9E-06	7.8E-06	3.4E-08	1.1E-05	1.1E-05
KIDNEYS	3.0E-06	1.8E-05	6.5E-05	2.6E-06	2.6E-06	2.0E-06	2.4E-05	2.4E-07	1.4E-07	1.1E-05	1.1E-05
LIVER	1.7E-06	1.2E-05	2.8E-06	1.9E-06	1.9E-06	1.8E-06	3.0E-06	1.4E-07	4.0E-07	1.1E-05	1.1E-05
LUNGS	2.7E-07	6.8E-06	3.4E-06	2.8E-06	2.8E-06	1.9E-06	6.2E-06	4.0E-08	2.9E-06	1.0E-05	1.0E-05
MARROW (RED)	9.8E-06	5.4E-06	2.3E-04	1.0E-05	1.0E-04	2.3E-06	3.5E-06	1.6E-06	2.4E-06	1.1E-05	1.1E-05
OTH TISS (MUSC)	5.6E-06	5.0E-06	3.6E-06	3.0E-06	3.0E-06	2.4E-06	4.1E-06	3.4E-06	3.8E-06	9.8E-06	9.8E-06
OVARIES	3.9E-02	1.1E-06	8.4E-06	2.6E-06	2.6E-06	1.1E-06	2.4E-06	0.0	4.1E-08	1.1E-05	1.1E-05
PANCREAS	1.5E-06	4.7E-03	4.6E-05	2.8E-06	2.8E-06	1.6E-06	5.4E-05	1.6E-07	2.4E-07	1.1E-05	1.1E-05
SKIN	1.4E-06	1.4E-06	2.0E-06	2.3E-06	2.3E-06	1.6E-04	1.6E-06	4.3E-06	2.4E-06	8.3E-06	8.3E-06
SPLEEN	1.8E-06	5.4E-05	2.4E-06	2.2E-06	2.2E-06	1.8E-06	2.6E-03	2.3E-07	3.6E-07	1.1E-05	1.1E-05
TESTES	0.0	2.0E-07	1.1E-06	1.7E-06	1.7E-06	2.5E-06	2.4E-07	1.3E-02	7.2E-09	1.0E-05	1.0E-05
THYROID	4.1E-08	4.7E-07	2.3E-06	2.8E-06	2.8E-06	2.3E-06	3.8E-07	7.2E-09	2.2E-02	9.7E-06	9.7E-06
UTERUS (NONGRVD)	5.4E-05	1.8E-06	5.8E-06	1.7E-06	1.7E-06	1.4E-06	1.2E-06	0.0	3.8E-08	1.1E-05	1.1E-05
TOTAL BODY	1.2E-05	1.1E-05	1.0E-05	9.9E-06	9.9E-06	8.3E-06	1.1E-05	9.8E-06	9.5E-06	9.9E-06	9.9E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 IODINE-132 HALF-LIFE 2.38 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	STOMACH CONTENTS	SI CONTENTS	INTESTINAL TRACT CONTENTS	ULI CONTENTS	LLI CONTENTS	KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
ADRENALS	8.3E-02	4.0E-06	3.7E-05	2.0E-05	1.8E-05	8.1E-06	2.0E-04	7.8E-05	3.8E-05	2.5E-05	
BLADDER WALL	3.1E-06	3.8E-03	7.7E-06	4.6E-05	3.2E-05	8.8E-05	7.0E-06	4.4E-06	1.4E-06	2.9E-05	
BONE (TOTAL)	2.2E-05	9.2E-06	9.6E-06	1.3E-05	1.1E-05	1.7E-05	1.6E-05	1.2E-05	1.6E-05	1.8E-05	
GI (STOM WALL)	4.7E-05	7.1E-06	2.9E-03	5.6E-05	5.7E-05	2.7E-05	5.3E-05	3.1E-05	3.1E-05	2.3E-05	
GI (SI)	1.6E-05	4.3E-05	4.2E-05	1.8E-03	2.6E-04	1.4E-04	4.5E-05	2.6E-05	5.0E-06	2.5E-05	
GI (ULI WALL)	1.8E-05	3.5E-05	5.2E-05	3.6E-04	3.1E-03	6.6E-05	4.6E-05	4.0E-05	6.6E-06	2.6E-05	
GI (LLI WALL)	5.2E-06	1.1E-04	2.2E-05	1.1E-04	5.0E-05	4.7E-03	1.5E-05	5.0E-06	1.4E-06	2.7E-05	
KIDNEYS	1.8E-04	6.3E-06	5.3E-05	5.1E-05	4.5E-05	1.5E-05	4.6E-03	6.0E-05	1.7E-05	2.3E-05	
LIVER	7.7E-05	4.9E-06	3.2E-05	3.0E-05	4.0E-05	6.2E-06	6.3E-05	9.9E-04	3.8E-05	1.8E-05	
LUNGS	3.8E-05	1.1E-06	2.9E-05	5.6E-06	6.3E-06	2.3E-06	1.6E-05	3.9E-05	1.3E-03	2.2E-05	
MARROW (RED)	3.9E-05	1.9E-05	1.6E-05	3.9E-05	3.3E-05	4.9E-05	4.0E-05	1.7E-05	2.0E-05	2.2E-05	
OTH TISS (MUSC)	2.5E-05	2.9E-05	2.3E-05	2.5E-05	2.4E-05	2.7E-05	2.3E-05	1.8E-05	2.2E-05	6.2E-05	
OVARIES	8.4E-06	8.9E-05	1.6E-05	1.5E-04	1.6E-04	2.6E-04	2.2E-05	8.4E-06	2.7E-06	3.2E-05	
PANCREAS	1.4E-04	4.6E-06	2.7E-04	3.3E-05	3.2E-05	1.2E-05	1.1E-04	7.2E-05	4.0E-05	2.9E-05	
SKIN	1.2E-05	1.1E-05	1.0E-05	9.2E-06	9.2E-06	1.0E-05	1.1E-05	1.0E-05	1.1E-05	1.5E-05	
SPLEEN	1.0E-04	4.0E-06	1.5E-04	2.6E-05	2.1E-05	1.6E-05	1.3E-04	1.7E-05	3.5E-05	2.4E-05	
TESTES	1.4E-06	7.9E-05	1.7E-06	7.6E-06	8.8E-06	2.9E-05	2.7E-06	3.0E-06	5.2E-07	2.0E-05	
THYROID	3.5E-06	2.3E-07	2.7E-06	8.1E-07	8.6E-07	4.0E-07	1.8E-06	3.2E-06	2.1E-05	2.2E-05	
UTERUS (NONGRVD)	7.3E-06	2.3E-04	1.5E-05	1.4E-04	7.5E-05	9.0E-05	1.4E-05	7.2E-06	2.1E-06	3.6E-05	
TOTAL BODY	4.2E-05	3.2E-05	3.3E-05	4.3E-05	3.8E-05	3.9E-05	4.2E-05	4.3E-05	3.8E-05	3.9E-05	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 IODINE-132 HALF-LIFE 2.38 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	9.5E-05	1.2E-04	3.8E-05	2.9E-05	2.9E-05	1.2E-05	1.1E-04	1.4E-06	3.5E-06	3.5E-06	5.0E-05
BLADDER WALL	1.1E-04	3.0E-06	1.5E-05	9.3E-06	9.3E-06	1.2E-05	4.1E-06	8.3E-05	2.4E-07	2.4E-07	4.6E-05
BONE (TOTAL)	1.5E-05	1.5E-05	9.4E-05	2.7E-04	1.8E-04	1.4E-05	1.2E-05	1.1E-05	1.2E-05	1.2E-05	3.9E-05
GI (STOM WALL)	1.3E-05	2.7E-04	1.8E-05	9.3E-06	9.3E-06	1.1E-05	1.5E-04	1.7E-06	2.3E-06	2.3E-06	4.3E-05
GI (SI)	1.8E-04	2.9E-05	4.2E-05	1.3E-05	1.3E-05	9.5E-06	2.3E-05	8.9E-06	4.5E-07	4.5E-07	4.7E-05
GI (ULI WALL)	1.7E-04	3.5E-05	3.2E-05	1.2E-05	1.2E-05	1.0E-05	2.3E-05	6.2E-06	5.2E-07	5.2E-07	4.6E-05
GI (LLI WALL)	2.2E-04	9.2E-06	4.9E-05	1.6E-05	1.6E-05	1.0E-05	1.1E-05	4.2E-05	3.4E-07	3.4E-07	4.7E-05
KIDNEYS	1.8E-05	9.8E-05	3.9E-05	1.7E-05	1.7E-05	1.3E-05	1.3E-04	2.1E-06	1.5E-06	1.5E-06	4.4E-05
LIVER	1.0E-05	6.5E-05	1.7E-05	1.2E-05	1.2E-05	1.1E-05	1.8E-05	1.4E-06	3.0E-06	3.0E-06	4.4E-05
LUNGS	2.3E-06	3.8E-05	2.0E-05	1.6E-05	1.6E-05	1.1E-05	3.5E-05	4.0E-07	1.8E-05	1.8E-05	3.9E-05
MARROW (RED)	4.8E-05	2.7E-05	6.0E-04	6.1E-05	3.4E-04	1.3E-05	1.8E-05	8.5E-06	1.3E-05	1.3E-05	4.1E-05
OTH TISS (MUSC)	3.2E-05	2.9E-05	2.1E-05	1.8E-05	1.8E-05	1.5E-05	2.4E-05	2.0E-05	2.2E-05	2.2E-05	3.9E-05
OVARIES	1.1E-01	1.1E-05	5.2E-05	1.7E-05	1.7E-05	7.7E-06	1.3E-05	0.0	4.1E-07	4.1E-07	4.1E-05
PANCREAS	1.2E-05	1.4E-02	2.3E-05	1.6E-05	1.6E-05	8.9E-06	3.0E-04	1.3E-06	1.6E-06	1.6E-06	4.3E-05
SKIN	9.0E-06	8.8E-06	1.2E-05	1.4E-05	1.4E-05	4.4E-04	1.1E-05	2.6E-05	1.5E-05	1.5E-05	3.0E-05
SPLEEN	1.1E-05	3.0E-04	1.5E-05	1.4E-05	1.4E-05	1.2E-05	7.9E-03	1.6E-06	2.8E-06	2.8E-06	4.3E-05
TESTES	0.0	1.6E-06	6.8E-06	1.1E-05	1.1E-05	1.5E-05	1.8E-06	3.6E-02	9.8E-08	9.8E-08	4.4E-05
THYROID	4.1E-07	2.0E-06	1.5E-05	1.4E-05	1.4E-05	1.3E-05	2.7E-06	9.8E-08	6.0E-02	6.0E-02	3.9E-05
UTERUS (NONGRVD)	2.8E-04	1.0E-05	2.8E-05	1.2E-05	1.2E-05	1.1E-05	8.5E-06	0.0	3.9E-07	3.9E-07	4.8E-05
TOTAL BODY	4.7E-05	4.6E-05	4.1E-05	3.8E-05	3.8E-05	3.0E-05	4.2E-05	3.8E-05	3.6E-05	3.6E-05	3.8E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 IODINE-133 HALF-LIFE 20.8 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT CONTENTS			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	6.5E-02	1.0E-06	9.3E-06	5.2E-06	4.5E-06	2.1E-06	2.1E-05	1.0E-05	6.5E-06
BLADDER WALL	5.9E-07	2.5E-03	2.0E-06	1.4E-05	8.2E-06	2.4E-05	1.4E-06	3.4E-07	7.6E-06
BONE (TOTAL)	5.8E-06	2.5E-06	2.6E-06	3.3E-06	3.1E-06	4.4E-06	3.1E-06	4.3E-06	4.8E-06
GI (STOM WALL)	1.3E-05	1.6E-06	2.0E-03	1.5E-05	1.5E-05	7.5E-06	8.1E-06	7.9E-06	6.0E-06
GI (SI)	4.1E-06	1.1E-05	1.1E-05	1.2E-03	6.9E-05	3.8E-05	6.8E-06	1.2E-06	6.6E-06
GI (ULI WALL)	4.5E-06	9.8E-06	1.4E-05	9.7E-05	2.2E-03	1.8E-05	1.1E-05	1.7E-06	7.0E-06
GI (LLI WALL)	1.5E-06	3.0E-05	5.5E-06	2.9E-05	1.3E-05	3.5E-03	1.4E-06	3.5E-07	7.2E-06
KIDNEYS	4.8E-05	1.7E-06	1.4E-05	1.3E-05	1.2E-05	3.6E-06	1.6E-05	4.5E-06	6.1E-06
LIVER	2.1E-05	1.2E-06	8.6E-06	7.7E-06	1.1E-05	1.5E-06	6.0E-04	1.0E-05	4.8E-06
LUNGS	1.0E-05	2.4E-07	7.9E-06	1.4E-06	1.5E-06	4.9E-07	1.0E-05	9.4E-04	5.7E-06
MARROW (RED)	1.0E-05	5.3E-06	4.4E-06	1.1E-05	9.1E-06	1.3E-05	4.6E-06	5.4E-06	5.8E-06
OTH TISS (MUSC)	6.5E-06	7.6E-06	6.0E-06	6.6E-06	6.3E-06	7.2E-06	4.8E-06	5.7E-06	3.8E-05
OVARIES	2.3E-06	2.6E-05	2.9E-06	3.8E-05	4.9E-05	6.8E-05	1.4E-06	6.8E-07	8.5E-06
PANCREAS	3.6E-05	1.1E-06	7.4E-05	8.8E-06	7.8E-06	3.2E-06	2.0E-05	1.1E-05	7.7E-06
SKIN	3.0E-06	2.8E-06	2.6E-06	2.3E-06	2.4E-06	2.6E-06	2.6E-06	2.9E-06	3.9E-06
SPLEEN	2.7E-05	9.9E-07	4.0E-05	6.7E-06	5.4E-06	4.1E-06	4.4E-06	9.1E-06	6.3E-06
TESTES	3.2E-07	2.1E-05	2.3E-07	1.7E-06	2.2E-06	8.4E-06	6.0E-07	1.2E-07	5.3E-06
THYROID	8.8E-07	4.8E-08	6.8E-07	1.9E-07	2.0E-07	8.8E-08	8.1E-07	5.2E-06	5.9E-06
UTERUS (NONGRVD)	1.7E-06	6.3E-05	3.9E-06	3.7E-05	1.9E-05	2.4E-05	1.9E-06	4.6E-07	8.6E-06
TOTAL BODY	2.0E-05	9.4E-06	1.1E-05	1.8E-05	1.4E-05	1.6E-05	2.0E-05	1.9E-05	1.9E-05

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(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 IODINE-133 HALF-LIFE 20.8 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	THYROID	TESTES	THYROID		
ADRENALS	2.6E-06	3.5E-05	8.3E-06	7.4E-06	7.4E-06	3.0E-06	3.0E-06	2.7E-05	3.2E-07	8.7E-07	8.7E-07	2.2E-05
BLADDER WALL	2.9E-05	8.2E-07	3.3E-06	2.7E-06	2.7E-06	2.8E-06	2.8E-06	7.6E-07	2.2E-05	4.9E-08	4.9E-08	2.0E-05
BONE (TOTAL)	3.9E-06	3.9E-06	5.6E-05	1.9E-04	1.2E-04	3.7E-06	3.7E-06	3.3E-06	2.8E-06	3.2E-06	3.2E-06	1.9E-05
GI (STOM WALL)	3.6E-06	7.2E-05	4.4E-06	2.5E-06	2.5E-06	2.8E-06	2.8E-06	4.1E-05	4.8E-07	5.7E-07	5.7E-07	2.0E-05
GI (SI)	5.0E-05	7.6E-06	1.1E-05	3.5E-06	3.5E-06	2.4E-06	2.4E-06	5.9E-06	2.3E-06	6.4E-08	6.4E-08	2.1E-05
GI (ULI WALL)	4.7E-05	9.2E-06	8.7E-06	3.1E-06	3.1E-06	2.6E-06	2.6E-06	6.0E-06	1.5E-06	8.0E-08	8.0E-08	2.1E-05
GI (LLI WALL)	6.0E-05	2.3E-06	1.3E-05	4.1E-06	4.1E-06	2.6E-06	2.6E-06	2.9E-06	1.2E-05	7.4E-08	7.4E-08	2.1E-05
KIDNEYS	4.8E-06	2.6E-05	1.0E-05	4.1E-06	4.1E-06	3.2E-06	3.2E-06	3.6E-05	4.8E-07	2.9E-07	2.9E-07	2.0E-05
LIVER	2.7E-06	1.7E-05	4.4E-06	3.0E-06	3.0E-06	2.9E-06	2.9E-06	4.6E-06	2.7E-07	7.2E-07	7.2E-07	2.0E-05
LUNGS	5.3E-07	1.0E-05	5.2E-06	4.2E-06	4.2E-06	2.9E-06	2.9E-06	9.3E-06	7.9E-08	4.6E-06	4.6E-06	1.9E-05
MARROW (RED)	1.3E-05	7.3E-06	4.5E-04	2.0E-05	2.4E-04	3.4E-06	3.4E-06	4.8E-06	2.2E-06	3.5E-06	3.5E-06	2.0E-05
OTH TISS (MUSC)	8.5E-06	7.7E-06	5.6E-06	4.8E-06	4.8E-06	3.9E-06	3.9E-06	6.3E-06	5.3E-06	5.9E-06	5.9E-06	1.9E-05
OVARIES	8.3E-02	2.1E-06	1.5E-05	4.5E-06	4.5E-06	1.6E-06	1.6E-06	4.1E-06	0.0	8.8E-08	8.8E-08	2.0E-05
PANCREAS	2.6E-06	9.7E-03	6.9E-06	4.0E-06	4.0E-06	2.4E-06	2.4E-06	8.2E-05	2.3E-07	3.6E-07	3.6E-07	2.0E-05
SKIN	2.3E-06	2.2E-06	3.2E-06	3.7E-06	3.7E-06	3.5E-04	3.5E-04	2.7E-06	6.8E-06	3.8E-06	3.8E-06	1.6E-05
SPLEEN	2.9E-06	8.0E-05	3.6E-06	3.6E-06	3.6E-06	2.9E-06	2.9E-06	5.4E-03	5.1E-07	6.2E-07	6.2E-07	2.0E-05
TESTES	0.0	3.3E-07	1.8E-06	2.6E-06	2.6E-06	3.7E-06	3.7E-06	4.3E-07	2.7E-02	1.9E-08	1.9E-08	2.0E-05
THYROID	8.8E-08	7.1E-07	3.9E-06	4.4E-06	4.4E-06	3.5E-06	3.5E-06	6.6E-07	1.9E-08	4.6E-02	4.6E-02	1.9E-05
UTERUS (NONGRVD)	7.5E-05	2.7E-06	7.9E-06	2.7E-06	2.7E-06	2.6E-06	2.6E-06	2.1E-06	0.0	8.4E-08	8.4E-08	2.0E-05
TOTAL BODY	2.1E-05	2.1E-05	1.9E-05	1.9E-05	1.9E-05	1.7E-05	1.7E-05	2.0E-05	1.9E-05	1.8E-05	1.8E-05	1.9E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 XENON-127 HALF-LIFE 874. HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	6.4E-03	3.8E-07	4.8E-06	2.9E-06	1.9E-06	8.9E-07	2.5E-05	1.1E-05	5.2E-06	3.4E-06
BLADDER WALL	2.3E-07	3.7E-04	5.1E-07	5.6E-06	4.3E-06	1.4E-05	6.2E-07	3.6E-07	1.0E-07	3.9E-06
BONE (TOTAL)	3.8E-06	1.5E-06	1.6E-06	2.2E-06	2.0E-06	3.1E-06	2.6E-06	2.0E-06	2.8E-06	2.2E-06
GI (STOM WALL)	6.0E-06	5.6E-07	2.8E-04	7.8E-06	8.3E-06	3.7E-06	7.0E-06	4.0E-06	4.0E-06	3.1E-06
GI (SI)	1.7E-06	5.8E-06	5.4E-06	1.7E-04	4.0E-05	2.2E-05	5.9E-06	3.4E-06	4.1E-07	3.4E-06
GI (ULI WALL)	1.8E-06	4.7E-06	7.6E-06	6.0E-05	2.7E-04	9.8E-06	5.9E-06	5.2E-06	5.1E-07	3.6E-06
GI (LLI WALL)	4.8E-07	1.6E-05	2.6E-06	1.7E-05	6.8E-06	4.0E-04	1.7E-06	4.9E-07	2.0E-07	3.7E-06
KIDNEYS	2.7E-05	5.7E-07	7.2E-06	6.3E-06	5.6E-06	1.9E-06	4.3E-04	8.2E-06	1.8E-06	3.2E-06
LIVER	1.1E-05	4.3E-07	4.0E-06	3.8E-06	5.4E-06	5.7E-07	8.2E-06	1.1E-04	5.5E-06	2.4E-06
LUNGS	5.3E-06	5.7E-08	3.7E-06	5.1E-07	5.5E-07	1.7E-07	1.7E-06	5.6E-06	1.1E-04	3.1E-06
MARROW (RED)	6.8E-06	3.5E-06	2.7E-06	7.4E-06	6.4E-06	1.0E-05	6.8E-06	2.8E-06	3.5E-06	3.9E-06
OTH TISS (MUSC)	3.4E-06	3.9E-06	3.1E-06	3.4E-06	3.2E-06	3.7E-06	3.2E-06	2.4E-06	3.1E-06	6.0E-06
OVARIES	1.1E-06	1.6E-05	8.8E-07	2.3E-05	2.7E-05	4.6E-05	2.4E-06	8.8E-07	2.4E-07	4.5E-06
PANCREAS	1.8E-05	5.7E-07	4.2E-05	4.1E-06	4.7E-06	1.4E-06	1.4E-05	8.6E-06	5.4E-06	4.1E-06
SKIN	1.3E-06	1.2E-06	1.0E-06	9.4E-07	9.5E-07	1.1E-06	1.3E-06	1.1E-06	1.3E-06	1.8E-06
SPLEEN	1.4E-05	4.2E-07	2.2E-05	3.1E-06	2.8E-06	1.6E-06	2.0E-05	1.9E-06	5.0E-06	3.3E-06
TESTES	9.5E-08	9.7E-06	1.1E-07	6.9E-07	6.7E-07	4.1E-06	2.3E-07	1.7E-07	2.7E-08	2.6E-06
THYROID	3.2E-07	8.6E-09	2.4E-07	4.8E-08	5.3E-08	1.9E-08	1.3E-07	4.1E-07	1.8E-06	3.2E-06
UTERUS (NONGRVD)	3.8E-06	3.5E-05	1.6E-06	2.1E-05	9.9E-06	1.4E-05	2.0E-06	7.8E-07	1.9E-07	5.2E-06
TOTAL BODY	4.9E-06	4.4E-06	4.4E-06	5.4E-06	4.9E-06	5.1E-06	4.9E-06	5.0E-06	4.5E-06	4.2E-06

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127Xe

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)

XENON-127 HALF-LIFE 874. HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	BONE				
			R MARROW	CORT	BONE	TRA	BONE					
ADRENALS	7.9E-07	1.8E-05	5.3E-06	2.7E-06	2.7E-06	1.7E-06	1.4E-05	9.5E-08	3.2E-07	5.2E-06		
BLADDER WALL	1.5E-05	3.1E-07	1.6E-06	1.0E-06	1.0E-06	1.1E-06	3.1E-07	1.0E-05	8.7E-09	5.0E-06		
BONE (TOTAL)	2.7E-06	2.4E-06	9.3E-06	2.5E-05	2.2E-05	2.1E-06	2.1E-06	1.5E-06	1.8E-06	5.3E-06		
GI (STOM WALL)	1.6E-06	4.3E-05	2.2E-06	1.2E-06	1.2E-06	1.2E-06	2.1E-05	1.1E-07	1.1E-07	5.3E-06		
GI (SI)	2.8E-05	3.7E-06	5.4E-06	1.6E-05	1.6E-06	1.0E-06	2.8E-06	8.4E-07	2.7E-08	5.6E-06		
GI (ULI WALL)	2.7E-05	4.4E-06	4.4E-06	1.5E-06	1.5E-06	9.9E-07	2.6E-06	7.0E-07	2.2E-08	5.3E-06		
GI (LLI WALL)	3.5E-05	1.1E-06	6.3E-06	2.2E-06	2.2E-06	1.0E-06	1.3E-06	5.7E-06	1.6E-08	5.1E-06		
KIDNEYS	1.9E-06	1.4E-05	4.6E-06	1.9E-06	1.9E-06	1.4E-06	2.0E-05	1.2E-07	7.8E-08	4.9E-06		
LIVER	1.2E-06	9.2E-06	2.0E-06	1.4E-06	1.4E-06	1.2E-06	2.0E-06	8.1E-08	2.4E-07	4.9E-06		
LUNGS	1.5E-07	5.3E-06	2.5E-06	2.1E-06	2.1E-06	1.4E-06	4.9E-06	2.3E-08	1.9E-06	4.5E-06		
MARROW (RED)	9.5E-06	4.7E-06	6.5E-05	1.0E-05	2.1E-05	2.0E-06	3.0E-06	1.2E-06	1.9E-06	5.9E-06		
OTH TISS (MUSC)	4.5E-06	4.1E-06	2.6E-06	2.2E-06	2.2E-06	1.8E-06	3.3E-06	2.6E-06	3.2E-06	4.2E-06		
OVARIES	8.7E-03	6.6E-07	5.2E-06	1.7E-06	1.7E-06	9.2E-07	1.2E-06	0.0	1.8E-08	5.2E-06		
PANCREAS	9.8E-07	1.3E-03	3.3E-06	2.1E-06	2.1E-06	1.1E-06	4.6E-05	1.3E-07	1.9E-07	5.7E-06		
SKIN	9.2E-07	8.9E-07	1.4E-06	1.6E-06	1.6E-06	3.2E-05	1.1E-06	3.6E-06	1.8E-06	2.9E-06		
SPLEEN	1.1E-06	4.6E-05	1.8E-06	1.4E-06	1.4E-06	1.2E-06	7.5E-04	7.3E-08	2.3E-07	5.1E-06		
TESTES	0.0	1.4E-07	6.7E-07	1.2E-06	1.2E-06	2.5E-06	1.4E-07	3.0E-03	2.5E-09	3.8E-06		
THYROID	1.8E-08	3.0E-07	1.5E-06	1.9E-06	1.9E-06	1.8E-06	2.3E-07	2.5E-09	4.9E-03	3.9E-06		
UTERUS (NONGRVD)	4.7E-05	1.2E-06	4.5E-06	1.2E-06	1.2E-06	8.4E-07	7.9E-07	0.0	1.7E-08	5.7E-06		
TOTAL BODY	5.7E-06	5.6E-06	4.8E-06	4.5E-06	4.5E-06	2.9E-06	5.0E-06	4.2E-06	4.1E-06	4.4E-06		

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 XENON-131M HALF-LIFE 283. HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS	LLI CONTENTS	INTESTINAL TRACT CONTENTS	KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
ADRENALS	2.2E-02	4.5E-09	1.8E-07	4.8E-08	6.4E-08	1.2E-08	1.2E-08	3.3E-06	9.7E-07	3.0E-07	3.8E-07
BLADDER WALL	3.5E-09	8.1E-04	7.9E-09	2.6E-07	1.8E-07	1.0E-06	1.0E-06	8.7E-09	4.6E-09	1.1E-09	3.5E-07
BONE (TOTAL)	5.0E-07	6.2E-08	1.2E-07	2.0E-07	1.8E-07	4.5E-07	4.5E-07	2.8E-07	2.1E-07	3.7E-07	1.2E-07
GI (STOM WALL)	2.5E-07	8.6E-09	6.4E-04	5.5E-07	8.0E-07	2.1E-07	2.1E-07	3.5E-07	1.8E-07	3.0E-07	2.8E-07
GI (SI)	3.5E-08	2.4E-07	2.9E-07	4.0E-04	5.2E-06	2.7E-06	2.7E-06	2.9E-07	1.4E-07	6.7E-09	2.7E-07
GI (ULI WALL)	4.0E-08	1.6E-07	6.1E-07	9.6E-06	7.2E-04	1.1E-06	1.1E-06	2.8E-07	3.4E-07	8.8E-09	3.1E-07
GI (LLI WALL)	7.2E-09	1.3E-06	9.3E-08	2.2E-06	6.6E-07	1.2E-03	1.2E-03	4.2E-08	7.1E-09	2.5E-09	3.0E-07
KIDNEYS	3.3E-06	8.1E-09	3.6E-07	3.1E-07	2.6E-07	5.3E-08	5.3E-08	1.0E-03	6.0E-07	6.3E-08	3.2E-07
LIVER	9.7E-07	5.7E-09	1.8E-07	2.0E-07	3.1E-07	8.2E-09	8.2E-09	5.9E-07	1.8E-04	5.1E-07	2.0E-07
LUNGS	3.9E-07	6.5E-10	3.0E-07	8.4E-09	9.7E-09	2.3E-09	2.3E-09	6.1E-08	5.9E-07	3.2E-04	3.5E-07
MARROW (RED)	8.0E-07	1.8E-07	1.6E-07	7.7E-07	7.1E-07	1.8E-06	1.8E-06	7.4E-07	2.2E-07	4.3E-07	5.5E-07
OTH TISS (MUSC)	3.8E-07	3.5E-07	2.8E-07	2.7E-07	2.6E-07	3.0E-07	3.0E-07	3.2E-07	2.0E-07	3.5E-07	1.1E-05
OVARIES	1.7E-08	1.1E-06	2.4E-08	2.3E-06	2.7E-06	6.1E-06	6.1E-06	4.9E-08	1.9E-08	3.1E-09	4.5E-07
PANCREAS	1.5E-06	7.2E-09	4.9E-06	1.4E-07	1.5E-07	3.8E-08	3.8E-08	9.5E-07	6.4E-07	3.5E-07	4.3E-07
SKIN	8.1E-08	6.9E-08	6.0E-08	3.6E-08	4.2E-08	5.0E-08	5.0E-08	9.3E-08	6.5E-08	7.6E-08	1.9E-07
SPLEEN	1.2E-06	1.2E-08	1.9E-06	1.3E-07	9.1E-08	4.1E-08	4.1E-08	2.3E-06	5.1E-08	4.6E-07	3.4E-07
TESTES	9.7E-10	6.2E-07	1.5E-09	1.0E-08	9.4E-09	1.9E-07	1.9E-07	2.6E-09	1.9E-09	2.6E-10	2.1E-07
THYROID	3.7E-09	6.8E-11	2.6E-09	4.6E-10	5.1E-10	1.7E-10	1.7E-10	1.4E-09	4.7E-09	5.0E-08	4.0E-07
UTERUS (NONGRVD)	4.1E-08	3.9E-06	2.8E-08	2.0E-06	5.9E-07	9.1E-07	9.1E-07	3.7E-08	1.4E-08	2.5E-09	5.3E-07
TOTAL BODY	4.9E-06	9.8E-07	1.8E-06	4.0E-06	2.6E-06	3.1E-06	3.1E-06	4.9E-06	4.9E-06	4.9E-06	4.8E-06

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(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 XENON-131M HALF-LIFE 283. HOURS

SOURCE ORGANS

TARGET ORGANS	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY
			R MARROW	CORT BONE	TRA BONE					
ADRENALS	1.0E-08	1.5E-06	2.9E-07	1.3E-07	1.3E-07	9.4E-08	1.2E-06	9.7E-10	3.7E-09	4.8E-06
BLADDER WALL	1.0E-06	4.2E-09	7.6E-08	2.3E-08	2.3E-08	7.3E-08	4.0E-09	6.8E-07	6.9E-11	4.8E-06
BONE (TOTAL)	2.9E-07	2.0E-07	1.2E-05	4.8E-05	4.8E-05	3.1E-07	2.1E-07	6.2E-08	1.2E-07	5.1E-06
GI (STOM WALL)	3.9E-08	5.4E-06	6.8E-08	4.9E-08	4.9E-08	7.8E-08	1.9E-06	1.1E-09	1.4E-09	4.8E-06
GI (SI)	3.3E-06	1.1E-07	2.8E-07	7.4E-08	7.4E-08	4.0E-08	8.7E-08	1.2E-08	3.1E-10	4.9E-06
GI (ULI WALL)	3.6E-06	1.5E-07	2.5E-07	6.4E-08	6.4E-08	5.0E-08	1.1E-07	1.1E-08	2.9E-10	4.9E-06
GI (LLI WALL)	5.0E-06	2.6E-08	5.0E-07	1.4E-07	1.4E-07	4.2E-08	3.2E-08	2.9E-07	1.4E-10	4.9E-06
KIDNEYS	4.4E-08	9.7E-07	2.2E-07	8.1E-08	8.1E-08	1.1E-07	2.3E-06	1.2E-09	9.4E-10	4.8E-06
LIVER	2.3E-08	6.4E-07	7.5E-08	7.1E-08	7.1E-08	7.1E-08	4.7E-08	9.3E-10	2.9E-09	4.9E-06
LUNGS	1.8E-09	3.5E-07	1.5E-07	1.3E-07	1.3E-07	9.6E-08	4.5E-07	2.2E-10	5.6E-08	4.9E-06
MARROW (RED)	1.2E-06	3.6E-07	1.8E-04	2.8E-06	2.8E-06	2.8E-07	2.4E-07	4.1E-08	1.2E-07	5.2E-06
OTH TISS (MUSC)	4.5E-07	4.3E-07	1.6E-07	1.2E-07	1.2E-07	1.9E-07	3.4E-07	2.1E-07	4.0E-07	4.8E-06
OVARIES	2.9E-02	1.3E-08	2.6E-07	1.4E-07	1.4E-07	3.6E-08	1.6E-08	0.0	1.6E-10	4.9E-06
PANCREAS	1.6E-08	3.2E-03	1.2E-07	7.1E-08	7.1E-08	4.2E-08	6.4E-06	1.6E-09	2.3E-09	4.9E-06
SKIN	2.8E-08	2.9E-08	8.1E-08	9.1E-08	9.1E-08	1.2E-08	6.2E-08	4.8E-07	1.9E-07	4.6E-06
SPLEEN	1.7E-08	6.2E-06	7.3E-08	7.9E-08	7.9E-08	6.5E-08	1.8E-03	5.0E-10	3.0E-09	4.9E-06
TESTES	0.0	1.6E-09	2.1E-08	4.3E-08	4.3E-08	3.2E-07	1.4E-09	9.0E-03	1.7E-11	4.7E-06
THYROID	1.6E-10	3.5E-09	4.9E-08	8.4E-08	8.4E-08	1.8E-07	2.6E-09	1.7E-11	1.6E-02	4.7E-06
UTERUS (NONGRVD)	5.1E-06	1.9E-08	1.6E-07	5.4E-08	5.4E-08	3.2E-08	1.2E-08	0.0	1.5E-10	4.9E-06
TOTAL BODY	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.7E-06	4.9E-06	4.8E-06	4.8E-06	4.8E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 XENON-133 HALF-LIFE 128. HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	2.1E-02	2.3E-08	8.8E-07	1.9E-07	2.6E-07	6.5E-08	6.2E-06	2.0E-06	9.4E-07	7.1E-07
BLADDER WALL	2.5E-08	7.8E-04	6.1E-08	8.5E-07	6.6E-07	2.8E-06	5.0E-08	3.0E-08	5.6E-09	8.0E-07
BONE (TOTAL)	1.2E-06	3.1E-07	3.9E-07	5.9E-07	5.4E-07	1.0E-06	7.5E-07	5.7E-07	8.8E-07	3.4E-07
GI (STOM WALL)	9.3E-07	5.5E-08	6.2E-04	1.5E-06	1.8E-06	6.4E-07	1.2E-06	6.4E-07	7.7E-07	6.0E-07
GI (SI)	1.9E-07	9.6E-07	9.5E-07	3.9E-04	9.7E-06	5.2E-06	9.7E-07	5.1E-07	3.9E-08	6.5E-07
GI (ULI WALL)	2.3E-07	6.5E-07	1.5E-06	1.5E-05	7.0E-04	2.1E-06	9.4E-07	9.7E-07	4.9E-08	6.9E-07
GI (LLI WALL)	4.5E-08	3.3E-06	3.6E-07	4.1E-06	1.4E-06	1.1E-03	1.7E-07	4.4E-08	9.5E-09	7.1E-07
KIDNEYS	6.0E-06	5.1E-08	1.2E-06	1.1E-06	9.5E-07	2.2E-07	1.0E-03	1.6E-06	2.4E-07	6.4E-07
LIVER	2.2E-06	3.0E-08	6.6E-07	6.2E-07	9.3E-07	4.9E-08	1.6E-06	1.8E-04	1.1E-06	4.6E-07
LUNGS	1.0E-06	3.9E-09	7.6E-07	4.6E-08	5.8E-08	1.5E-08	2.6E-07	1.3E-06	3.0E-04	6.8E-07
MARROW (RED)	2.0E-06	8.4E-07	6.2E-07	2.2E-06	1.9E-06	3.7E-06	2.0E-06	7.0E-07	1.1E-06	1.2E-06
OTH TISS (MUSC)	7.1E-07	8.0E-07	6.3E-07	6.5E-07	6.2E-07	7.1E-07	6.4E-07	4.6E-07	6.8E-07	1.1E-05
OVARIES	1.2E-07	2.9E-06	1.6E-07	5.2E-06	5.5E-06	1.0E-05	2.8E-07	1.1E-07	1.8E-08	9.3E-07
PANCREAS	3.9E-06	3.7E-08	9.9E-06	6.0E-07	6.5E-07	1.8E-07	2.6E-06	1.8E-06	1.0E-06	8.8E-07
SKIN	1.9E-07	1.9E-07	1.6E-07	1.2E-07	1.3E-07	1.5E-07	2.1E-07	1.7E-07	1.9E-07	3.6E-07
SPLEEN	2.8E-06	1.6E-07	4.7E-06	4.5E-07	4.4E-07	2.3E-07	4.7E-06	2.4E-07	1.0E-06	7.0E-07
TESTES	3.8E-09	1.9E-06	7.7E-09	5.8E-08	5.2E-08	6.1E-07	1.2E-08	8.4E-09	9.0E-10	4.8E-07
THYROID	1.8E-08	1.7E-10	1.2E-08	1.6E-09	1.8E-09	5.3E-10	6.1E-09	1.7E-08	2.4E-07	7.2E-07
UTERUS (NONGRVD)	4.2E-08	8.4E-06	1.6E-07	4.7E-06	2.1E-06	2.7E-06	1.9E-07	8.6E-08	1.6E-08	1.1E-06
TOTAL BODY	5.1E-06	1.4E-06	2.2E-06	4.4E-06	3.0E-06	3.5E-06	5.1E-06	5.1E-06	5.0E-06	4.9E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)

XENON-133 HALF-LIFE 128. HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	6.4E-08	3.9E-06	7.1E-07	4.0E-07	4.0E-07	2.1E-07	2.8E-06	3.8E-09	1.8E-08	4.9E-06	
BLADDER WALL	3.0E-06	2.5E-08	3.1E-07	1.3E-07	1.3E-07	1.8E-07	1.9E-08	1.9E-06	1.7E-10	5.0E-06	
BONE (TOTAL)	8.1E-07	6.6E-07	9.3E-06	6.2E-05	5.2E-05	6.4E-07	5.9E-07	3.1E-07	4.3E-07	5.6E-06	
GI (STOM WALL)	2.1E-07	1.0E-05	2.6E-07	1.6E-07	1.6E-07	2.1E-07	4.7E-06	5.1E-09	1.3E-08	5.0E-06	
GI (SI)	6.6E-06	5.1E-07	8.7E-07	2.4E-07	2.4E-07	1.4E-07	4.0E-07	7.2E-08	8.7E-10	5.1E-06	
GI (ULI WALL)	6.4E-06	6.3E-07	7.2E-07	2.1E-07	2.1E-07	1.6E-07	4.7E-07	6.1E-08	1.8E-09	5.1E-06	
GI (LLI WALL)	8.8E-06	1.4E-07	1.2E-06	3.7E-07	3.7E-07	1.4E-07	1.6E-07	9.7E-07	4.2E-10	5.1E-06	
KIDNEYS	2.3E-07	2.7E-06	7.3E-07	2.6E-07	2.6E-07	2.4E-07	4.8E-06	5.7E-09	5.3E-09	5.0E-06	
LIVER	1.2E-07	1.8E-06	2.7E-07	2.1E-07	2.1E-07	1.9E-07	2.5E-07	4.6E-09	1.7E-08	5.0E-06	
LUNGS	1.0E-08	1.0E-06	4.1E-07	3.6E-07	3.6E-07	2.4E-07	1.0E-06	5.3E-10	2.8E-07	5.0E-06	
MARROW (RED)	3.2E-06	1.2E-06	1.8E-04	3.9E-06	3.7E-05	5.9E-07	7.5E-07	2.3E-07	4.5E-07	5.8E-06	
OTH TISS (MUSC)	9.3E-07	8.8E-07	4.2E-07	3.4E-07	3.4E-07	3.6E-07	7.0E-07	4.8E-07	7.2E-07	4.9E-06	
OVARIES	2.7E-02	1.1E-07	1.2E-06	3.1E-07	3.1E-07	1.2E-07	8.0E-08	0.0	4.5E-10	5.1E-06	
PANCREAS	1.0E-07	3.1E-03	5.1E-07	2.4E-07	2.4E-07	1.2E-07	1.2E-05	7.1E-09	9.7E-09	5.1E-06	
SKIN	1.1E-07	1.1E-07	2.0E-07	2.2E-07	2.2E-07	1.1E-04	1.7E-07	8.0E-07	3.6E-07	4.6E-06	
SPLEEN	1.0E-07	1.2E-05	2.8E-07	2.1E-07	2.1E-07	1.9E-07	1.7E-03	3.0E-09	1.8E-08	5.0E-06	
TESTES	0.0	7.1E-09	1.2E-07	1.7E-07	1.7E-07	5.3E-07	6.2E-09	8.6E-03	3.3E-11	4.8E-06	
THYROID	4.5E-10	1.7E-08	1.8E-07	2.4E-07	2.4E-07	3.4E-07	1.2E-08	3.3E-11	1.5E-02	4.8E-06	
UTERUS (NONGRVD)	1.1E-05	1.0E-07	6.4E-07	1.6E-07	1.6E-07	1.3E-07	8.3E-08	0.0	4.2E-10	5.1E-06	
TOTAL BODY	5.2E-06	5.2E-06	5.1E-06	5.0E-06	5.0E-06	4.6E-06	5.1E-06	4.9E-06	4.9E-06	5.0E-06	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 XENON-133M HALF-LIFE 52.6 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					ILLI CONTENTS
ADRENALS	3.0E-02	2.9E-08	4.7E-07	2.4E-07	1.8E-07	6.9E-08	4.7E-06	1.6E-06	6.0E-07	5.8E-07
BLADDER WALL	1.7E-08	1.1E-03	3.7E-08	5.9E-07	4.4E-07	1.9E-06	4.7E-08	2.6E-08	7.7E-09	5.9E-07
BONE (TOTAL)	7.2E-07	1.5E-07	2.1E-07	3.2E-07	3.0E-07	6.3E-07	4.2E-07	3.3E-07	5.2E-07	2.6E-07
GI (STOM WALL)	6.1E-07	4.3E-08	8.7E-04	1.0E-06	1.3E-06	4.3E-07	7.6E-07	4.2E-07	5.4E-07	4.6E-07
GI (SI)	1.4E-07	5.9E-07	6.1E-07	5.4E-04	7.5E-06	4.0E-06	6.4E-07	3.4E-07	3.2E-08	4.7E-07
GI (ULI WALL)	1.5E-07	4.5E-07	1.1E-06	1.3E-05	9.8E-04	1.7E-06	6.3E-07	6.5E-07	4.0E-08	5.2E-07
GI (ILLI WALL)	3.6E-08	2.2E-06	2.5E-07	3.2E-06	1.1E-06	1.6E-03	1.5E-07	3.7E-08	1.6E-08	5.2E-07
KIDNEYS	4.9E-06	4.3E-08	7.9E-07	6.8E-07	6.0E-07	1.7E-07	1.4E-03	1.1E-06	1.7E-07	5.0E-07
LIVER	1.6E-06	3.3E-08	4.2E-07	4.3E-07	6.3E-07	4.3E-08	1.1E-06	2.5E-04	8.3E-07	3.5E-07
LUNGS	7.1E-07	4.1E-09	5.2E-07	4.0E-08	4.3E-08	1.3E-08	1.6E-07	9.2E-07	4.3E-04	5.3E-07
MARROW (RED)	1.2E-06	3.8E-07	3.1E-07	1.2E-06	1.1E-06	2.3E-06	1.1E-06	3.8E-07	6.2E-07	7.7E-07
OTH TISS (MUSC)	5.8E-07	5.9E-07	4.6E-07	4.7E-07	4.5E-07	5.2E-07	5.0E-07	3.5E-07	5.3E-07	1.6E-05
OVARIES	8.5E-08	2.0E-06	7.5E-08	3.7E-06	4.2E-06	8.9E-06	2.0E-07	7.4E-08	1.8E-08	7.1E-07
PANCREAS	2.5E-06	4.4E-08	7.4E-06	3.8E-07	4.4E-07	1.2E-07	1.8E-06	1.1E-06	6.7E-07	6.7E-07
SKIN	1.6E-07	1.4E-07	1.2E-07	9.4E-08	1.0E-07	1.2E-07	1.7E-07	1.3E-07	1.5E-07	3.0E-07
SPLEEN	2.1E-06	2.3E-08	3.2E-06	3.2E-07	2.6E-07	1.4E-07	3.5E-06	1.6E-07	7.6E-07	5.3E-07
TESTES	7.1E-09	1.2E-06	9.0E-09	5.3E-08	5.1E-08	4.5E-07	1.7E-08	1.3E-08	2.0E-09	3.6E-07
THYROID	2.4E-08	6.2E-10	1.8E-08	3.6E-09	3.9E-09	1.4E-09	1.0E-08	3.2E-08	1.5E-07	5.9E-07
UTERUS (NONGRVD)	3.1E-07	6.0E-06	1.3E-07	3.2E-06	1.2E-06	1.8E-06	1.6E-07	6.1E-08	1.4E-08	8.3E-07
TOTAL BODY	6.7E-06	1.4E-06	2.5E-06	5.6E-06	3.6E-06	4.3E-06	6.7E-06	6.7E-06	6.7E-06	6.6E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)

XENON-133M HALF-LIFE 52.6 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID		
			R	MARROW	CORT	BONE	TRA	BONE			
ADRENALS	5.9E-08	2.5E-06	6.3E-07	3.0E-07	3.0E-07	3.0E-07	2.0E-07	2.1E-06	7.1E-09	2.4E-08	6.7E-06
BLADDER WALL	1.9E-06	2.3E-08	1.7E-07	8.2E-08	8.2E-08	8.2E-08	1.4E-07	2.5E-08	1.3E-06	6.3E-10	6.7E-06
BONE (TOTAL)	4.4E-07	3.4E-07	2.1E-05	8.7E-05	5.8E-05	5.8E-05	4.3E-07	3.3E-07	1.5E-07	2.2E-07	7.0E-06
GI (STOM WALL)	1.3E-07	8.0E-06	2.0E-07	1.2E-07	1.2E-07	1.2E-07	1.5E-07	3.2E-06	8.0E-09	7.4E-09	6.7E-06
GI (SI)	4.9E-06	3.3E-07	6.0E-07	1.7E-07	1.7E-07	1.7E-07	1.0E-07	2.6E-07	6.4E-08	2.2E-09	6.8E-06
GI (ULI WALL)	5.2E-06	4.2E-07	5.1E-07	1.6E-07	1.6E-07	1.6E-07	1.1E-07	2.6E-07	5.5E-08	1.6E-09	6.8E-06
GI (LLI WALL)	7.0E-06	9.4E-08	8.7E-07	2.7E-07	2.7E-07	2.7E-07	1.0E-07	1.1E-07	6.4E-07	1.2E-09	6.7E-06
KIDNEYS	1.6E-07	1.8E-06	5.0E-07	2.0E-07	2.0E-07	2.0E-07	1.9E-07	3.5E-06	8.9E-09	5.8E-09	6.7E-06
LIVER	9.4E-08	1.2E-06	2.0E-07	1.5E-07	1.5E-07	1.5E-07	1.4E-07	1.7E-07	6.1E-09	1.8E-08	6.7E-06
LUNGS	1.1E-08	6.6E-07	3.0E-07	2.5E-07	2.5E-07	2.5E-07	1.8E-07	7.5E-07	1.8E-09	1.8E-07	6.7E-06
MARROW (RED)	1.7E-06	6.3E-07	2.2E-04	4.1E-06	4.1E-06	4.1E-06	3.9E-07	4.1E-07	1.1E-07	2.3E-07	7.1E-06
OTH TISS (MUSC)	7.1E-07	6.7E-07	3.2E-07	2.6E-07	2.6E-07	2.6E-07	3.0E-07	5.3E-07	3.6E-07	5.9E-07	6.6E-06
OVARIES	3.9E-02	5.0E-08	5.4E-07	2.4E-07	2.4E-07	2.4E-07	9.5E-08	9.4E-08	0.0	1.3E-09	6.7E-06
PANCREAS	7.5E-08	4.4E-03	3.1E-07	2.0E-07	2.0E-07	2.0E-07	1.1E-07	9.1E-06	1.0E-08	1.5E-08	6.8E-06
SKIN	8.5E-08	8.4E-08	1.7E-07	1.9E-07	1.9E-07	1.9E-07	1.6E-04	1.3E-07	6.9E-07	3.0E-07	6.3E-06
SPLEEN	8.6E-08	8.9E-06	1.8E-07	1.7E-07	1.7E-07	1.7E-07	1.4E-07	2.4E-03	4.7E-09	1.8E-08	6.7E-06
TESTES	0.0	1.1E-08	5.7E-08	1.2E-07	1.2E-07	1.2E-07	4.7E-07	1.0E-08	1.2E-02	1.8E-10	6.5E-06
THYROID	1.3E-09	2.3E-08	1.4E-07	2.0E-07	2.0E-07	2.0E-07	2.9E-07	1.7E-08	1.8E-10	2.1E-02	6.5E-06
UTERUS (NONGRVD)	7.9E-06	9.7E-08	4.4E-07	1.3E-07	1.3E-07	1.3E-07	8.2E-08	6.0E-08	0.0	1.3E-09	6.8E-06
TOTAL BODY	6.8E-06	6.8E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.4E-06	6.7E-06	6.6E-06	6.6E-06	6.6E-06

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.

DATE OF ISSUE-05-13-75

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 CESIUM-129 HALF-LIFE 32.1 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT CONTENTS			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS	LLI CONTENTS				
ADRENALS	5.1E-03	5.4E-07	5.8E-06	3.4E-06	2.5E-06	1.2E-06	3.5E-05	1.4E-05	6.6E-06	4.5E-06
BLADDER WALL	2.9E-07	3.7E-04	9.3E-07	8.1E-06	5.2E-06	1.7E-05	8.9E-07	6.9E-07	1.6E-07	5.1E-06
BONE (TOTAL)	4.7E-06	1.7E-06	1.8E-06	2.5E-06	2.3E-06	3.8E-06	3.2E-06	2.4E-06	3.4E-06	2.9E-06
GI (STOM WALL)	7.7E-06	7.7E-07	2.7E-04	9.7E-06	1.1E-05	4.8E-06	8.9E-06	5.0E-06	5.2E-06	4.0E-06
GI (SI)	2.3E-06	7.1E-06	7.0E-06	1.6E-04	5.2E-05	2.8E-05	7.4E-06	4.2E-06	6.2E-07	4.4E-06
GI (ULI WALL)	2.5E-06	6.1E-06	9.6E-06	7.7E-05	2.5E-04	1.3E-05	7.6E-06	6.9E-06	8.3E-07	4.6E-06
GI (LLI WALL)	7.7E-07	2.0E-05	3.3E-06	2.2E-05	8.7E-06	3.5E-04	2.2E-06	7.3E-07	2.3E-07	4.8E-06
KIDNEYS	3.5E-05	8.6E-07	9.0E-06	8.2E-06	7.2E-06	2.2E-06	4.1E-04	1.1E-05	2.5E-06	4.2E-06
LIVER	1.4E-05	6.4E-07	5.3E-06	4.9E-06	6.8E-06	8.1E-07	1.1E-05	1.1E-04	7.0E-06	3.1E-06
LUNGS	6.7E-06	1.0E-07	5.0E-06	7.6E-07	7.9E-07	2.4E-07	2.3E-06	7.2E-06	1.0E-04	4.0E-06
MARROW (RED)	8.2E-06	3.8E-06	3.1E-06	8.4E-06	7.4E-06	1.2E-05	8.1E-06	3.3E-06	4.2E-06	4.8E-06
OTH TISS (MUSC)	4.5E-06	5.1E-06	4.0E-06	4.4E-06	4.2E-06	4.8E-06	4.2E-06	3.1E-06	4.0E-06	6.2E-06
OVARIES	1.4E-06	1.9E-05	1.2E-06	2.8E-05	3.6E-05	5.6E-05	3.0E-06	7.9E-07	3.5E-07	5.8E-06
PANCREAS	2.4E-05	6.9E-07	5.4E-05	5.3E-06	5.2E-06	1.8E-06	1.8E-05	1.2E-05	7.3E-06	5.3E-06
SKIN	1.8E-06	1.7E-06	1.5E-06	1.3E-06	1.4E-06	1.5E-06	1.8E-06	1.5E-06	1.7E-06	2.5E-06
SPLEEN	1.8E-05	5.0E-07	2.8E-05	4.1E-06	3.3E-06	2.2E-06	2.6E-05	2.5E-06	6.4E-06	4.3E-06
TESTES	1.5E-07	1.3E-05	1.0E-07	9.0E-07	1.1E-06	5.4E-06	3.4E-07	2.6E-07	5.1E-08	3.4E-06
THYROID	4.6E-07	1.9E-08	3.5E-07	8.5E-08	9.1E-08	3.7E-08	2.1E-07	4.9E-07	2.7E-06	4.2E-06
UTERUS (NONGRVD)	2.7E-06	4.5E-05	2.2E-06	2.6E-05	1.2E-05	1.7E-05	2.3E-06	1.1E-06	2.4E-07	6.2E-06
TOTAL BODY	5.8E-06	5.7E-06	5.6E-06	6.4E-06	6.1E-06	6.1E-06	5.8E-06	5.8E-06	5.2E-06	4.9E-06

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.
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129Cs

(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 CESIUM-129 HALF-LIFE 32.1 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	1.3E-06	2.4E-05	5.7E-06	4.1E-06	4.1E-06	2.0E-06	1.8E-05	1.5E-07	4.6E-07	6.7E-06	6.7E-06
BLADDER WALL	1.9E-05	4.5E-07	1.9E-06	1.5E-06	1.5E-06	1.6E-06	3.8E-07	1.4E-05	1.9E-08	6.0E-06	6.0E-06
BONE (TOTAL)	3.1E-06	2.8E-06	1.0E-05	2.3E-05	2.2E-05	2.8E-06	2.5E-06	1.8E-06	2.2E-06	6.0E-06	6.0E-06
GI (STOM WALL)	2.1E-06	5.5E-05	2.7E-06	1.5E-06	1.5E-06	1.7E-06	2.8E-05	2.3E-07	2.4E-07	6.1E-06	6.1E-06
GI (SI)	3.6E-05	4.6E-06	7.1E-06	2.1E-06	2.1E-06	1.4E-06	3.6E-06	1.2E-06	2.7E-08	6.6E-06	6.6E-06
GI (ULI WALL)	3.5E-05	5.6E-06	5.6E-06	1.9E-06	1.9E-06	1.4E-06	3.5E-06	8.5E-07	2.9E-08	6.4E-06	6.4E-06
GI (LLI WALL)	4.6E-05	1.4E-06	8.4E-06	2.7E-06	2.7E-06	1.5E-06	1.7E-06	7.5E-06	3.1E-08	6.3E-06	6.3E-06
KIDNEYS	2.7E-06	1.7E-05	6.1E-06	2.4E-06	2.4E-06	2.0E-06	2.6E-05	2.1E-07	1.2E-07	5.8E-06	5.8E-06
LIVER	1.5E-06	1.2E-05	2.6E-06	1.8E-06	1.8E-06	1.7E-06	2.7E-06	1.2E-07	3.6E-07	5.8E-06	5.8E-06
LUNGS	2.4E-07	6.7E-06	3.3E-06	2.7E-06	2.7E-06	1.8E-06	6.4E-06	3.4E-08	2.6E-06	5.3E-06	5.3E-06
MARROW (RED)	1.1E-05	5.4E-06	6.1E-05	1.3E-05	1.7E-05	2.6E-06	3.5E-06	1.5E-06	2.4E-06	6.7E-06	6.7E-06
OTH TISS (MUSC)	5.8E-06	5.3E-06	3.5E-06	2.9E-06	2.9E-06	2.5E-06	4.3E-06	3.4E-06	4.2E-06	4.9E-06	4.9E-06
OVARIES	7.2E-03	9.2E-07	8.1E-06	2.6E-06	2.6E-06	9.9E-07	2.2E-06	0.0	3.7E-08	5.9E-06	5.9E-06
PANCREAS	1.3E-06	1.2E-03	4.3E-06	2.5E-06	2.5E-06	1.5E-06	6.1E-05	1.3E-07	2.1E-07	6.3E-06	6.3E-06
SKIN	1.3E-06	1.2E-06	1.9E-06	2.2E-06	2.2E-06	2.5E-05	1.6E-06	4.8E-06	2.5E-06	3.2E-06	3.2E-06
SPLEEN	1.6E-06	6.0E-05	2.2E-06	2.1E-06	2.1E-06	1.7E-06	7.3E-04	2.2E-07	3.2E-07	6.0E-06	6.0E-06
TESTES	0.0	1.7E-07	9.8E-07	1.5E-06	1.5E-06	3.0E-06	2.1E-07	2.7E-03	6.4E-09	5.3E-06	5.3E-06
THYROID	3.7E-08	4.3E-07	2.2E-06	2.7E-06	2.7E-06	2.4E-06	3.4E-07	6.4E-09	4.2E-03	4.7E-06	4.7E-06
UTERUS (NONGRVD)	5.8E-05	1.6E-06	5.3E-06	1.6E-06	1.6E-06	1.3E-06	1.1E-06	0.0	3.5E-08	6.3E-06	6.3E-06
TOTAL BODY	6.7E-06	6.6E-06	5.6E-06	5.2E-06	5.2E-06	3.3E-06	5.8E-06	4.9E-06	4.7E-06	5.1E-06	5.1E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 CESIUM-131 HALF-LIFE 233. HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	1.5E-03	2.9E-10	1.8E-07	2.5E-08	6.1E-08	3.3E-09	4.5E-06	1.3E-06	3.5E-07	5.1E-07
BLADDER WALL	3.1E-10	8.4E-05	2.2E-09	2.8E-07	1.9E-07	1.3E-06	1.8E-09	9.8E-10	1.1E-10	4.6E-07
BONE (TOTAL)	6.8E-07	6.0E-08	1.5E-07	2.5E-07	2.3E-07	6.2E-07	3.6E-07	2.8E-07	4.9E-07	1.5E-07
GI (STOM WALL)	2.7E-07	2.3E-09	6.2E-05	6.8E-07	1.1E-06	2.4E-07	3.9E-07	2.0E-07	3.8E-07	3.6E-07
GI (SI)	2.0E-08	2.5E-07	3.3E-07	3.6E-05	7.1E-06	3.7E-06	3.2E-07	1.5E-07	2.8E-09	3.5E-07
GI (ULI WALL)	2.5E-08	1.5E-07	7.7E-07	1.3E-05	6.0E-05	1.5E-06	3.0E-07	4.1E-07	4.4E-09	3.9E-07
GI (LLI WALL)	2.4E-09	1.7E-06	9.2E-08	3.0E-06	8.6E-07	8.8E-05	3.3E-08	1.8E-09	4.8E-10	3.8E-07
KIDNEYS	4.4E-06	1.9E-09	4.0E-07	3.4E-07	2.8E-07	4.5E-08	1.0E-04	7.5E-07	6.1E-08	4.2E-07
LIVER	1.3E-06	1.4E-09	2.0E-07	2.2E-07	3.6E-07	2.3E-09	7.4E-07	2.3E-05	6.6E-07	2.6E-07
LUNGS	4.9E-07	2.7E-11	3.8E-07	3.7E-09	4.4E-09	3.4E-10	5.9E-08	7.8E-07	2.7E-05	4.8E-07
MARROW (RED)	1.1E-06	2.0E-07	1.8E-07	1.0E-06	9.3E-07	2.5E-06	9.6E-07	2.8E-07	5.8E-07	7.6E-07
OTH TISS (MUSC)	5.1E-07	4.6E-07	3.6E-07	3.5E-07	3.3E-07	3.8E-07	4.2E-07	2.6E-07	4.8E-07	1.1E-06
OVARIES	2.3E-09	1.3E-06	1.7E-08	3.0E-06	3.5E-06	8.4E-06	2.8E-08	1.0E-08	5.6E-10	5.9E-07
PANCREAS	1.8E-06	8.3E-10	6.6E-06	1.3E-07	1.4E-07	2.9E-08	1.2E-06	8.0E-07	4.3E-07	5.8E-07
SKIN	1.0E-07	8.1E-08	7.3E-08	3.7E-08	4.7E-08	5.6E-08	1.2E-07	7.8E-08	9.2E-08	2.6E-07
SPLEEN	1.5E-06	5.7E-10	2.5E-06	1.3E-07	8.2E-08	3.2E-08	3.2E-06	4.2E-08	6.0E-07	4.5E-07
TESTES	2.1E-11	7.5E-07	1.2E-10	3.1E-09	3.1E-09	2.1E-07	1.2E-10	7.5E-11	9.5E-12	2.7E-07
THYROID	2.0E-10	2.9E-13	1.3E-10	6.6E-12	7.9E-12	1.6E-12	4.2E-11	2.2E-10	4.1E-08	5.5E-07
UTERUS (NONGRVD)	1.2E-09	5.2E-06	1.1E-08	2.6E-06	6.8E-07	1.1E-06	1.8E-08	5.4E-09	4.4E-10	7.0E-07
TOTAL BODY	8.3E-07	6.7E-07	7.0E-07	8.4E-07	7.6E-07	7.9E-07	8.1E-07	8.4E-07	8.3E-07	7.0E-07

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131Cs

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 CESIUM-131 HALF-LIFE 233. HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID				
			R MARROW	CORT BONE	TRA	BONE						
ADRENALS	2.3E-09	1.9E-06	3.4E-07	1.6E-07	1.6E-07	1.1E-07	1.6E-06	2.1E-11	2.0E-10	7.1E-07		
BLADDER WALL	1.3E-06	6.3E-10	7.9E-08	1.6E-08	1.6E-08	9.0E-08	6.6E-10	8.4E-07	3.0E-13	7.6E-07		
BONE (TOTAL)	3.8E-07	2.5E-07	2.2E-06	6.3E-06	6.2E-06	4.2E-07	2.8E-07	6.0E-08	1.5E-07	1.2E-06		
GI (STOM WALL)	2.8E-08	7.4E-06	6.3E-08	5.1E-08	5.1E-08	9.6E-08	2.5E-06	1.4E-10	4.0E-10	7.7E-07		
GI (SI)	4.5E-06	9.6E-08	3.2E-07	8.3E-08	8.3E-08	4.2E-08	7.7E-08	3.6E-09	6.6E-12	8.6E-07		
GI (ULI WALL)	4.9E-06	1.4E-07	2.9E-07	6.8E-08	6.8E-08	5.7E-08	1.1E-07	3.4E-09	8.0E-12	8.7E-07		
GI (LLI WALL)	6.9E-06	1.7E-08	6.3E-07	1.7E-07	1.7E-07	4.4E-08	2.4E-08	3.3E-07	1.2E-12	8.3E-07		
KIDNEYS	2.9E-08	1.2E-06	2.5E-07	8.8E-08	8.8E-08	1.3E-07	3.1E-06	8.9E-11	4.2E-11	7.4E-07		
LIVER	1.3E-08	7.9E-07	7.6E-08	8.0E-08	8.0E-08	8.5E-08	3.2E-08	6.2E-11	4.1E-10	8.1E-07		
LUNGS	2.0E-10	4.3E-07	1.8E-07	1.5E-07	1.5E-07	1.2E-07	5.9E-07	2.8E-12	6.3E-08	8.3E-07		
MARROW (RED)	1.6E-06	4.5E-07	1.8E-05	3.1E-06	3.1E-06	3.8E-07	3.0E-07	3.5E-08	1.4E-07	1.3E-06		
OTH TISS (MUSC)	5.9E-07	5.8E-07	1.9E-07	1.5E-07	1.5E-07	2.6E-07	4.5E-07	2.7E-07	5.5E-07	7.0E-07		
OVARIES	2.0E-03	6.0E-09	2.8E-07	1.8E-07	1.8E-07	3.8E-08	6.1E-09	0.0	1.1E-12	8.1E-07		
PANCREAS	5.1E-09	3.2E-04	1.1E-07	7.0E-08	7.0E-08	4.3E-08	8.8E-06	5.1E-11	1.8E-10	8.3E-07		
SKIN	2.5E-08	2.7E-08	9.8E-08	1.1E-07	1.1E-07	7.0E-06	7.4E-08	6.6E-07	2.5E-07	4.8E-07		
SPLEEN	6.2E-09	8.5E-06	7.4E-08	9.5E-08	9.5E-08	7.6E-08	1.8E-04	4.3E-11	2.3E-10	8.3E-07		
TESTES	0.0	5.1E-11	1.7E-08	4.1E-08	4.1E-08	4.5E-07	4.3E-11	7.1E-04	3.1E-14	6.5E-07		
THYROID	1.1E-12	1.8E-10	4.6E-08	9.3E-08	9.3E-08	2.5E-07	1.1E-10	3.1E-14	1.1E-03	6.5E-07		
UTERUS (NONGRVD)	6.8E-06	6.8E-09	1.5E-07	5.8E-08	5.8E-08	3.3E-08	3.1E-09	0.0	9.8E-13	8.2E-07		
TOTAL BODY	8.9E-07	8.9E-07	8.4E-07	8.4E-07	8.4E-07	5.2E-07	8.5E-07	7.0E-07	7.4E-07	7.7E-07		

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CESIUM-134 HALF-LIFE 1.80E 04 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	3.1E-02	2.7E-06	2.4E-05	1.4E-05	1.2E-05	5.5E-06	1.4E-04	5.4E-05	2.7E-05	1.7E-05
BLADDER WALL	1.9E-06	1.7E-03	5.3E-06	3.2E-05	2.2E-05	6.0E-05	4.7E-06	3.1E-06	9.2E-07	2.0E-05
BONE (TOTAL)	1.5E-05	6.4E-06	6.6E-06	8.7E-06	7.8E-06	1.1E-05	1.1E-05	8.0E-06	1.1E-05	1.2E-05
GI (STOM WALL)	3.3E-05	4.7E-06	1.3E-03	3.8E-05	4.0E-05	1.9E-05	3.7E-05	2.1E-05	2.1E-05	1.6E-05
GI (SI)	1.1E-05	2.9E-05	2.9E-05	7.9E-04	1.8E-04	9.8E-05	3.1E-05	1.8E-05	3.3E-06	1.7E-05
GI (ULI WALL)	1.2E-05	2.4E-05	3.5E-05	2.5E-04	1.3E-03	4.5E-05	3.2E-05	2.8E-05	4.5E-06	1.8E-05
GI (LLI WALL)	3.5E-06	7.6E-05	1.5E-05	7.5E-05	3.5E-05	1.9E-03	9.8E-06	3.4E-06	9.5E-07	1.9E-05
KIDNEYS	1.3E-04	4.2E-06	3.6E-05	3.5E-05	3.1E-05	9.7E-06	2.0E-03	4.1E-05	1.1E-05	1.6E-05
LIVER	5.3E-05	3.3E-06	2.2E-05	2.0E-05	2.7E-05	4.1E-06	4.3E-05	4.8E-04	2.6E-05	1.2E-05
LUNGS	2.6E-05	7.2E-07	2.0E-05	3.8E-06	4.2E-06	1.4E-06	1.1E-05	2.7E-05	5.2E-04	1.5E-05
MARROW (RED)	2.7E-05	1.3E-05	1.1E-05	2.7E-05	2.3E-05	3.4E-05	2.7E-05	1.2E-05	1.4E-05	1.5E-05
OTH TISS (MUSC)	1.7E-05	2.0E-05	1.6E-05	1.7E-05	1.6E-05	1.9E-05	1.6E-05	1.2E-05	1.5E-05	3.0E-05
OVARIES	6.0E-06	6.1E-05	1.0E-05	1.0E-04	1.2E-04	1.8E-04	1.5E-05	4.9E-06	1.8E-06	2.2E-05
PANCREAS	9.4E-05	3.1E-06	1.9E-04	2.3E-05	2.1E-05	8.3E-06	7.4E-05	5.0E-05	2.8E-05	2.0E-05
SKIN	7.9E-06	7.6E-06	6.8E-06	6.2E-06	6.3E-06	6.8E-06	7.5E-06	6.9E-06	7.7E-06	1.0E-05
SPLEEN	6.9E-05	2.7E-06	1.0E-04	1.7E-05	1.4E-05	1.1E-05	9.2E-05	1.2E-05	2.4E-05	1.6E-05
TESTES	8.9E-07	5.5E-05	9.7E-07	4.9E-06	6.0E-06	2.0E-05	1.8E-06	1.9E-06	3.3E-07	1.4E-05
THYROID	2.3E-06	1.4E-07	1.8E-06	5.3E-07	5.6E-07	2.5E-07	1.2E-06	2.2E-06	1.4E-05	1.5E-05
UTERUS (NONGRVD)	4.8E-06	1.6E-04	1.0E-05	9.5E-05	5.1E-05	6.2E-05	9.4E-06	4.8E-06	1.2E-06	2.5E-05
TOTAL BODY	2.4E-05	2.1E-05	2.1E-05	2.6E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.1E-05	2.1E-05

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134Cs

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 CESIUM-134 HALF-LIFE 1.80E 04 HOURS

SOURCE ORGANS

TARGET ORGANS	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY
	R MARROW CORT BONE TRA BONE							
ADRENALS	6.6E-06	8.6E-05	2.5E-05	2.0E-05	8.2E-06	7.2E-05	2.3E-06	2.9E-05
BLADDER WALL	7.5E-05	1.9E-06	9.8E-06	6.4E-06	7.8E-06	2.6E-06	1.4E-07	2.6E-05
BONE (TOTAL)	1.0E-05	1.0E-05	4.2E-05	1.1E-04	9.6E-06	8.5E-06	8.3E-06	2.2E-05
GI (STOM WALL)	9.1E-06	1.9E-04	1.2E-05	6.3E-06	7.4E-06	1.1E-04	1.5E-06	2.4E-05
GI (SI)	1.3E-04	2.0E-05	2.9E-05	9.2E-06	6.4E-06	1.6E-05	2.5E-07	2.7E-05
GI (ULI WALL)	1.2E-04	2.4E-05	2.2E-05	8.2E-06	6.9E-06	1.6E-05	2.9E-07	2.6E-05
GI (LLI WALL)	1.5E-04	6.1E-06	3.4E-05	1.1E-05	7.1E-06	7.5E-06	2.2E-07	2.7E-05
KIDNEYS	1.3E-05	6.8E-05	2.6E-05	1.2E-05	8.6E-06	9.2E-05	9.2E-07	2.5E-05
LIVER	7.1E-06	4.5E-05	1.1E-05	8.0E-06	7.6E-06	1.2E-05	2.0E-06	2.5E-05
LUNGS	1.5E-06	2.6E-05	1.3E-05	1.1E-05	7.8E-06	2.4E-05	1.2E-05	2.2E-05
MARROW (RED)	3.3E-05	1.9E-05	2.6E-04	3.6E-05	8.9E-06	1.3E-05	9.1E-06	2.3E-05
OTH TISS (MUSC)	2.2E-05	2.0E-05	1.5E-05	1.2E-05	1.0E-05	1.6E-05	1.5E-05	2.1E-05
OVARIES	4.1E-02	7.3E-06	3.6E-05	1.2E-05	4.9E-06	9.4E-06	2.6E-07	2.2E-05
PANCREAS	8.0E-06	6.0E-03	1.6E-05	1.1E-05	6.1E-06	2.1E-04	8.3E-07	2.4E-05
SKIN	6.1E-06	6.0E-06	8.4E-06	9.7E-06	1.6E-04	7.2E-06	1.0E-05	1.6E-05
SPLEEN	7.4E-06	2.1E-04	1.0E-05	9.6E-06	8.0E-06	3.5E-03	1.8E-06	2.5E-05
TESTES	0.0	1.0E-06	4.8E-06	6.9E-06	9.8E-06	1.2E-06	5.8E-08	2.5E-05
THYROID	2.6E-07	1.4E-06	1.0E-05	9.8E-06	8.9E-06	1.8E-06	2.4E-02	2.2E-05
UTERUS (NONGRVD)	1.9E-04	6.9E-06	2.0E-05	8.1E-06	7.3E-06	5.9E-06	2.4E-07	2.8E-05
TOTAL BODY	2.7E-05	2.7E-05	2.3E-05	2.1E-05	1.6E-05	2.4E-05	2.0E-05	2.1E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 CESIUM-134M HALF-LIFE 2.90 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	1.7E-02	1.9E-08	4.5E-07	1.3E-07	1.5E-07	4.6E-08	3.3E-06	1.1E-06	5.0E-07	3.9E-07
BLADDER WALL	1.8E-08	6.2E-04	3.8E-08	4.6E-07	3.8E-07	1.5E-06	3.7E-08	2.1E-08	4.4E-09	4.2E-07
BONE (TOTAL)	5.6E-07	1.5E-07	1.9E-07	2.8E-07	2.6E-07	4.8E-07	3.5E-07	2.7E-07	4.1E-07	1.9E-07
GI (STOM WALL)	5.0E-07	3.7E-08	4.9E-04	7.7E-07	9.3E-07	3.4E-07	6.5E-07	3.3E-07	4.0E-07	3.1E-07
GI (SI)	1.2E-07	5.1E-07	5.0E-07	3.1E-04	5.1E-06	2.7E-06	5.2E-07	2.8E-07	2.6E-08	3.5E-07
GI (ULI WALL)	1.4E-07	3.5E-07	7.9E-07	8.6E-06	5.6E-04	1.1E-06	5.1E-07	5.1E-07	3.1E-08	3.7E-07
GI (LLI WALL)	3.0E-08	1.7E-06	2.0E-07	2.2E-06	7.8E-07	9.0E-04	1.1E-07	3.1E-08	8.5E-09	3.8E-07
KIDNEYS	3.2E-06	3.5E-08	6.3E-07	5.7E-07	5.0E-07	1.3E-07	8.0E-04	8.4E-07	1.4E-07	3.5E-07
LIVER	1.2E-06	2.2E-08	3.5E-07	3.4E-07	4.9E-07	3.3E-08	8.2E-07	1.4E-04	5.9E-07	2.5E-07
LUNGS	5.3E-07	3.1E-09	3.9E-07	3.0E-08	3.6E-08	1.0E-08	1.4E-07	6.5E-07	2.5E-04	3.6E-07
MARROW (RED)	9.4E-07	4.0E-07	3.0E-07	1.0E-06	9.0E-07	1.7E-06	9.3E-07	3.4E-07	5.0E-07	5.9E-07
OTH TISS (MUSC)	3.9E-07	4.2E-07	3.3E-07	3.5E-07	3.3E-07	3.8E-07	3.5E-07	2.5E-07	3.6E-07	8.9E-06
OVARIES	8.3E-08	1.5E-06	7.7E-08	2.7E-06	3.0E-06	5.6E-06	1.6E-07	6.3E-08	1.2E-08	5.0E-07
PANCREAS	2.0E-06	2.9E-08	5.1E-06	3.3E-07	3.7E-07	1.1E-07	1.4E-06	9.1E-07	5.3E-07	4.7E-07
SKIN	1.1E-07	1.1E-07	8.8E-08	6.9E-08	7.3E-08	8.6E-08	1.2E-07	9.6E-08	1.1E-07	2.0E-07
SPLEEN	1.5E-06	1.0E-07	2.4E-06	2.6E-07	2.3E-07	1.2E-07	2.4E-06	1.4E-07	5.5E-07	3.7E-07
TESTES	3.8E-09	9.4E-07	6.3E-09	4.1E-08	3.6E-08	3.2E-07	1.1E-08	7.7E-09	9.2E-10	2.6E-07
THYROID	1.6E-08	2.3E-10	1.1E-08	1.7E-09	1.9E-09	6.1E-10	5.8E-09	1.7E-08	1.4E-07	3.9E-07
UTERUS (NONGRVD)	1.0E-07	4.2E-06	1.1E-07	2.4E-06	1.0E-06	1.4E-06	1.3E-07	5.4E-08	1.1E-08	5.9E-07
TOTAL BODY	3.9E-06	9.1E-07	1.5E-06	3.3E-06	2.2E-06	2.6E-06	3.9E-06	3.9E-06	3.9E-06	3.8E-06

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134mCs

(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)

CESIUM-134M HALF-LIFE 2.90 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID		
			R	CORT	BONE	TRA	BONE				
ADRENALS	4.3E-08	2.0E-06	4.3E-07	2.0E-07	2.0E-07	2.0E-07	1.3E-07	1.5E-06	3.8E-09	1.6E-08	3.8E-06
BLADDER WALL	1.5E-06	1.9E-08	1.7E-07	7.6E-08	7.6E-08	7.6E-08	1.0E-07	1.4E-08	9.9E-07	2.3E-10	3.8E-06
BONE (TOTAL)	3.7E-07	3.1E-07	7.5E-06	5.0E-05	4.0E-05	4.0E-05	3.1E-07	2.8E-07	1.5E-07	2.0E-07	4.1E-06
GI (STOM WALL)	1.2E-07	5.3E-06	1.5E-07	9.4E-08	9.4E-08	9.4E-08	1.1E-07	2.4E-06	3.9E-09	6.4E-09	3.8E-06
GI (SI)	3.4E-06	2.8E-07	4.8E-07	1.3E-07	1.3E-07	1.3E-07	7.7E-08	2.2E-07	4.7E-08	1.0E-09	3.9E-06
GI (ULI WALL)	3.4E-06	3.5E-07	4.0E-07	1.2E-07	1.2E-07	1.2E-07	8.6E-08	2.4E-07	4.1E-08	1.5E-09	3.9E-06
GI (LLI WALL)	4.6E-06	8.3E-08	6.4E-07	2.0E-07	2.0E-07	2.0E-07	8.2E-08	9.1E-08	5.0E-07	4.9E-10	3.9E-06
KIDNEYS	1.3E-07	1.4E-06	3.9E-07	1.4E-07	1.4E-07	1.4E-07	1.3E-07	2.5E-06	4.9E-09	4.3E-09	3.8E-06
LIVER	7.6E-08	9.2E-07	1.5E-07	1.2E-07	1.2E-07	1.2E-07	1.1E-07	1.4E-07	3.8E-09	1.2E-08	3.9E-06
LUNGS	7.7E-09	5.2E-07	2.3E-07	1.9E-07	1.9E-07	1.9E-07	1.3E-07	5.4E-07	7.2E-10	1.5E-07	3.8E-06
MARROW (RED)	1.4E-06	5.8E-07	1.4E-04	2.2E-06	2.2E-06	2.2E-06	2.9E-07	3.6E-07	1.2E-07	2.1E-07	4.2E-06
OTH TISS (MUSC)	5.0E-07	4.7E-07	2.3E-07	1.9E-07	1.9E-07	1.9E-07	2.0E-07	3.7E-07	2.6E-07	3.9E-07	3.8E-06
OVARIES	2.2E-02	5.9E-08	5.7E-07	1.7E-07	1.7E-07	1.7E-07	6.4E-08	5.1E-08	0.0	5.6E-10	3.9E-06
PANCREAS	6.9E-08	2.5E-03	2.7E-07	1.4E-07	1.4E-07	1.4E-07	7.3E-08	6.0E-06	6.7E-09	8.6E-09	3.9E-06
SKIN	6.4E-08	6.4E-08	1.2E-07	1.3E-07	1.3E-07	1.3E-07	9.2E-05	9.2E-05	4.4E-07	2.0E-07	3.6E-06
SPLEEN	6.6E-08	6.0E-06	1.5E-07	1.1E-07	1.1E-07	1.1E-07	1.0E-07	1.4E-03	2.2E-09	1.4E-08	3.9E-06
TESTES	0.0	6.7E-09	7.1E-08	1.0E-07	1.0E-07	1.0E-07	2.9E-07	5.9E-09	7.0E-03	5.3E-11	3.7E-06
THYROID	5.6E-10	1.5E-08	1.1E-07	1.4E-07	1.4E-07	1.4E-07	1.9E-07	1.1E-08	5.3E-11	1.2E-02	3.7E-06
UTERUS (NONGRVD)	5.5E-06	7.0E-08	3.6E-07	9.8E-08	9.8E-08	9.8E-08	6.8E-08	5.5E-08	0.0	5.1E-10	3.9E-06
TOTAL BODY	4.0E-06	4.0E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.6E-06	3.9E-06	3.8E-06	3.8E-06	3.8E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 CESIUM-137 HALF-LIFE 2.63E 05 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	2.9E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
BLADDER WALL	0.0	1.0E-03	0.0	0.0	0.0	0.0	0.0	0.0	
BONE (TOTAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
GI (STOM WALL)	0.0	0.0	8.0E-04	0.0	0.0	0.0	0.0	0.0	
GI (SI)	0.0	0.0	5.0E-04	0.0	0.0	0.0	0.0	0.0	
GI (ULI WALL)	0.0	0.0	0.0	9.1E-04	0.0	0.0	0.0	0.0	
GI (LLI WALL)	0.0	0.0	0.0	0.0	1.5E-03	0.0	0.0	0.0	
KIDNEYS	0.0	0.0	0.0	0.0	0.0	1.3E-03	0.0	0.0	
LIVER	0.0	0.0	0.0	0.0	0.0	2.2E-04	0.0	0.0	
LUNGS	0.0	0.0	0.0	0.0	0.0	0.0	4.0E-04	0.0	
MARROW (RED)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
OTH TISS (MUSC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4E-05	
OVARIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PANCREAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SKIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SPLEEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TESTES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
THYROID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
UTERUS (NONGRVD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL BODY	5.7E-06	6.5E-07	1.7E-06	4.6E-06	2.7E-06	5.7E-06	5.7E-06	5.7E-06	

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137Cs

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 CESIUM-137 HALF-LIFE 2.63E 05 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	BONE				
			R MARROW	CORT	BONE	TRA	BONE					
ADRENALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7E-06
BLADDER WALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7E-06
BONE (TOTAL)	0.0	0.0	1.7E-05	8.0E-05	5.4E-05	0.0	0.0	0.0	0.0	0.0	0.0	5.7E-06
GI (STOM WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7E-06
GI (SI)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7E-06
GI (ULI WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7E-06
GI (LLI WALL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7E-06
KIDNEYS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7E-06
LIVER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7E-06
LUNGS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7E-06
MARROW (RED)	0.0	0.0	2.1E-04	1.3E-06	8.7E-05	0.0	0.0	0.0	0.0	0.0	0.0	5.7E-06
OTH TISS (MUSC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7E-06
OVARIES	3.7E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7E-06
PANCREAS	0.0	4.0E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7E-06
SKIN	0.0	0.0	0.0	0.0	0.0	1.5E-04	0.0	0.0	0.0	0.0	0.0	5.7E-06
SPLEEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2E-03	0.0	0.0	0.0	5.7E-06
TESTES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1E-02	0.0	0.0	5.7E-06
THYROID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0E-02	0.0	5.7E-06
UTERUS (NONGRVD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7E-06
TOTAL BODY	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06

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S, ABSORBED DOSE (RAD) PER 1 UCI-H
OF CESIUM-137 (HALF-LIFE 2.63E 05 HOURS) AND 0.946 UCI-H OF BARIUM-137M (HALF-LIFE 4.25E-02 HOURS)

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	4.0E-02	9.7E-07	8.6E-06	5.0E-06	4.4E-06	2.0E-06	5.1E-05	2.0E-05	9.8E-06	6.3E-06
BLADDER WALL	6.3E-07	1.6E-03	1.9E-06	1.2E-05	8.1E-06	2.2E-05	1.7E-06	1.2E-06	3.3E-07	7.2E-06
BONE (TOTAL)	5.6E-06	2.3E-06	2.4E-06	3.2E-06	2.9E-06	4.2E-06	4.0E-06	3.0E-06	4.1E-06	4.5E-06
GI (STOM WALL)	1.2E-05	1.6E-06	1.3E-03	1.4E-05	1.5E-05	7.0E-06	1.4E-05	7.8E-06	7.6E-06	5.7E-06
GI (SI)	3.9E-06	1.1E-05	1.1E-05	7.9E-04	6.6E-05	3.6E-05	1.1E-05	6.4E-06	1.2E-06	6.3E-06
GI (ULI WALL)	4.4E-06	9.1E-06	1.3E-05	9.3E-05	1.4E-03	1.7E-05	1.2E-05	1.0E-05	1.6E-06	6.6E-06
GI (LLI WALL)	1.3E-06	2.8E-05	5.3E-06	2.8E-05	1.3E-05	2.2E-03	3.6E-06	1.3E-06	3.4E-07	6.9E-06
KIDNEYS	4.6E-05	1.5E-06	1.3E-05	1.3E-05	1.1E-05	3.5E-06	2.0E-03	1.5E-05	4.2E-06	5.9E-06
LIVER	2.0E-05	1.2E-06	8.2E-06	7.4E-06	1.0E-05	1.5E-06	1.6E-05	4.0E-04	9.7E-06	4.6E-06
LUNGS	9.5E-06	2.4E-07	7.4E-06	1.4E-06	1.5E-06	5.0E-07	3.9E-06	9.8E-06	5.9E-04	5.5E-06
MARROW (RED)	9.9E-06	5.0E-06	4.2E-06	1.0E-05	8.6E-06	1.3E-05	1.0E-05	4.3E-06	5.1E-06	5.6E-06
OTH TISS (MUSC)	6.3E-06	7.2E-06	5.7E-06	6.3E-06	6.0E-06	6.9E-06	5.9E-06	4.6E-06	5.5E-06	2.5E-05
OVARIES	2.2E-06	2.3E-05	3.4E-06	3.8E-05	4.5E-05	6.6E-05	5.3E-06	1.5E-06	6.5E-07	8.1E-06
PANCREAS	3.5E-05	1.1E-06	7.0E-05	8.4E-06	7.6E-06	3.0E-06	2.7E-05	1.9E-05	1.1E-05	7.3E-06
SKIN	2.9E-06	2.7E-06	2.5E-06	2.2E-06	2.3E-06	2.4E-06	2.7E-06	2.5E-06	2.8E-06	3.8E-06
SPLEEN	2.6E-05	9.7E-07	3.8E-05	6.4E-06	5.2E-06	4.0E-06	3.4E-05	4.3E-06	8.8E-06	6.0E-06
TESTES	3.2E-07	2.0E-05	2.9E-07	1.7E-06	2.2E-06	7.7E-06	6.4E-07	6.6E-07	1.2E-07	5.1E-06
THYROID	8.4E-07	4.9E-08	6.5E-07	1.8E-07	2.0E-07	8.7E-08	4.2E-07	7.8E-07	5.2E-06	5.6E-06
UTERUS (NONGRVD)	1.7E-06	6.0E-05	3.7E-06	3.5E-05	1.8E-05	2.3E-05	3.4E-06	1.7E-06	4.2E-07	8.8E-06
TOTAL BODY	1.4E-05	8.5E-06	9.5E-06	1.4E-05	1.1E-05	1.2E-05	1.5E-05	1.5E-05	1.4E-05	1.4E-05

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137Cs+137mBa

S, ABSORBED DOSE (RAD) PER 1 UCI-H (CONTINUED)
 OF CESIUM-137 (HALF-LIFE 2.63E 05 HOURS) AND 0.946 UCI-H OF BARIUM-137M (HALF-LIFE 4.25E-02 HOURS)

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	TRA BONE				
			R MARROW	CORT BONE								
ADRENALS	2.4E-06	3.2E-05	8.7E-06	7.2E-06	7.2E-06	2.9E-06	2.6E-05	3.2E-07	8.4E-07	1.6E-05		
BLADDER WALL	2.8E-05	7.1E-07	3.4E-06	2.4E-06	2.4E-06	2.8E-06	8.5E-07	2.1E-05	4.9E-08	1.5E-05		
BONE (TOTAL)	3.7E-06	3.7E-06	3.4E-05	1.2E-04	8.4E-05	3.5E-06	3.1E-06	2.7E-06	3.1E-06	1.4E-05		
GI (STOM WALL)	3.3E-06	6.9E-05	4.3E-06	2.3E-06	2.3E-06	2.7E-06	3.9E-05	4.4E-07	5.4E-07	1.5E-05		
GI (SI)	4.7E-05	7.2E-06	1.1E-05	3.3E-06	3.3E-06	2.3E-06	5.6E-06	2.2E-06	7.3E-08	1.6E-05		
GI (ULI WALL)	4.4E-05	8.8E-06	8.2E-06	3.0E-06	3.0E-06	2.5E-06	5.7E-06	1.4E-06	8.8E-08	1.5E-05		
GI (LLI WALL)	5.7E-05	2.2E-06	1.2E-05	4.0E-06	4.0E-06	2.6E-06	2.8E-06	1.1E-05	7.4E-08	1.6E-05		
KIDNEYS	4.6E-06	2.5E-05	9.6E-06	4.1E-06	4.1E-06	3.1E-06	3.4E-05	4.8E-07	3.0E-07	1.5E-05		
LIVER	2.6E-06	1.7E-05	4.1E-06	2.9E-06	2.9E-06	2.8E-06	4.4E-06	2.8E-07	7.0E-07	1.5E-05		
LUNGS	5.2E-07	9.6E-06	4.9E-06	4.0E-06	4.0E-06	2.8E-06	8.9E-06	7.9E-08	4.5E-06	1.4E-05		
MARROW (RED)	1.2E-05	7.0E-06	3.0E-04	1.6E-05	1.4E-04	3.3E-06	4.6E-06	2.1E-06	3.4E-06	1.4E-05		
OTH TISS (MUSC)	8.1E-06	7.3E-06	5.3E-06	4.5E-06	4.5E-06	3.8E-06	6.0E-06	5.1E-06	5.6E-06	1.4E-05		
OVARIES	5.2E-02	2.4E-06	1.3E-05	4.3E-06	4.3E-06	1.7E-06	3.7E-06	0.0	8.8E-08	1.4E-05		
PANCREAS	2.8E-06	6.2E-03	6.3E-06	3.8E-06	3.8E-06	2.3E-06	7.8E-05	2.4E-07	2.6E-07	1.5E-05		
SKIN	2.2E-06	2.2E-06	3.1E-06	3.6E-06	3.6E-06	2.1E-04	2.6E-06	6.5E-06	3.6E-06	1.1E-05		
SPLEEN	2.7E-06	7.7E-05	3.6E-06	3.5E-06	3.5E-06	2.9E-06	3.5E-03	4.5E-07	6.4E-07	1.5E-05		
TESTES	0.0	3.4E-07	1.8E-06	2.5E-06	2.5E-06	3.6E-06	4.2E-07	1.7E-02	1.9E-08	1.5E-05		
THYROID	8.8E-08	5.6E-07	3.8E-06	3.8E-06	3.8E-06	3.3E-06	6.3E-07	1.9E-08	2.9E-02	1.4E-05		
UTERUS (NONGRVD)	7.1E-05	2.5E-06	7.4E-06	2.8E-06	2.8E-06	2.6E-06	2.1E-06	0.0	8.3E-08	1.6E-05		
TOTAL BODY	1.6E-05	1.6E-05	1.4E-05	1.3E-05	1.3E-05	1.1E-05	1.5E-05	1.3E-05	1.3E-05	1.4E-05		

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 BARIUM-133 HALF-LIFE 9.12E 04 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	1.0E-02	5.5E-07	6.7E-06	3.8E-06	2.7E-06	1.3E-06	3.8E-05	1.6E-05	7.4E-06	4.9E-06
BLADDER WALL	3.1E-07	5.7E-04	8.9E-07	8.6E-06	5.9E-06	1.9E-05	9.1E-07	6.5E-07	1.6E-07	5.7E-06
BONE (TOTAL)	5.6E-06	2.1E-06	2.2E-06	3.1E-06	2.8E-06	4.6E-06	3.8E-06	2.9E-06	4.1E-06	3.2E-06
GI (STOM WALL)	8.5E-06	8.1E-07	4.3E-04	1.1E-05	1.2E-05	5.4E-06	1.0E-05	5.6E-06	5.8E-06	4.5E-06
GI (SI)	2.5E-06	8.1E-06	7.8E-06	2.6E-04	5.8E-05	3.2E-05	8.3E-06	4.7E-06	6.3E-07	4.9E-06
GI (ULI WALL)	2.7E-06	6.7E-06	1.1E-05	8.6E-05	4.3E-04	1.4E-05	8.4E-06	7.6E-06	8.2E-07	5.1E-06
GI (LLI WALL)	7.7E-07	2.3E-05	3.7E-06	2.4E-05	9.8E-06	6.3E-04	2.4E-06	7.4E-07	2.5E-07	5.3E-06
KIDNEYS	3.9E-05	8.8E-07	1.0E-05	9.1E-06	8.1E-06	2.5E-06	6.6E-04	1.2E-05	2.7E-06	4.6E-06
LIVER	1.6E-05	6.5E-07	5.9E-06	5.4E-06	7.6E-06	8.3E-07	1.2E-05	1.6E-04	7.9E-06	3.5E-06
LUNGS	7.5E-06	9.5E-08	5.6E-06	7.8E-07	8.3E-07	2.5E-07	2.5E-06	8.1E-06	1.8E-04	4.4E-06
MARROW (RED)	9.9E-06	4.8E-06	3.8E-06	1.0E-05	9.1E-06	1.5E-05	9.9E-06	4.0E-06	5.1E-06	5.7E-06
OTH TISS (MUSC)	4.9E-06	5.7E-06	4.5E-06	4.9E-06	4.6E-06	5.3E-06	4.6E-06	3.5E-06	4.4E-06	9.1E-06
OVARIES	1.5E-06	2.2E-05	1.3E-06	3.2E-05	3.9E-05	6.4E-05	3.3E-06	1.0E-06	3.6E-07	6.5E-06
PANCREAS	2.7E-05	7.5E-07	6.1E-05	5.9E-06	6.1E-06	2.0E-06	2.0E-05	1.3E-05	8.1E-06	5.9E-06
SKIN	1.9E-06	1.8E-06	1.6E-06	1.4E-06	1.4E-06	1.6E-06	1.9E-06	1.7E-06	1.9E-06	2.7E-06
SPLEEN	2.1E-05	6.2E-07	3.2E-05	4.5E-06	3.8E-06	2.4E-06	2.9E-05	2.7E-06	7.2E-06	4.8E-06
TESTES	1.5E-07	1.5E-05	1.2E-07	9.6E-07	1.1E-06	6.0E-06	3.4E-07	2.5E-07	4.7E-08	3.7E-06
THYROID	4.7E-07	1.6E-08	3.5E-07	7.9E-08	8.6E-08	3.4E-08	2.1E-07	5.4E-07	2.8E-06	4.6E-06
UTERUS (NONGRVD)	3.7E-06	5.2E-05	2.3E-06	3.0E-05	1.4E-05	2.0E-05	2.6E-06	1.1E-06	2.6E-07	7.1E-06
TOTAL BODY	7.3E-06	6.4E-06	6.5E-06	7.9E-06	7.2E-06	7.4E-06	7.3E-06	7.4E-06	6.7E-06	6.3E-06

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133Ba

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 BARIUM-133 HALF-LIFE 9.12E 04 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	BONE				
								R MARROW	CORT	TRA		
ADRENALS	1.3E-06	2.7E-05	4.2E-06	2.2E-06	2.0E-05	1.5E-07	4.7E-07	6.7E-06	4.2E-06	4.2E-06	1.5E-07	8.0E-06
BLADDER WALL	2.1E-05	4.7E-07	1.6E-06	1.7E-06	4.0E-07	1.5E-05	1.6E-08	2.2E-06	1.6E-06	1.6E-06	1.5E-05	7.5E-06
BONE (TOTAL)	3.9E-06	3.5E-06	3.9E-05	3.2E-06	3.0E-06	2.2E-06	2.6E-06	1.3E-05	3.6E-05	3.6E-05	2.2E-06	7.9E-06
GI (STOM WALL)	2.3E-06	6.2E-05	1.7E-06	1.8E-06	3.1E-05	2.1E-07	2.2E-07	3.0E-06	1.7E-06	1.7E-06	2.2E-07	7.6E-06
GI (SI)	4.1E-05	5.1E-06	2.3E-06	1.5E-06	4.0E-06	1.3E-06	3.1E-08	7.8E-06	2.3E-06	2.3E-06	3.1E-08	8.2E-06
GI (ULI WALL)	3.9E-05	6.3E-06	2.1E-06	1.5E-06	3.8E-06	9.3E-07	2.9E-08	6.2E-06	2.1E-06	2.1E-06	2.9E-07	7.9E-06
GI (LLI WALL)	5.1E-05	1.6E-06	3.1E-06	1.6E-06	1.9E-06	8.3E-06	2.8E-08	9.3E-06	3.1E-06	3.1E-06	2.8E-08	7.7E-06
KIDNEYS	2.9E-06	2.0E-05	2.6E-06	2.1E-06	3.0E-05	2.0E-07	1.1E-07	6.7E-06	2.6E-06	2.6E-06	1.1E-07	7.3E-06
LIVER	1.6E-06	1.3E-05	2.0E-06	1.8E-06	2.9E-06	1.2E-07	3.6E-07	2.8E-06	2.0E-06	2.0E-06	3.6E-07	7.3E-06
LUNGS	2.4E-07	7.6E-06	3.0E-06	2.0E-06	7.2E-06	3.3E-08	2.9E-06	3.6E-06	3.0E-06	3.0E-06	2.9E-08	6.8E-06
MARROW (RED)	1.4E-05	6.6E-06	1.1E-04	3.0E-06	4.3E-06	1.7E-06	2.8E-06	1.1E-04	1.5E-05	2.5E-05	1.7E-06	8.8E-06
OTH TISS (MUSC)	6.5E-06	5.9E-06	3.2E-06	2.7E-06	4.8E-06	3.7E-06	4.6E-06	3.8E-06	3.2E-06	3.2E-06	3.7E-06	6.3E-06
OVARIES	1.4E-02	9.7E-07	2.7E-06	1.2E-06	2.1E-06	0.0	3.3E-08	8.7E-06	2.7E-06	2.7E-06	3.3E-08	7.5E-06
PANCREAS	1.4E-06	2.0E-03	2.8E-06	1.6E-06	6.8E-05	1.5E-07	2.4E-07	4.8E-06	2.8E-06	2.8E-06	2.4E-07	8.1E-06
SKIN	1.4E-06	1.3E-06	2.3E-06	5.2E-05	1.7E-06	5.2E-06	2.7E-06	2.1E-06	2.3E-06	2.3E-06	2.7E-06	4.4E-06
SPLEEN	1.7E-06	6.7E-05	2.2E-06	1.8E-06	1.2E-03	1.9E-07	3.3E-07	2.5E-06	2.2E-06	2.2E-06	3.3E-07	7.5E-06
TESTES	0.0	1.8E-07	1.7E-06	3.4E-06	2.1E-07	4.7E-03	5.3E-09	1.0E-06	1.7E-06	1.7E-06	4.7E-03	6.3E-06
THYROID	3.3E-08	4.4E-07	2.9E-06	2.6E-06	3.4E-07	5.3E-09	7.8E-03	2.3E-06	2.9E-06	2.9E-06	5.3E-09	6.0E-06
UTERUS (NONGRVD)	6.7E-05	1.7E-06	1.7E-06	1.4E-06	1.2E-06	0.0	3.1E-08	6.1E-06	1.7E-06	1.7E-06	3.1E-08	8.1E-06
TOTAL BODY	8.4E-06	8.3E-06	6.7E-06	4.5E-06	7.4E-06	6.3E-06	6.1E-06	7.2E-06	6.7E-06	6.7E-06	6.3E-06	6.5E-06

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S. ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 BARIUM-135M HALF-LIFE 28.7 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	ULI CONTENTS	LLI CONTENTS				
ADRENALS	3.3E-02	6.2E-08	4.9E-07	3.4E-07	1.5E-07	6.3E-06	2.4E-06	1.0E-06	8.1E-07
BLADDER WALL	3.6E-08	1.2E-03	8.6E-08	7.9E-07	2.9E-06	1.0E-07	6.2E-08	1.7E-08	8.7E-07
BONE (TOTAL)	9.8E-07	2.7E-07	3.3E-07	4.4E-07	8.3E-07	6.1E-07	4.7E-07	7.1E-07	4.3E-07
GI (STOM WALL)	1.1E-06	9.2E-08	9.4E-04	1.9E-06	7.3E-07	1.3E-06	7.5E-07	8.5E-07	6.9E-07
GI (SI)	2.9E-07	1.1E-06	1.1E-06	1.0E-05	5.4E-06	1.1E-06	6.2E-07	6.9E-08	7.3E-07
GI (ULI WALL)	3.1E-07	8.5E-07	1.6E-06	1.1E-03	2.3E-06	1.1E-06	1.1E-06	8.7E-08	7.8E-07
GI (LLI WALL)	8.1E-08	3.4E-06	4.7E-07	1.5E-06	1.7E-03	2.9E-07	8.1E-08	3.3E-08	7.9E-07
KIDNEYS	6.6E-06	9.5E-08	1.4E-06	1.1E-06	3.2E-07	1.5E-03	1.7E-06	3.3E-07	7.2E-07
LIVER	2.4E-06	7.2E-08	7.6E-07	1.1E-06	9.4E-08	1.7E-06	2.7E-04	1.2E-06	5.2E-07
LUNGS	1.1E-06	9.4E-09	8.1E-07	9.3E-08	2.8E-08	3.1E-07	1.3E-06	4.6E-04	7.3E-07
MARROW (RED)	1.7E-06	6.7E-07	5.3E-07	1.5E-06	2.9E-06	1.6E-06	6.0E-07	8.7E-07	1.0E-06
OTH TISS (MUSC)	8.1E-07	8.7E-07	6.9E-07	6.9E-07	7.9E-07	7.2E-07	5.2E-07	7.3E-07	1.7E-05
OVARIES	1.8E-07	3.2E-06	1.5E-07	6.1E-06	1.2E-05	4.0E-07	1.4E-07	4.1E-08	1.0E-06
PANCREAS	4.0E-06	9.2E-08	1.0E-05	7.4E-07	2.4E-07	2.8E-06	1.8E-06	1.1E-06	9.5E-07
SKIN	2.6E-07	2.4E-07	2.1E-07	1.8E-07	2.1E-07	2.7E-07	2.2E-07	2.5E-07	4.2E-07
SPLEEN	3.1E-06	5.1E-08	4.9E-06	4.9E-07	2.8E-07	4.9E-06	3.3E-07	1.1E-06	7.6E-07
TESTES	1.6E-08	2.0E-06	1.8E-08	1.1E-07	7.9E-07	3.8E-08	2.8E-08	4.7E-09	5.6E-07
THYROID	5.2E-08	1.5E-09	3.9E-08	8.9E-09	3.3E-09	2.2E-08	6.7E-08	3.1E-07	7.9E-07
UTERUS (NONGRVD)	6.0E-07	8.5E-06	2.7E-07	4.7E-06	2.9E-06	3.3E-07	1.3E-07	3.1E-08	1.2E-06
TOTAL BODY	7.4E-06	1.7E-06	2.9E-06	4.1E-06	4.9E-06	7.4E-06	7.4E-06	7.3E-06	7.2E-06

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135mBa

(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 BARIUM-135M HALF-LIFE 28.7 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	1.3E-07	3.9E-06	1.0E-06	5.3E-07	5.3E-07	3.3E-07	3.1E-06	1.6E-08	5.2E-08	1.6E-08	7.4E-06
BLADDER WALL	3.1E-06	5.1E-08	2.9E-07	1.7E-07	1.7E-07	2.4E-07	5.1E-08	2.1E-06	1.5E-09	1.5E-06	7.3E-06
BONE (TOTAL)	6.4E-07	5.3E-07	2.3E-05	9.3E-05	6.2E-05	5.6E-07	4.8E-07	2.8E-07	3.7E-07	2.8E-07	7.6E-06
GI (STOM WALL)	2.7E-07	1.1E-05	3.8E-07	2.2E-07	2.2E-07	2.5E-07	4.8E-06	1.9E-08	1.9E-08	1.9E-08	7.4E-06
GI (SI)	6.8E-06	6.5E-07	1.0E-06	3.0E-07	3.0E-07	1.9E-07	5.0E-07	1.4E-07	4.3E-09	1.4E-07	7.5E-06
GI (ULI WALL)	6.8E-06	7.9E-07	8.6E-07	2.8E-07	2.8E-07	1.9E-07	4.8E-07	1.1E-07	3.4E-09	1.1E-07	7.4E-06
GI (LLI WALL)	9.1E-06	1.9E-07	1.4E-06	4.4E-07	4.4E-07	1.9E-07	2.2E-07	1.1E-06	2.7E-09	1.1E-06	7.4E-06
KIDNEYS	3.3E-07	2.8E-06	8.9E-07	3.5E-07	3.5E-07	3.0E-07	4.9E-06	2.0E-08	1.3E-08	2.0E-08	7.3E-06
LIVER	1.9E-07	1.9E-06	3.6E-07	2.7E-07	2.7E-07	2.4E-07	3.5E-07	1.3E-08	4.0E-08	1.3E-08	7.4E-06
LUNGS	2.5E-08	1.1E-06	5.0E-07	4.2E-07	4.2E-07	2.9E-07	1.1E-06	3.9E-09	3.5E-07	3.9E-09	7.3E-06
MARROW (RED)	2.4E-06	9.9E-07	2.3E-04	4.9E-06	1.1E-04	5.2E-07	6.5E-07	2.2E-07	3.9E-07	2.2E-07	7.8E-06
OTH TISS (MUSC)	1.0E-06	9.5E-07	5.2E-07	4.3E-07	4.3E-07	4.2E-07	7.6E-07	5.6E-07	7.9E-07	5.6E-07	7.2E-06
OVARIES	4.2E-02	1.1E-07	1.0E-06	3.7E-07	3.7E-07	1.7E-07	2.2E-07	0.0	3.2E-09	3.2E-09	7.4E-06
PANCREAS	1.6E-07	4.7E-03	5.9E-07	3.8E-07	3.8E-07	2.1E-07	1.2E-05	2.1E-08	3.1E-08	2.1E-08	7.5E-06
SKIN	1.6E-07	1.6E-07	2.8E-07	3.1E-07	3.1E-07	1.7E-04	2.2E-07	9.0E-07	4.3E-07	4.3E-07	6.9E-06
SPLEEN	1.9E-07	1.2E-05	3.3E-07	2.8E-07	2.8E-07	2.4E-07	2.6E-03	1.4E-08	3.8E-08	1.4E-08	7.4E-06
TESTES	0.0	2.3E-08	1.1E-07	2.2E-07	2.2E-07	6.2E-07	2.3E-08	1.3E-02	4.6E-10	1.3E-02	7.1E-06
THYROID	3.2E-09	4.9E-08	2.7E-07	3.7E-07	3.7E-07	4.1E-07	3.8E-08	4.6E-10	2.3E-02	4.6E-10	7.1E-06
UTERUS (NONGRVD)	1.1E-05	2.0E-07	8.1E-07	2.3E-07	2.3E-07	1.6E-07	1.3E-07	0.0	3.0E-09	3.0E-09	7.5E-06
TOTAL BODY	7.5E-06	7.5E-06	7.4E-06	7.3E-06	7.3E-06	6.9E-06	7.4E-06	7.2E-06	7.2E-06	7.2E-06	7.2E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 BARIUM-137M HALF-LIFE 4.25E-02 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	1.2E-02	1.0E-06	9.1E-06	5.2E-06	4.7E-06	2.1E-06	2.1E-05	1.0E-05	6.6E-06
BLADDER WALL	6.7E-07	6.6E-04	2.0E-06	1.3E-05	8.5E-06	2.3E-05	1.8E-06	3.4E-07	7.6E-06
BONE (TOTAL)	5.9E-06	2.5E-06	2.6E-06	3.4E-06	3.1E-06	4.5E-06	4.2E-06	4.3E-06	4.8E-06
GI (STOM WALL)	1.3E-05	1.7E-06	5.0E-04	1.5E-05	1.6E-05	7.4E-06	1.4E-05	8.1E-06	6.1E-06
GI (SI)	4.1E-06	1.1E-05	1.1E-05	3.1E-04	6.9E-05	3.8E-05	1.2E-05	1.3E-06	6.7E-06
GI (ULI WALL)	4.6E-06	9.6E-06	1.4E-05	9.8E-05	5.0E-04	1.8E-05	1.2E-05	1.7E-06	7.0E-06
GI (LLI WALL)	1.4E-06	3.0E-05	5.6E-06	2.9E-05	1.3E-05	7.3E-04	3.8E-06	3.6E-07	7.3E-06
KIDNEYS	4.9E-05	1.6E-06	1.4E-05	1.4E-05	1.2E-05	3.7E-06	7.6E-04	4.4E-06	6.2E-06
LIVER	2.1E-05	1.3E-06	8.6E-06	7.8E-06	1.1E-05	1.6E-06	1.7E-05	1.0E-05	4.8E-06
LUNGS	1.0E-05	2.6E-07	7.9E-06	1.5E-06	1.6E-06	5.2E-07	4.2E-06	2.0E-04	5.8E-06
MARROW (RED)	1.0E-05	5.3E-06	4.4E-06	1.1E-05	9.1E-06	1.3E-05	1.1E-05	5.4E-06	5.9E-06
OTH TISS (MUSC)	6.6E-06	7.6E-06	6.1E-06	6.7E-06	6.4E-06	7.3E-06	6.2E-06	5.8E-06	1.2E-05
OVARIES	2.4E-06	2.4E-05	3.5E-05	4.0E-05	4.7E-05	7.0E-05	5.6E-06	6.9E-07	8.5E-06
PANCREAS	3.7E-05	1.2E-06	7.4E-05	8.8E-06	8.1E-06	3.2E-06	2.9E-05	1.1E-05	7.7E-06
SKIN	3.0E-06	2.9E-06	2.6E-06	2.4E-06	2.4E-06	2.6E-06	2.9E-06	3.0E-06	4.0E-06
SPLEEN	2.7E-05	1.0E-06	4.1E-05	6.7E-06	5.5E-06	4.2E-06	3.6E-05	9.3E-06	6.4E-06
TESTES	3.3E-07	2.2E-05	3.0E-07	1.8E-06	2.3E-06	8.1E-06	6.8E-07	1.2E-07	5.4E-06
THYROID	8.9E-07	5.1E-08	6.9E-07	1.9E-07	2.1E-07	9.2E-08	4.4E-07	5.5E-06	6.0E-06
UTERUS (NONGRVD)	1.8E-06	6.4E-05	4.0E-06	3.7E-05	1.9E-05	2.4E-05	3.6E-06	4.5E-07	9.3E-06
TOTAL BODY	9.2E-06	8.3E-06	8.2E-06	1.0E-05	9.2E-06	9.3E-06	9.3E-06	8.2E-06	8.2E-06

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137mBa

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 BARIUM-137M HALF-LIFE 4.25E-02 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	BONE				
			R MARROW	CORT	TRA	BONE						
ADRENALS	2.6E-06	3.4E-05	9.2E-06	7.6E-06	7.6E-06	3.1E-06	2.8E-05	3.3E-07	8.9E-07	1.1E-05		
BLADDER WALL	2.9E-05	7.5E-07	3.5E-06	2.5E-06	2.5E-06	2.9E-06	9.0E-07	2.2E-05	5.2E-08	1.0E-05		
BONE (TOTAL)	3.9E-06	3.9E-06	1.8E-05	4.3E-05	3.1E-05	3.7E-06	3.3E-06	2.8E-06	3.2E-06	8.4E-06		
GI (STOM WALL)	3.5E-06	7.3E-05	4.6E-06	2.5E-06	2.5E-06	2.8E-06	4.1E-05	4.6E-07	5.7E-07	9.5E-06		
GI (SI)	5.0E-05	7.6E-06	1.1E-05	3.5E-06	3.5E-06	2.5E-06	6.0E-06	2.3E-06	7.8E-08	1.0E-05		
GI (ULI WALL)	4.7E-05	9.3E-06	8.6E-06	3.1E-06	3.1E-06	2.6E-06	6.0E-06	1.5E-06	9.3E-08	1.0E-05		
GI (LLI WALL)	6.0E-05	2.3E-06	1.3E-05	4.3E-06	4.3E-06	2.7E-06	2.9E-06	1.1E-05	7.8E-08	1.1E-05		
KIDNEYS	4.9E-06	2.6E-05	1.0E-05	4.3E-06	4.3E-06	3.3E-06	3.6E-05	5.1E-07	3.1E-07	9.6E-06		
LIVER	2.7E-06	1.7E-05	4.4E-06	3.1E-06	3.1E-06	2.9E-06	4.6E-06	3.0E-07	7.4E-07	9.6E-06		
LUNGS	5.5E-07	1.0E-05	5.2E-06	4.3E-06	4.3E-06	3.0E-06	9.4E-06	8.4E-08	4.7E-06	8.5E-06		
MARROW (RED)	1.3E-05	7.4E-06	9.4E-05	1.5E-05	5.3E-05	3.5E-06	4.9E-06	2.3E-06	3.5E-06	9.1E-06		
OTH TISS (MUSC)	8.5E-06	7.7E-06	5.6E-06	4.8E-06	4.8E-06	4.0E-06	6.4E-06	5.4E-06	6.0E-06	8.2E-06		
OVARIES	1.6E-02	2.5E-06	1.4E-05	4.5E-06	4.5E-06	1.7E-06	3.9E-06	0.0	9.3E-08	8.8E-06		
PANCREAS	2.9E-06	2.3E-03	6.6E-06	4.0E-06	4.0E-06	2.4E-06	8.2E-05	2.6E-07	2.8E-07	9.3E-06		
SKIN	2.3E-06	2.3E-06	3.3E-06	3.8E-06	3.8E-06	6.2E-05	2.8E-06	6.9E-06	3.8E-06	5.9E-06		
SPLEEN	2.9E-06	8.1E-05	3.8E-06	3.7E-06	3.7E-06	3.1E-06	1.3E-03	4.8E-07	6.7E-07	9.7E-06		
TESTES	0.0	3.6E-07	1.9E-06	2.6E-06	2.6E-06	3.8E-06	4.4E-07	5.5E-03	2.0E-08	9.9E-06		
THYROID	9.3E-08	5.9E-07	4.0E-06	4.0E-06	4.0E-06	3.5E-06	6.7E-07	2.0E-08	9.0E-03	8.4E-06		
UTERUS (NONGRVD)	7.5E-05	2.7E-06	7.8E-06	3.0E-06	3.0E-06	2.7E-06	2.2E-06	0.0	8.8E-08	1.0E-05		
TOTAL BODY	1.1E-05	1.0E-05	8.9E-06	8.2E-06	8.2E-06	6.0E-06	9.3E-06	8.2E-06	7.6E-06	8.2E-06		

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 CERIUM-139 HALF-LIFE 3.36E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			LIVER	LUNGS	OTHER TISSUE (MUSCLE)		
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				LLI CONTENTS	
ADRENALS	6.3E-03	1.8E-07	3.0E-06	1.4E-06	1.0E-06	4.3E-07	1.6E-05	6.4E-06	3.1E-06	2.1E-06
BLADDER WALL	1.4E-07	3.1E-04	2.7E-07	3.1E-06	2.5E-06	8.7E-06	3.1E-07	1.7E-07	4.5E-08	2.4E-06
BONE (TOTAL)	2.8E-06	1.0E-06	1.1E-06	1.5E-06	1.4E-06	2.3E-06	1.8E-06	1.4E-06	2.0E-06	1.2E-06
GI (STOM WALL)	3.4E-06	3.0E-07	2.4E-04	4.7E-06	5.2E-06	2.2E-06	4.2E-06	2.3E-06	2.4E-06	1.8E-06
GI (SI)	9.1E-07	3.5E-06	3.2E-06	1.5E-04	2.5E-05	1.4E-05	3.4E-06	1.9E-06	2.1E-07	2.0E-06
GI (ULI WALL)	1.0E-06	2.6E-06	4.7E-06	3.8E-05	2.4E-04	6.0E-06	3.4E-06	3.1E-06	2.5E-07	2.1E-06
GI (LLI WALL)	2.4E-07	9.7E-06	1.4E-06	1.1E-05	4.2E-06	3.7E-04	8.6E-07	2.5E-07	9.3E-08	2.2E-06
KIDNEYS	1.7E-05	2.9E-07	4.2E-06	3.7E-06	3.3E-06	1.0E-06	3.7E-04	5.0E-06	9.9E-07	1.9E-06
LIVER	6.7E-06	2.0E-07	2.4E-06	2.2E-06	3.2E-06	2.8E-07	5.0E-06	8.4E-05	3.4E-06	1.4E-06
LUNGS	3.2E-06	2.6E-08	2.3E-06	2.5E-07	2.9E-07	8.7E-08	9.7E-07	3.5E-06	1.0E-04	1.9E-06
MARROW (RED)	4.8E-06	2.4E-06	1.8E-06	5.3E-06	4.7E-06	7.7E-06	4.9E-06	1.9E-06	2.5E-06	2.8E-06
OTH TISS (MUSC)	2.1E-06	2.4E-06	1.9E-06	2.0E-06	1.9E-06	2.2E-06	1.9E-06	1.4E-06	1.9E-06	4.8E-06
OVARIES	6.4E-07	9.5E-06	5.3E-07	1.5E-05	1.6E-05	2.9E-05	1.3E-06	5.1E-07	1.1E-07	2.7E-06
PANCREAS	1.2E-05	2.8E-07	2.7E-05	2.3E-06	2.7E-06	8.0E-07	8.3E-06	5.3E-06	3.2E-06	2.5E-06
SKIN	6.9E-07	6.8E-07	5.6E-07	5.0E-07	5.1E-07	6.0E-07	7.1E-07	6.2E-07	6.9E-07	1.1E-06
SPLEEN	8.6E-06	4.7E-07	1.4E-05	1.8E-06	1.6E-06	8.9E-07	1.3E-05	1.0E-06	3.1E-06	2.0E-06
TESTES	4.0E-08	5.8E-06	6.0E-08	3.5E-07	3.1E-07	2.3E-06	1.1E-07	7.5E-08	1.0E-08	1.5E-06
THYROID	1.5E-07	2.9E-09	1.1E-07	1.9E-08	2.1E-08	7.1E-09	5.8E-08	1.9E-07	9.8E-07	2.0E-06
UTERUS (NONGRVD)	1.7E-06	2.3E-05	8.5E-07	1.3E-05	6.3E-06	8.9E-06	1.1E-06	4.2E-07	9.5E-08	3.2E-06
TOTAL BODY	3.5E-06	2.8E-06	2.9E-06	3.7E-06	3.3E-06	3.4E-06	3.5E-06	3.6E-06	3.3E-06	3.0E-06

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(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 CERIUM-139 HALF-LIFE 3.36E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	3.7E-07	1.2E-05	3.0E-06	1.4E-06	1.4E-06	9.1E-07	8.6E-06	4.0E-08	1.5E-07	3.5E-06	
BLADDER WALL	9.1E-06	1.6E-07	1.1E-06	5.5E-07	5.5E-07	6.4E-07	1.5E-07	6.1E-06	2.9E-09	3.5E-06	
BONE (TOTAL)	2.0E-06	1.7E-06	7.2E-06	2.3E-05	2.0E-05	1.5E-06	1.5E-06	1.0E-06	1.2E-06	4.1E-06	
GI (STOM WALL)	8.9E-07	2.7E-05	1.2E-06	6.6E-07	6.6E-07	6.9E-07	1.3E-05	4.1E-08	4.8E-08	3.5E-06	
GI (SI)	1.8E-05	2.1E-06	3.1E-06	8.9E-07	8.9E-07	5.4E-07	1.6E-06	4.1E-07	1.3E-08	3.9E-06	
GI (ULI WALL)	1.7E-05	2.5E-06	2.6E-06	8.4E-07	8.4E-07	5.6E-07	1.6E-06	3.6E-07	1.2E-08	3.7E-06	
GI (LLI WALL)	2.3E-05	6.3E-07	3.8E-06	1.3E-06	1.3E-06	5.7E-07	6.9E-07	3.3E-06	5.8E-09	3.6E-06	
KIDNEYS	1.0E-06	8.3E-06	2.6E-06	1.0E-06	1.0E-06	7.9E-07	1.3E-05	4.9E-08	3.8E-08	3.4E-06	
LIVER	6.1E-07	5.6E-06	1.1E-06	7.9E-07	7.9E-07	6.8E-07	1.1E-06	3.7E-08	1.1E-07	3.5E-06	
LUNGS	6.8E-08	3.2E-06	1.5E-06	1.2E-06	1.2E-06	7.8E-07	3.1E-06	9.3E-09	1.1E-06	3.2E-06	
MARROW (RED)	7.2E-06	3.3E-06	6.2E-05	7.4E-06	7.4E-06	1.4E-06	2.1E-06	7.8E-07	1.3E-06	4.6E-06	
OTH TISS (MUSC)	2.7E-06	2.5E-06	1.5E-06	1.2E-06	1.2E-06	1.1E-06	2.0E-06	1.5E-06	2.0E-06	3.0E-06	
OVARIES	8.3E-03	4.0E-07	3.4E-06	9.5E-07	9.5E-07	5.0E-07	5.1E-07	0.0	6.6E-09	3.7E-06	
PANCREAS	5.3E-07	1.1E-03	1.9E-06	1.1E-06	1.1E-06	5.8E-07	2.9E-05	6.7E-08	9.3E-08	3.9E-06	
SKIN	4.9E-07	4.8E-07	7.7E-07	8.5E-07	8.5E-07	3.2E-05	6.0E-07	2.2E-06	1.1E-06	2.2E-06	
SPLEEN	5.5E-07	3.0E-05	1.1E-06	7.6E-07	7.6E-07	6.8E-07	6.5E-04	2.0E-08	1.2E-07	3.6E-06	
TESTES	0.0	6.7E-08	4.3E-07	7.2E-07	7.2E-07	1.5E-06	5.9E-08	2.8E-03	7.3E-10	2.7E-06	
THYROID	6.6E-09	1.4E-07	7.9E-07	1.0E-06	1.0E-06	1.0E-06	1.0E-07	7.3E-10	4.7E-03	2.7E-06	
UTERUS (NONGRVD)	3.0E-05	6.2E-07	2.6E-06	6.9E-07	6.9E-07	4.6E-07	4.3E-07	0.0	6.1E-09	4.0E-06	
TOTAL BODY	4.0E-06	3.9E-06	3.5E-06	3.3E-06	3.3E-06	2.2E-06	3.6E-06	3.0E-06	3.0E-06	3.2E-06	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 DYSPROSIUM-157 HALF-LIFE 8.10 HOURS

TARGET ORGANS	SOURCE ORGANS							OTHER TISSUE (MUSCLE)		
	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER		LUNGS	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	3.6E-03	4.9E-07	6.0E-06	3.5E-06	2.4E-06	1.1E-06	3.0E-05	1.3E-05	6.4E-06	4.0E-06
BLADDER WALL	2.7E-07	2.9E-04	7.7E-07	7.5E-06	5.2E-06	1.7E-05	8.0E-07	5.5E-07	1.4E-07	4.8E-06
BONE (TOTAL)	4.7E-06	1.9E-06	1.9E-06	2.7E-06	2.4E-06	3.7E-06	3.2E-06	2.5E-06	3.4E-06	2.7E-06
GI (STOM WALL)	7.6E-06	7.1E-07	2.1E-04	9.5E-06	1.0E-05	4.7E-06	8.8E-06	5.0E-06	5.0E-06	3.8E-06
GI (SI)	2.2E-06	7.2E-06	6.9E-06	1.3E-04	4.7E-05	2.6E-05	7.3E-06	4.2E-06	5.5E-07	4.1E-06
GI (ULI WALL)	2.4E-06	6.0E-06	9.3E-06	6.7E-05	1.9E-04	1.2E-05	7.4E-06	6.6E-06	7.2E-07	4.3E-06
GI (LLI WALL)	6.7E-07	1.9E-05	3.3E-06	2.0E-05	8.1E-06	2.6E-04	2.1E-06	6.5E-07	2.3E-07	4.5E-06
KIDNEYS	3.2E-05	7.7E-07	9.0E-06	8.0E-06	7.1E-06	2.3E-06	3.1E-04	1.0E-05	2.4E-06	3.8E-06
LIVER	1.3E-05	5.7E-07	5.2E-06	4.8E-06	6.7E-06	7.4E-07	1.0E-05	9.1E-05	6.6E-06	2.9E-06
LUNGS	6.5E-06	8.2E-08	4.7E-06	6.9E-07	7.3E-07	2.2E-07	2.3E-06	6.8E-06	7.5E-05	3.6E-06
MARROW (RED)	8.3E-06	4.3E-06	3.3E-06	9.0E-06	7.8E-06	1.2E-05	8.4E-06	3.5E-06	4.3E-06	4.7E-06
OTH TISS (MUSC)	4.0E-06	4.8E-06	3.8E-06	4.1E-06	3.9E-06	4.5E-06	3.8E-06	2.9E-06	3.6E-06	5.1E-06
OVARIES	1.4E-06	1.9E-05	1.2E-06	2.8E-05	3.2E-05	5.1E-05	3.0E-06	9.5E-07	3.3E-07	5.4E-06
PANCREAS	2.3E-05	6.8E-07	5.0E-05	5.3E-06	5.5E-06	1.8E-06	1.7E-05	1.1E-05	7.0E-06	4.9E-06
SKIN	1.6E-06	1.5E-06	1.3E-06	1.2E-06	1.3E-06	1.4E-06	1.6E-06	1.4E-06	1.6E-06	2.2E-06
SPLEEN	1.8E-05	4.4E-07	2.7E-05	3.9E-06	3.4E-06	2.1E-06	2.4E-05	2.4E-06	6.0E-06	4.0E-06
TESTES	1.3E-07	1.3E-05	1.2E-07	8.5E-07	9.5E-07	5.3E-06	3.0E-07	2.3E-07	4.1E-08	3.2E-06
THYROID	4.1E-07	1.4E-08	3.1E-07	6.9E-08	7.5E-08	2.9E-08	1.8E-07	4.9E-07	2.4E-06	3.7E-06
UTERUS (NONGRVD)	3.6E-06	4.3E-05	2.1E-06	2.5E-05	1.3E-05	1.7E-05	2.4E-06	1.0E-06	2.3E-07	5.9E-06
TOTAL BODY	5.1E-06	5.2E-06	5.0E-06	5.8E-06	5.5E-06	5.5E-06	5.1E-06	5.1E-06	4.5E-06	4.2E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 DYSPROSIUM-157 HALF-LIFE 8.10 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	BONE				
			MARROW	CORT	TRA							
ADRENALS	1.1E-06	2.3E-05	5.9E-06	3.7E-06	3.7E-06	1.9E-06	1.7E-05	1.3E-07	4.1E-07	5.6E-06		
BLADDER WALL	1.8E-05	4.1E-07	1.9E-06	1.4E-06	1.4E-06	1.5E-06	3.7E-07	1.3E-05	1.4E-08	5.3E-06		
BONE (TOTAL)	3.3E-06	3.1E-06	8.5E-06	1.8E-05	1.7E-05	2.6E-06	2.6E-06	1.9E-06	2.3E-06	5.4E-06		
GI (STOM WALL)	2.0E-06	5.0E-05	2.7E-06	1.5E-06	1.5E-06	1.6E-06	2.7E-05	1.8E-07	1.9E-07	5.4E-06		
GI (SI)	3.3E-05	4.6E-06	6.8E-06	2.0E-06	2.0E-06	1.3E-06	3.6E-06	1.1E-06	2.9E-08	5.8E-06		
GI (ULI WALL)	3.1E-05	5.6E-06	5.4E-06	1.9E-06	1.9E-06	1.3E-06	3.4E-06	8.5E-07	2.6E-08	5.5E-06		
GI (LLI WALL)	4.1E-05	1.4E-06	7.9E-06	2.6E-06	2.6E-06	1.4E-06	1.7E-06	7.4E-06	2.4E-08	5.4E-06		
KIDNEYS	2.6E-06	1.7E-05	5.9E-06	2.3E-06	2.3E-06	1.8E-06	2.4E-05	1.8E-07	1.0E-07	5.1E-06		
LIVER	1.5E-06	1.1E-05	2.5E-06	1.7E-06	1.7E-06	1.6E-06	2.6E-06	1.1E-07	3.2E-07	5.1E-06		
LUNGS	2.1E-07	6.6E-06	3.1E-06	2.6E-06	2.6E-06	1.7E-06	6.0E-06	3.0E-08	2.5E-06	4.6E-06		
MARROW (RED)	1.2E-05	5.8E-06	4.6E-05	1.1E-05	1.3E-05	2.4E-06	3.7E-06	1.6E-06	2.5E-06	6.1E-06		
OTH TISS (MUSC)	5.4E-06	4.9E-06	3.3E-06	2.7E-06	2.7E-06	2.2E-06	4.0E-06	3.2E-06	3.7E-06	4.2E-06		
OVARIES	5.1E-03	8.7E-07	7.5E-06	2.2E-06	2.2E-06	1.1E-06	1.9E-06	0.0	2.8E-08	5.3E-06		
PANCREAS	1.2E-06	9.3E-04	4.2E-06	2.5E-06	2.5E-06	1.4E-06	5.4E-05	1.4E-07	2.2E-07	5.9E-06		
SKIN	1.2E-06	1.2E-06	1.8E-06	2.0E-06	2.0E-06	1.7E-05	1.4E-06	4.2E-06	2.2E-06	2.7E-06		
SPLEEN	1.5E-06	5.4E-05	2.2E-06	1.9E-06	1.9E-06	1.6E-06	5.5E-04	1.5E-07	2.9E-07	5.3E-06		
TESTES	0.0	1.6E-07	8.8E-07	1.5E-06	1.5E-06	2.7E-06	1.8E-07	1.9E-03	4.5E-09	4.2E-06		
THYROID	2.8E-08	3.9E-07	2.0E-06	2.5E-06	2.5E-06	2.1E-06	3.0E-07	4.5E-09	3.0E-03	4.1E-06		
UTERUS (NONGRVD)	5.6E-05	1.5E-06	5.5E-06	1.5E-06	1.5E-06	1.2E-06	1.0E-06	0.0	2.7E-08	5.8E-06		
TOTAL BODY	6.0E-06	5.9E-06	4.9E-06	4.5E-06	4.5E-06	2.8E-06	5.1E-06	4.2E-06	4.0E-06	4.4E-06		

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S. ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 ERBIUM-171 HALF-LIFE 7.52 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			LIVER	LUNGS	OTHER TISSUE (MUSCLE)		
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				LLI CONTENTS	
ADRENALS	6.6E-02	5.4E-07	6.8E-06	3.8E-06	2.7E-06	1.2E-06	3.2E-05	1.4E-05	7.1E-06	4.2E-06
BLADDER WALL	3.3E-07	2.5E-03	8.5E-07	8.0E-06	5.9E-06	1.8E-05	9.0E-07	5.8E-07	1.5E-07	5.1E-06
BONE (TOTAL)	4.9E-06	2.1E-06	2.1E-06	2.9E-06	2.7E-06	3.9E-06	3.5E-06	2.7E-06	3.6E-06	3.0E-06
GI (STOM WALL)	8.3E-06	8.2E-07	1.9E-03	1.0E-05	1.1E-05	5.1E-06	9.7E-06	5.5E-06	5.3E-06	4.0E-06
GI (SI)	2.4E-06	8.0E-06	7.5E-06	1.2E-03	4.8E-05	2.7E-05	8.1E-06	4.6E-06	6.1E-07	4.4E-06
GI (ULI WALL)	2.7E-06	6.5E-06	1.0E-05	6.8E-05	2.2E-03	1.2E-05	8.1E-06	7.1E-06	7.8E-07	4.6E-06
GI (LLI WALL)	7.2E-07	2.1E-05	3.6E-06	2.0E-05	8.7E-06	3.5E-03	2.3E-06	7.2E-07	2.6E-07	4.8E-06
KIDNEYS	3.3E-05	8.5E-07	9.9E-06	8.8E-06	7.9E-06	2.5E-06	3.1E-03	1.1E-05	2.6E-06	4.0E-06
LIVER	1.4E-05	6.2E-07	5.7E-06	5.2E-06	7.3E-06	8.2E-07	1.1E-05	5.7E-04	7.0E-06	3.1E-06
LUNGS	7.0E-06	9.1E-08	5.1E-06	7.5E-07	8.1E-07	2.5E-07	2.5E-06	7.2E-06	9.4E-04	3.8E-06
MARROW (RED)	8.9E-06	4.9E-06	3.7E-06	9.8E-06	8.4E-06	1.2E-05	9.1E-06	3.8E-06	4.6E-06	4.9E-06
OTH TISS (MUSC)	4.2E-06	5.1E-06	4.0E-06	4.4E-06	4.2E-06	4.8E-06	4.0E-06	3.1E-06	3.8E-06	3.6E-05
OVARIES	1.6E-06	2.0E-05	1.4E-06	2.9E-05	3.4E-05	5.3E-05	3.4E-06	1.1E-06	3.5E-07	5.7E-06
PANCREAS	2.5E-05	7.6E-07	5.2E-05	5.8E-06	6.2E-06	2.0E-06	1.9E-05	1.2E-05	7.5E-06	5.1E-06
SKIN	1.7E-06	1.7E-06	1.4E-06	1.3E-06	1.4E-06	1.5E-06	1.7E-06	1.5E-06	1.7E-06	2.3E-06
SPLEEN	1.9E-05	7.0E-07	2.9E-05	4.4E-06	3.9E-06	2.4E-06	2.5E-05	2.7E-06	6.4E-06	4.2E-06
TESTES	1.4E-07	1.4E-05	1.5E-07	9.7E-07	1.0E-06	5.6E-06	3.3E-07	2.6E-07	4.4E-08	3.4E-06
THYROID	4.5E-07	1.5E-08	3.4E-07	7.4E-08	8.0E-08	3.1E-08	2.0E-07	5.4E-07	2.7E-06	3.8E-06
UTERUS (NONGRVD)	4.0E-06	4.5E-05	2.3E-06	2.7E-05	1.4E-05	1.9E-05	2.7E-06	1.1E-06	2.6E-07	6.4E-06
TOTAL BODY	1.8E-05	6.8E-06	9.0E-06	1.6E-05	1.2E-05	1.3E-05	1.8E-05	1.8E-05	1.7E-05	1.7E-05

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171Er

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 ERBIUM-171 HALF-LIFE 7.52 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	THYROID	TESTES	THYROID	
ADRENALS	1.2E-06	2.4E-05	3.9E-06	3.9E-06	2.1E-06	1.8E-05	1.4E-07	4.5E-07	1.4E-07	4.5E-07	1.8E-05
BLADDER WALL	2.0E-05	4.5E-07	1.5E-06	1.5E-06	1.6E-06	4.3E-07	1.4E-05	1.5E-08	1.4E-05	1.5E-08	1.8E-05
BONE (TOTAL)	3.6E-06	3.4E-06	1.9E-04	1.3E-04	2.7E-06	2.8E-06	2.2E-06	2.5E-06	2.2E-06	2.5E-06	1.8E-05
GI (STOM WALL)	2.2E-06	5.2E-05	1.6E-06	1.6E-06	1.7E-06	2.8E-05	1.8E-07	2.0E-07	1.8E-07	2.0E-07	1.8E-05
GI (SI)	3.5E-05	5.1E-06	2.2E-06	2.2E-06	1.4E-06	4.0E-06	1.2E-06	3.5E-08	1.2E-06	3.5E-08	1.9E-05
GI (ULI WALL)	3.2E-05	6.2E-06	2.0E-06	2.0E-06	1.4E-06	3.8E-06	9.5E-07	3.2E-08	9.5E-07	3.2E-08	1.8E-05
GI (LLI WALL)	4.2E-05	1.6E-06	2.9E-06	2.9E-06	1.5E-06	1.8E-06	7.9E-06	2.6E-08	7.9E-06	2.6E-08	1.8E-05
KIDNEYS	2.8E-06	1.8E-05	2.6E-06	2.6E-06	1.9E-06	2.6E-05	1.9E-07	1.2E-07	1.9E-07	1.2E-07	1.8E-05
LIVER	1.6E-06	1.2E-05	1.9E-06	1.9E-06	1.7E-06	2.9E-06	1.2E-07	3.5E-07	1.2E-07	3.5E-07	1.8E-05
LUNGS	2.3E-07	7.1E-06	2.8E-06	2.8E-06	1.8E-06	6.4E-06	3.3E-08	2.8E-06	3.3E-08	2.8E-06	1.7E-05
MARROW (RED)	1.3E-05	6.4E-06	1.6E-05	2.2E-04	2.5E-06	4.1E-06	1.8E-06	2.7E-06	1.8E-06	2.7E-06	1.9E-05
OTH TISS (MUSC)	5.7E-06	5.1E-06	3.0E-06	3.0E-06	2.3E-06	4.2E-06	3.4E-06	3.8E-06	3.4E-06	3.8E-06	1.7E-05
OVARIES	8.4E-02	1.0E-06	2.3E-06	2.3E-06	1.2E-06	1.9E-06	0.0	3.0E-08	1.9E-06	3.0E-08	1.8E-05
PANCREAS	1.4E-06	9.6E-03	2.8E-06	2.8E-06	1.5E-06	5.5E-05	1.7E-07	2.4E-07	1.7E-07	2.4E-07	1.9E-05
SKIN	1.3E-06	1.3E-06	2.1E-06	2.1E-06	3.5E-04	1.5E-06	4.2E-06	2.3E-06	1.5E-06	2.3E-06	1.5E-05
SPLEEN	1.6E-06	5.6E-05	2.0E-06	2.0E-06	1.7E-06	5.4E-03	1.5E-07	3.3E-07	1.5E-07	3.3E-07	1.8E-05
TESTES	0.0	1.9E-07	1.7E-06	1.7E-06	2.8E-06	2.0E-07	2.7E-02	4.9E-09	2.7E-02	4.9E-09	1.7E-05
THYROID	3.0E-08	4.1E-07	2.6E-06	2.6E-06	2.2E-06	3.3E-07	4.9E-09	4.6E-02	3.3E-07	4.6E-02	1.7E-05
UTERUS (NONGRVD)	5.9E-05	1.7E-06	1.7E-06	1.7E-06	1.3E-06	1.2E-06	0.0	2.8E-08	1.2E-06	2.8E-08	1.9E-05
TOTAL BODY	1.9E-05	1.9E-05	1.7E-05	1.7E-05	1.5E-05	1.8E-05	1.7E-05	1.7E-05	1.8E-05	1.7E-05	1.7E-05

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.
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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 THULIUM-171 HALF-LIFE 1.68E 04 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	3.9E-03	2.5E-10	2.0E-08	4.4E-09	5.2E-09	1.0E-07	3.4E-08	1.8E-08	1.1E-08
BLADDER WALL	2.7E-10	1.4E-04	9.6E-10	1.7E-08	1.2E-08	6.2E-10	3.9E-10	9.3E-11	1.5E-08
BONE (TOTAL)	2.5E-08	7.0E-09	8.7E-09	1.3E-08	1.2E-08	1.6E-08	1.2E-08	1.9E-08	6.2E-09
GI (STOM WALL)	1.9E-08	8.3E-10	1.1E-04	2.8E-08	3.3E-08	2.6E-08	1.4E-08	1.5E-08	1.1E-08
GI (SI)	3.7E-09	2.0E-08	2.0E-08	6.8E-05	1.6E-07	8.5E-08	1.0E-08	6.4E-10	1.2E-08
GI (ULI WALL)	4.6E-09	1.4E-08	3.0E-08	2.5E-07	1.2E-04	3.5E-08	1.9E-08	8.8E-10	1.3E-08
GI (LLI WALL)	7.5E-10	6.6E-08	7.7E-09	6.9E-08	2.4E-08	2.0E-04	6.3E-10	1.5E-10	1.3E-08
KIDNEYS	9.4E-08	7.5E-10	2.6E-08	2.1E-08	2.0E-08	4.3E-09	3.1E-08	4.9E-09	1.1E-08
LIVER	4.1E-08	4.9E-10	1.3E-08	1.2E-08	1.9E-08	8.1E-10	3.0E-05	2.0E-08	8.4E-09
LUNGS	1.9E-08	3.3E-11	1.5E-08	8.0E-10	1.1E-09	2.1E-10	2.3E-08	5.4E-05	1.1E-08
MARROW (RED)	4.3E-08	2.0E-08	1.4E-08	4.8E-08	4.1E-08	7.2E-08	1.5E-08	2.3E-08	2.4E-08
OTH TISS (MUSC)	1.1E-08	1.5E-08	1.2E-08	1.2E-08	1.2E-08	1.3E-08	1.1E-08	1.1E-08	1.9E-06
OVARIES	1.3E-09	5.7E-08	3.8E-09	1.0E-07	9.0E-08	1.7E-07	6.1E-09	3.8E-10	1.6E-08
PANCREAS	7.5E-08	5.4E-10	1.8E-07	1.3E-08	1.3E-08	3.0E-09	5.1E-08	2.0E-08	1.5E-08
SKIN	3.4E-09	3.6E-09	3.1E-09	2.4E-09	2.6E-09	3.0E-09	3.1E-09	3.5E-09	5.7E-09
SPLEEN	5.5E-08	8.8E-10	9.4E-08	8.4E-09	9.8E-09	5.2E-09	4.9E-09	1.8E-08	1.2E-08
TESTES	2.9E-11	4.3E-08	1.1E-10	8.9E-10	8.9E-10	1.4E-08	7.9E-11	1.0E-11	8.8E-09
THYROID	1.9E-10	8.5E-13	1.3E-10	1.1E-11	1.3E-11	3.2E-12	1.9E-10	4.0E-09	1.2E-08
UTERUS (NONGRVD)	5.1E-10	1.6E-07	2.6E-09	9.0E-08	4.5E-08	5.8E-08	1.6E-09	3.2E-10	1.9E-08
TOTAL BODY	7.9E-07	1.0E-07	2.5E-07	6.4E-07	3.9E-07	4.8E-07	7.9E-07	7.9E-07	7.8E-07

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171Tm

(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 THULIUM-171 HALF-LIFE 1.68E 04 HOURS

SOURCE ORGANS

TARGET ORGANS	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY
	R MARROW		CORT BONE	TRA	BONE			
ADRENALS	1.1E-09	7.5E-08	9.3E-09	9.3E-09	3.5E-09	2.9E-11	1.9E-10	7.8E-07
BLADDER WALL	6.3E-08	3.3E-10	2.5E-09	2.5E-09	3.1E-09	4.0E-08	8.7E-13	7.9E-07
BONE (TOTAL)	1.8E-08	1.5E-08	1.1E-05	1.0E-05	1.3E-08	7.0E-09	1.0E-08	8.0E-07
GI (STOM WALL)	4.0E-09	1.8E-07	2.9E-09	2.9E-09	4.1E-09	1.0E-10	3.3E-10	7.9E-07
GI (SI)	1.1E-07	1.0E-08	5.0E-09	5.0E-09	2.8E-09	1.4E-09	8.1E-12	7.9E-07
GI (ULI WALL)	1.0E-07	1.3E-08	4.2E-09	4.2E-09	3.2E-09	1.1E-09	1.3E-11	7.9E-07
GI (LLI WALL)	1.4E-07	2.9E-09	6.7E-09	6.7E-09	2.7E-09	2.1E-08	2.5E-12	7.9E-07
KIDNEYS	4.4E-09	5.4E-08	5.3E-09	5.3E-09	4.6E-09	7.4E-11	4.9E-11	7.9E-07
LIVER	2.3E-09	3.6E-08	3.9E-09	3.9E-09	3.7E-09	5.5E-11	3.3E-10	7.9E-07
LUNGS	1.6E-10	2.1E-08	7.1E-09	7.1E-09	4.7E-09	4.1E-12	6.3E-09	7.9E-07
MARROW (RED)	7.0E-08	2.8E-08	7.6E-08	1.7E-06	1.2E-08	5.2E-09	1.0E-08	8.0E-07
OTH TISS (MUSC)	1.6E-08	1.5E-08	6.2E-09	6.2E-09	5.7E-09	8.8E-09	1.2E-08	7.8E-07
OVARIES	4.9E-03	2.2E-09	5.1E-09	5.1E-09	2.9E-09	0.0	2.6E-12	7.9E-07
PANCREAS	1.6E-09	5.4E-04	5.2E-09	5.2E-09	1.9E-07	6.2E-11	1.5E-10	7.9E-07
SKIN	2.2E-09	2.3E-09	3.9E-09	3.9E-09	2.1E-05	1.2E-08	5.8E-09	7.8E-07
SPLEEN	1.8E-09	2.0E-07	4.4E-09	4.4E-09	4.0E-09	4.0E-11	2.3E-10	7.9E-07
TESTES	0.0	6.2E-11	2.9E-09	2.9E-09	7.6E-09	1.6E-03	1.5E-13	7.8E-07
THYROID	2.6E-12	1.8E-10	4.7E-09	4.7E-09	5.3E-09	1.5E-13	2.7E-03	7.9E-07
UTERUS (NONGRVD)	2.0E-07	1.8E-09	2.7E-09	2.7E-09	3.0E-09	0.0	2.3E-12	7.9E-07
TOTAL BODY	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 YTTERBIUM-169 HALF-LIFE 768. HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				LLI CONTENTS
ADRENALS	2.1E-02	3.1E-07	6.9E-06	2.7E-06	2.2E-06	8.2E-07	3.2E-05	6.7E-06	4.0E-06
BLADDER WALL	2.3E-07	9.1E-04	5.3E-07	6.6E-06	5.2E-06	1.8E-05	5.5E-07	8.3E-08	5.0E-06
BONE (TOTAL)	6.7E-06	2.3E-06	2.6E-06	3.7E-06	3.3E-06	5.4E-06	4.5E-06	4.9E-06	2.5E-06
GI (STOM WALL)	7.4E-06	5.5E-07	7.1E-04	1.0E-05	1.1E-05	4.7E-06	9.2E-06	5.2E-06	3.8E-06
GI (SI)	1.8E-06	7.5E-06	7.1E-06	4.4E-04	5.1E-05	2.8E-05	7.4E-06	4.0E-07	4.2E-06
GI (ULI WALL)	2.1E-06	5.6E-06	1.0E-05	7.3E-05	7.5E-04	1.2E-05	7.3E-06	5.0E-07	4.4E-06
GI (LLI WALL)	4.6E-07	2.1E-05	3.1E-06	2.2E-05	8.5E-06	1.2E-03	1.7E-06	1.6E-07	4.6E-06
KIDNEYS	3.2E-05	5.3E-07	9.4E-06	8.0E-06	7.4E-06	2.0E-06	1.1E-03	2.1E-06	3.8E-06
LIVER	1.4E-05	3.7E-07	5.1E-06	4.7E-06	6.9E-06	5.3E-07	1.1E-05	6.9E-06	2.9E-06
LUNGS	6.7E-06	4.4E-08	5.0E-06	4.9E-07	5.7E-07	1.6E-07	2.1E-06	3.2E-04	3.7E-06
MARROW (RED)	1.2E-05	6.0E-06	4.3E-06	1.3E-05	1.1E-05	1.8E-05	1.2E-05	6.1E-06	6.5E-06
OTH TISS (MUSC)	4.0E-06	5.0E-06	3.9E-06	4.2E-06	4.0E-06	4.6E-06	3.8E-06	3.7E-06	1.4E-05
OVARIES	1.1E-06	2.0E-05	1.3E-06	3.2E-05	3.2E-05	5.5E-05	2.7E-06	2.3E-07	5.5E-06
PANCREAS	2.5E-05	4.9E-07	5.5E-05	5.1E-06	5.6E-06	1.5E-06	1.8E-05	7.1E-06	5.1E-06
SKIN	1.4E-06	1.4E-06	1.2E-06	1.0E-06	1.1E-06	1.3E-06	1.4E-06	1.4E-06	2.0E-06
SPLEEN	1.9E-05	6.6E-07	3.0E-05	3.6E-06	3.7E-06	2.0E-06	2.6E-05	6.2E-06	4.1E-06
TESTES	6.6E-08	1.4E-05	1.0E-07	6.4E-07	6.0E-07	5.0E-06	1.8E-07	1.9E-08	3.1E-06
THYROID	2.5E-07	5.1E-09	1.8E-07	3.2E-08	3.6E-08	1.2E-08	9.8E-08	1.9E-06	3.8E-06
UTERUS (NONGRVD)	2.6E-06	4.9E-05	1.6E-06	2.9E-05	1.5E-05	2.0E-05	2.0E-06	1.9E-07	6.5E-06
TOTAL BODY	8.8E-06	5.9E-06	6.4E-06	8.9E-06	7.5E-06	8.0E-06	8.8E-06	8.4E-06	7.7E-06

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169Yb

(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 YTTERBIUM-169 HALF-LIFE 768. HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON	R MARROW	CORT BONE	TRA BONE	SKIN	SPLEEN	TESTES	THYROID	
ADRENALS	7.2E-07	2.5E-05	5.6E-06	3.3E-06	3.3E-06	3.3E-06	1.7E-06	1.8E-05	6.6E-08	2.5E-07	8.1E-06
BLADDER WALL	2.1E-05	2.8E-07	2.2E-06	1.1E-06	1.1E-06	1.1E-06	1.3E-06	2.8E-07	1.4E-05	5.2E-09	9.2E-06
BONE (TOTAL)	4.8E-06	4.3E-06	1.7E-05	7.2E-05	6.3E-05	6.3E-05	3.4E-06	3.6E-06	2.4E-06	3.0E-06	1.1E-05
GI (STOM. WALL)	1.8E-06	5.5E-05	2.4E-06	1.3E-06	1.3E-06	1.3E-06	1.5E-06	2.9E-05	8.4E-08	1.2E-07	8.8E-06
GI (SI)	3.6E-05	4.4E-06	6.6E-06	1.9E-06	1.9E-06	1.9E-06	1.1E-06	3.4E-06	8.1E-07	2.0E-08	9.5E-06
GI (ULI WALL)	3.3E-05	5.4E-06	5.3E-06	1.7E-06	1.7E-06	1.7E-06	1.2E-06	3.5E-06	6.9E-07	1.8E-08	9.2E-06
GI (LLI WALL)	4.4E-05	1.3E-06	7.8E-06	2.6E-06	2.6E-06	2.6E-06	1.2E-06	1.5E-06	7.5E-06	1.0E-08	9.2E-06
KIDNEYS	2.1E-06	1.8E-05	5.7E-06	2.1E-06	2.1E-06	2.1E-06	1.7E-06	2.7E-05	9.0E-08	6.3E-08	8.6E-06
LIVER	1.2E-06	1.2E-05	2.2E-06	1.6E-06	1.6E-06	1.6E-06	1.4E-06	2.3E-06	6.4E-08	2.2E-07	8.7E-06
LUNGS	1.3E-07	7.0E-06	3.0E-06	2.6E-06	2.6E-06	2.6E-06	1.7E-06	6.5E-06	1.5E-08	2.4E-06	8.2E-06
MARROW (RED)	1.8E-05	8.1E-06	2.0E-04	1.5E-05	4.3E-05	4.3E-05	3.1E-06	4.9E-06	1.8E-06	3.1E-06	1.2E-05
OTH TISS (MUSC)	5.5E-06	5.1E-06	3.1E-06	2.5E-06	2.5E-06	2.5E-06	2.0E-06	4.1E-06	3.1E-06	3.8E-06	7.7E-06
OVARIES	2.8E-02	8.8E-07	8.4E-06	1.9E-06	1.9E-06	1.9E-06	1.1E-06	1.1E-06	0.0	1.2E-08	8.8E-06
PANCREAS	9.8E-07	3.4E-03	4.2E-06	2.3E-06	2.3E-06	2.3E-06	1.1E-06	5.9E-05	1.1E-07	1.6E-07	9.8E-06
SKIN	1.0E-06	1.0E-06	1.5E-06	1.7E-06	1.7E-06	1.7E-06	1.1E-04	1.2E-06	4.0E-06	2.1E-06	6.0E-06
SPLEEN	1.1E-06	6.0E-05	2.2E-06	1.6E-06	1.6E-06	1.6E-06	1.5E-06	1.9E-03	4.5E-08	2.1E-07	8.7E-06
TESTES	0.0	1.1E-07	8.2E-07	1.4E-06	1.4E-06	1.4E-06	2.7E-06	9.9E-08	8.9E-03	1.4E-09	7.3E-06
THYROID	1.2E-08	2.4E-07	1.6E-06	2.1E-06	2.1E-06	2.1E-06	2.0E-06	1.7E-07	1.4E-09	1.5E-02	7.6E-06
UTERUS (NONGRVD)	6.3E-05	1.2E-06	5.5E-06	1.3E-06	1.3E-06	1.3E-06	1.1E-06	7.9E-07	0.0	1.1E-08	9.8E-06
TOTAL BODY	9.9E-06	9.8E-06	8.9E-06	8.5E-06	8.5E-06	8.5E-06	6.2E-06	8.9E-06	7.8E-06	7.6E-06	8.2E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
TUNGSTEN-188 HALF-LIFE 1.66E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS CONTENTS	INTESTINAL TRACT CONTENTS			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)			
		STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS		
ADRENALS	1.5E-02	2.6E-09	3.4E-08	2.0E-08	1.3E-08	1.3E-08	6.1E-09	1.5E-07	7.0E-08	3.5E-08	2.1E-08
BLADDER WALL	1.5E-09	5.3E-04	3.7E-09	3.9E-08	2.9E-08	9.2E-08	9.2E-08	4.2E-09	2.6E-09	7.1E-10	2.5E-08
BONE (TOTAL)	2.5E-08	1.1E-08	1.1E-08	1.5E-08	1.4E-08	2.0E-08	2.0E-08	1.8E-08	1.4E-08	1.8E-08	1.5E-08
GI (STOM WALL)	4.1E-08	3.8E-09	4.3E-04	5.2E-08	5.4E-08	2.5E-08	2.5E-08	4.8E-08	2.7E-08	2.7E-08	2.0E-08
GI (SI)	1.2E-08	4.0E-08	3.7E-08	2.7E-04	2.4E-07	1.4E-07	1.4E-07	4.0E-08	2.3E-08	2.8E-09	2.2E-08
GI (ULI WALL)	1.3E-08	3.2E-08	5.0E-08	3.6E-07	4.8E-04	6.1E-08	6.1E-08	4.0E-08	3.5E-08	3.6E-09	2.3E-08
GI (LLI WALL)	3.4E-09	1.0E-07	1.8E-08	1.0E-07	4.3E-08	7.9E-04	7.9E-04	1.1E-08	3.4E-09	1.3E-09	2.4E-08
KIDNEYS	1.7E-07	4.0E-09	5.0E-08	4.3E-08	3.9E-08	1.3E-08	1.3E-08	6.9E-04	5.5E-08	1.3E-08	2.0E-08
LIVER	7.1E-08	3.0E-09	2.8E-08	2.6E-08	3.6E-08	3.9E-09	3.9E-09	5.5E-08	1.2E-04	3.5E-08	1.5E-08
LUNGS	3.5E-08	3.9E-10	2.5E-08	3.5E-09	3.8E-09	1.2E-09	1.2E-09	1.2E-08	3.6E-08	2.1E-04	1.9E-08
MARROW (RED)	4.6E-08	2.5E-08	1.9E-08	5.0E-08	4.3E-08	6.4E-08	6.4E-08	4.6E-08	1.9E-08	2.3E-08	2.5E-08
OTH TISS (MUSC)	2.1E-08	2.5E-08	2.0E-08	2.2E-08	2.1E-08	2.4E-08	2.4E-08	2.0E-08	1.5E-08	1.9E-08	7.6E-06
OVARIES	7.5E-09	1.0E-07	6.5E-09	1.5E-07	1.7E-07	2.8E-07	2.8E-07	1.7E-08	5.9E-09	1.7E-09	2.8E-08
PANCREAS	1.2E-07	3.8E-09	2.6E-07	2.9E-08	3.2E-08	9.5E-09	9.5E-09	9.2E-08	5.9E-08	3.7E-08	2.6E-08
SKIN	8.3E-09	8.1E-09	6.9E-09	6.5E-09	6.6E-09	7.5E-09	7.5E-09	8.3E-09	7.5E-09	8.4E-09	1.1E-08
SPLEEN	9.5E-08	2.6E-09	1.5E-07	2.1E-08	1.9E-08	1.1E-08	1.1E-08	1.3E-07	1.3E-08	3.2E-08	2.1E-08
TESTES	6.5E-10	6.8E-08	7.3E-10	4.6E-09	4.7E-09	2.8E-08	2.8E-08	1.6E-09	1.1E-09	1.9E-10	1.7E-08
THYROID	2.2E-09	6.2E-11	1.6E-09	3.3E-10	3.6E-10	1.4E-10	1.4E-10	9.2E-10	2.7E-09	1.2E-08	1.9E-08
UTERUS (NONGRVD)	2.4E-08	2.3E-07	1.1E-08	1.4E-07	6.9E-08	9.8E-08	9.8E-08	1.4E-08	5.4E-09	1.3E-09	3.3E-08
TOTAL BODY	3.1E-06	3.7E-07	9.4E-07	2.5E-06	1.5E-06	1.8E-06	1.8E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.

DATE OF ISSUE-05-13-75

188W

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 TUNGSTEN-188 HALF-LIFE 1.66E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R	TRA	BONE						
ADRENALS	5.6E-09	1.2E-07	3.4E-08	1.9E-08	1.9E-08	1.1E-08	9.2E-08	6.5E-10	2.2E-09	3.1E-06	
BLADDER WALL	1.0E-07	2.1E-09	1.1E-08	7.0E-09	7.0E-09	7.6E-09	2.1E-09	7.0E-08	6.2E-11	3.1E-06	
BONE (TOTAL)	1.8E-08	1.7E-08	5.8E-06	4.3E-05	3.4E-05	1.4E-08	1.4E-08	1.1E-08	1.3E-08	3.1E-06	
GI (STOM WALL)	1.1E-08	2.7E-07	1.5E-08	7.9E-09	7.9E-09	8.1E-09	1.4E-07	8.1E-10	8.4E-10	3.1E-06	
GI (SI)	1.7E-07	2.5E-08	3.7E-08	1.1E-08	1.1E-08	6.9E-09	2.0E-08	5.8E-09	1.7E-10	3.1E-06	
GI (ULI WALL)	1.6E-07	3.1E-08	2.9E-08	1.0E-08	1.0E-08	6.9E-09	1.8E-08	4.7E-09	1.4E-10	3.1E-06	
GI (LLI WALL)	2.1E-07	7.7E-09	4.2E-08	1.5E-08	1.5E-08	7.1E-09	8.9E-09	4.0E-08	1.1E-10	3.1E-06	
KIDNEYS	1.4E-08	9.2E-08	3.2E-08	1.3E-08	1.3E-08	9.4E-09	1.3E-07	8.5E-10	5.2E-10	3.1E-06	
LIVER	7.9E-09	6.2E-08	1.4E-08	9.3E-09	9.3E-09	8.2E-09	1.4E-08	5.5E-10	1.7E-09	3.1E-06	
LUNGS	1.0E-09	3.6E-08	1.7E-08	1.4E-08	1.4E-08	9.1E-09	3.2E-08	1.6E-10	1.4E-08	3.1E-06	
MARROW (RED)	6.5E-08	3.3E-08	1.2E-04	3.3E-07	2.9E-05	1.3E-08	2.1E-08	8.8E-09	1.4E-08	3.1E-06	
OTH TISS (MUSC)	2.8E-08	2.6E-08	1.8E-08	1.5E-08	1.5E-08	1.1E-08	2.1E-08	1.7E-08	1.9E-08	3.1E-06	
OVARIES	1.9E-02	4.7E-09	3.9E-08	1.1E-08	1.1E-08	6.2E-09	8.9E-09	0.0	1.3E-10	3.1E-06	
PANCREAS	6.7E-09	2.1E-03	2.3E-08	1.4E-08	1.4E-08	7.7E-09	2.8E-07	8.5E-10	1.3E-09	3.1E-06	
SKIN	6.4E-09	6.2E-09	9.4E-09	1.0E-08	1.0E-08	8.2E-05	7.4E-09	2.1E-08	1.2E-08	3.1E-06	
SPLEEN	7.7E-09	2.8E-07	1.2E-08	9.7E-09	9.7E-09	8.3E-09	1.2E-03	5.8E-10	1.6E-09	3.1E-06	
TESTES	0.0	9.2E-10	4.6E-09	8.3E-09	8.3E-09	1.4E-08	9.3E-10	6.1E-03	1.9E-11	3.1E-06	
THYROID	1.3E-10	2.0E-09	1.0E-08	1.3E-08	1.3E-08	1.1E-08	1.5E-09	1.9E-11	1.1E-02	3.1E-06	
UTERUS (NONGRVD)	3.0E-07	8.4E-09	3.1E-08	8.3E-09	8.3E-09	6.1E-09	5.4E-09	0.0	1.2E-10	3.1E-06	
TOTAL BODY	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 RHENIUM-188 HALF-LIFE 16.8 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	1.2E-01	7.5E-08	9.3E-07	4.4E-07	3.8E-07	4.4E-06	1.8E-06	9.2E-07	5.6E-07
BLADDER WALL	5.8E-08	4.3E-03	1.4E-07	1.0E-06	7.8E-07	1.3E-07	8.0E-08	2.3E-08	6.7E-07
BONE (TOTAL)	6.4E-07	2.8E-07	2.8E-07	3.8E-07	3.5E-07	4.6E-07	3.5E-07	4.7E-07	3.9E-07
GI (STOM WALL)	1.1E-06	1.3E-07	3.4E-03	1.3E-06	1.4E-06	1.3E-06	7.2E-07	7.1E-07	5.1E-07
GI (SI)	3.3E-07	1.1E-06	9.8E-07	2.1E-03	6.2E-06	1.1E-06	6.0E-07	9.2E-08	5.8E-07
GI (ULI WALL)	3.7E-07	8.2E-07	1.3E-06	8.9E-06	3.9E-03	1.1E-06	9.3E-07	1.2E-07	6.1E-07
GI (LLI WALL)	1.0E-07	2.7E-06	4.8E-07	2.7E-06	1.2E-06	6.3E-03	3.0E-07	3.0E-08	6.3E-07
KIDNEYS	4.2E-06	1.2E-07	1.3E-06	1.2E-06	1.1E-06	3.3E-07	1.4E-06	3.5E-07	5.3E-07
LIVER	1.8E-06	8.8E-08	7.5E-07	6.9E-07	9.5E-07	1.2E-07	9.5E-04	9.1E-07	4.1E-07
LUNGS	9.1E-07	1.7E-08	6.7E-07	1.1E-07	1.2E-07	4.0E-08	9.4E-07	1.7E-03	5.0E-07
MARROW (RED)	1.2E-06	6.3E-07	4.9E-07	1.3E-06	1.1E-06	1.6E-06	5.0E-07	6.0E-07	6.4E-07
OTH TISS (MUSC)	5.6E-07	6.7E-07	5.3E-07	5.8E-07	5.6E-07	6.3E-07	4.1E-07	5.0E-07	6.1E-05
OVARIES	2.0E-07	2.4E-06	2.7E-07	3.8E-06	4.1E-06	6.6E-06	1.8E-07	4.9E-08	7.5E-07
PANCREAS	3.3E-06	9.7E-08	6.7E-06	7.6E-07	8.0E-07	2.7E-07	1.6E-06	9.6E-07	6.7E-07
SKIN	2.3E-07	2.3E-07	2.0E-07	1.8E-07	1.9E-07	2.1E-07	2.1E-07	2.3E-07	3.2E-07
SPLEEN	2.4E-06	1.4E-07	3.7E-06	5.8E-07	5.2E-07	3.4E-07	3.7E-07	8.3E-07	5.5E-07
TESTES	2.2E-08	1.8E-06	2.9E-08	1.4E-07	1.5E-07	6.8E-07	4.5E-08	7.7E-09	4.5E-07
THYROID	6.4E-08	3.2E-09	4.8E-08	1.2E-08	1.3E-08	5.7E-09	6.6E-08	4.0E-07	5.0E-07
UTERUS (NONGRVD)	3.1E-07	5.8E-06	3.2E-07	3.4E-06	1.9E-06	2.4E-06	1.5E-07	3.9E-08	8.6E-07
TOTAL BODY	2.5E-05	3.4E-06	7.9E-06	2.0E-05	1.2E-05	1.5E-05	2.5E-05	2.5E-05	2.5E-05

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.

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188Re

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 RHENIUM-188 HALF-LIFE 16.8 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	1.7E-07	3.1E-06	8.5E-07	5.5E-07	5.5E-07	2.7E-07	2.4E-06	2.2E-08	6.3E-08	2.5E-05	2.5E-05
BLADDER WALL	2.6E-06	6.2E-08	3.4E-07	2.0E-07	2.0E-07	2.3E-07	6.9E-08	1.9E-06	3.2E-09	2.5E-05	2.5E-05
BONE (TOTAL)	4.6E-07	4.4E-07	9.8E-05	3.4E-04	1.9E-04	3.6E-07	3.6E-07	2.9E-07	3.3E-07	2.5E-05	2.5E-05
GI (STOM WALL)	3.0E-07	6.6E-06	3.8E-07	2.1E-07	2.1E-07	2.3E-07	3.7E-06	2.7E-08	3.5E-08	2.5E-05	2.5E-05
GI (SI)	4.5E-06	6.7E-07	9.7E-07	2.9E-07	2.9E-07	1.9E-07	5.3E-07	1.7E-07	7.0E-09	2.5E-05	2.5E-05
GI (ULI WALL)	4.1E-06	8.1E-07	7.6E-07	2.7E-07	2.7E-07	2.0E-07	5.3E-07	1.3E-07	7.9E-09	2.5E-05	2.5E-05
GI (LLI WALL)	5.4E-06	2.1E-07	1.1E-06	3.8E-07	3.8E-07	2.1E-07	2.4E-07	1.0E-06	4.9E-09	2.5E-05	2.5E-05
KIDNEYS	3.8E-07	2.4E-06	8.6E-07	3.5E-07	3.5E-07	2.6E-07	3.3E-06	3.2E-08	2.4E-08	2.5E-05	2.5E-05
LIVER	2.2E-07	1.6E-06	3.6E-07	2.6E-07	2.6E-07	2.3E-07	3.8E-07	2.2E-08	5.3E-08	2.5E-05	2.5E-05
LUNGS	3.8E-08	9.2E-07	4.5E-07	3.7E-07	3.7E-07	2.5E-07	8.4E-07	6.0E-09	3.8E-07	2.5E-05	2.5E-05
MARROW (RED)	1.6E-06	8.4E-07	7.5E-04	2.6E-05	4.9E-04	3.4E-07	5.3E-07	2.3E-07	3.6E-07	2.5E-05	2.5E-05
OTH TISS (MUSC)	7.5E-07	6.7E-07	4.7E-07	3.9E-07	3.9E-07	3.2E-07	5.5E-07	4.5E-07	5.0E-07	2.5E-05	2.5E-05
OVARIES	1.5E-01	2.0E-07	1.2E-06	3.2E-07	3.2E-07	1.6E-07	2.3E-07	0.0	5.7E-09	2.5E-05	2.5E-05
PANCREAS	2.2E-07	1.7E-02	5.8E-07	3.5E-07	3.5E-07	1.9E-07	7.1E-06	2.5E-08	3.4E-08	2.5E-05	2.5E-05
SKIN	1.8E-07	1.8E-07	2.6E-07	2.9E-07	2.9E-07	6.5E-04	2.1E-07	5.6E-07	3.1E-07	2.5E-05	2.5E-05
SPLEEN	2.1E-07	7.2E-06	3.5E-07	2.7E-07	2.7E-07	2.4E-07	9.5E-03	2.3E-08	5.1E-08	2.5E-05	2.5E-05
TESTES	0.0	2.9E-08	1.5E-07	2.4E-07	2.4E-07	3.5E-07	3.0E-08	4.9E-02	1.3E-09	2.5E-05	2.5E-05
THYROID	5.7E-09	4.7E-08	3.0E-07	3.1E-07	3.1E-07	2.8E-07	4.7E-08	1.3E-09	8.5E-02	2.5E-05	2.5E-05
UTERUS (NONGRVD)	7.2E-06	2.2E-07	7.4E-07	2.4E-07	2.4E-07	2.0E-07	1.7E-07	0.0	5.4E-09	2.5E-05	2.5E-05
TOTAL BODY	2.5E-05	2.5E-05	2.5E-05	2.5E-05	2.5E-05	2.5E-05	2.5E-05	2.5E-05	2.5E-05	2.5E-05	2.5E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 OSMIUM-190M HALF-LIFE 0.165 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	2.4E-02	2.6E-06	2.6E-05	1.5E-05	1.2E-05	1.4E-04	5.7E-05	2.9E-05	1.8E-05
BLADDER WALL	1.4E-06	1.5E-03	4.9E-06	3.7E-05	2.3E-05	4.4E-06	3.5E-06	8.2E-07	2.1E-05
BONE (TOTAL)	1.7E-05	7.3E-06	7.4E-06	9.8E-06	8.9E-06	1.2E-05	9.1E-06	1.2E-05	1.3E-05
GI (STOM WALL)	3.4E-05	3.9E-06	1.1E-03	4.0E-05	4.2E-05	3.9E-05	2.2E-05	2.2E-05	1.6E-05
GI (SI)	1.1E-05	3.1E-05	3.1E-05	6.8E-04	1.9E-04	3.2E-05	1.9E-05	3.1E-06	1.8E-05
GI (ULI WALL)	1.2E-05	2.7E-05	3.9E-05	2.7E-04	1.1E-03	3.4E-05	3.0E-05	4.2E-06	1.9E-05
GI (LLI WALL)	3.8E-06	8.2E-05	1.5E-05	8.0E-05	3.5E-05	1.0E-05	3.5E-06	1.0E-06	2.0E-05
KIDNEYS	1.3E-04	4.2E-06	3.9E-05	3.7E-05	3.2E-05	1.7E-03	4.4E-05	1.2E-05	1.7E-05
LIVER	5.7E-05	3.2E-06	2.4E-05	2.1E-05	2.9E-05	4.6E-05	4.4E-04	2.8E-05	1.3E-05
LUNGS	2.8E-05	5.5E-07	2.1E-05	3.7E-06	3.9E-06	1.1E-05	2.8E-05	4.2E-04	1.6E-05
MARROW (RED)	3.0E-05	1.6E-05	1.3E-05	3.1E-05	2.7E-05	3.1E-05	1.3E-05	1.5E-05	1.7E-05
OTH TISS (MUSC)	1.8E-05	2.1E-05	1.6E-05	1.8E-05	1.7E-05	1.7E-05	1.3E-05	1.6E-05	2.7E-05
OVARIES	6.5E-06	7.5E-05	6.7E-06	1.1E-04	1.4E-04	1.4E-05	3.5E-06	1.7E-06	2.3E-05
PANCREAS	9.9E-05	3.2E-06	2.0E-04	2.4E-05	2.3E-05	7.7E-05	5.3E-05	3.1E-05	2.1E-05
SKIN	7.8E-06	7.5E-06	6.7E-06	6.1E-06	6.3E-06	7.6E-06	6.9E-06	7.7E-06	1.0E-05
SPLEEN	7.5E-05	2.6E-06	1.1E-04	1.8E-05	1.5E-05	9.8E-05	1.2E-05	2.5E-05	1.7E-05
TESTES	7.9E-07	5.8E-05	5.2E-07	4.4E-06	5.6E-06	1.7E-06	1.4E-06	2.7E-07	1.4E-05
THYROID	2.2E-06	1.0E-07	1.7E-06	4.4E-07	4.7E-07	1.1E-06	2.2E-06	1.3E-05	1.6E-05
UTERUS (NONGRVD)	8.7E-06	1.8E-04	1.0E-05	1.0E-04	5.3E-05	1.0E-05	5.0E-06	1.1E-06	2.4E-05
TOTAL BODY	2.3E-05	2.2E-05	2.2E-05	2.6E-05	2.4E-05	2.3E-05	2.4E-05	2.1E-05	2.0E-05

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.

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190mOs

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
OSMIUM-190M HALF-LIFE 0.165 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	SKELETON				
			R MARROW	CORT	BONE	TRA	BONE					
ADRENALS	6.5E-06	9.7E-05	2.4E-05	1.9E-05	1.9E-05	8.2E-06	7.3E-05	7.9E-07	2.2E-06	2.9E-05		
BLADDER WALL	7.9E-05	2.1E-06	8.6E-06	7.1E-06	7.1E-06	7.3E-06	1.9E-06	5.9E-05	1.1E-07	2.5E-05		
BONE (TOTAL)	1.2E-05	1.1E-05	3.6E-05	9.2E-05	8.1E-05	1.0E-05	9.5E-06	8.0E-06	9.1E-06	2.2E-05		
GI (STOM WALL)	9.6E-06	2.0E-04	1.2E-05	6.8E-06	6.8E-06	7.4E-06	1.1E-04	1.2E-06	1.3E-06	2.5E-05		
GI (SI)	1.4E-04	2.1E-05	3.1E-05	9.3E-06	9.3E-06	6.3E-06	1.6E-05	6.0E-06	1.4E-07	2.7E-05		
GI (ULI WALL)	1.3E-04	2.5E-05	2.4E-05	8.4E-06	8.4E-06	6.6E-06	1.6E-05	3.9E-06	1.6E-07	2.6E-05		
GI (ILI WALL)	1.7E-04	6.4E-06	3.5E-05	1.1E-05	1.1E-05	6.9E-06	8.0E-06	3.3E-05	1.7E-07	2.6E-05		
KIDNEYS	1.3E-05	7.3E-05	2.7E-05	1.1E-05	1.1E-05	8.6E-06	1.0E-04	1.1E-06	6.2E-07	2.4E-05		
LIVER	7.1E-06	4.9E-05	1.2E-05	8.2E-06	8.2E-06	7.7E-06	1.2E-05	6.3E-07	1.8E-06	2.4E-05		
LUNGS	1.3E-06	2.8E-05	1.4E-05	1.1E-05	1.1E-05	7.9E-06	2.6E-05	1.8E-07	1.2E-05	2.1E-05		
MARROW (RED)	3.9E-05	2.2E-05	2.3E-04	3.8E-05	7.6E-05	9.4E-06	1.4E-05	6.4E-06	1.0E-05	2.4E-05		
OTH TISS (MUSC)	2.3E-05	2.1E-05	1.5E-05	1.3E-05	1.3E-05	1.0E-05	1.7E-05	1.4E-05	1.6E-05	2.0E-05		
OVARIES	3.2E-02	5.0E-06	3.8E-05	1.2E-05	1.2E-05	4.2E-06	1.1E-05	0.0	2.0E-07	2.3E-05		
PANCREAS	6.7E-06	5.0E-03	1.9E-05	1.1E-05	1.1E-05	6.7E-06	2.2E-04	5.9E-07	8.7E-07	2.5E-05		
SKIN	6.0E-06	5.8E-06	8.6E-06	9.8E-06	9.8E-06	1.2E-04	7.1E-06	1.8E-05	1.0E-05	1.4E-05		
SPLEEN	7.7E-06	2.2E-04	9.9E-06	9.4E-06	9.4E-06	7.7E-06	2.9E-03	1.2E-06	1.6E-06	2.4E-05		
TESTES	0.0	8.2E-07	4.8E-06	6.9E-06	6.9E-06	1.0E-05	1.1E-06	1.1E-02	3.8E-08	2.4E-05		
THYROID	2.0E-07	1.9E-06	1.0E-05	1.2E-05	1.2E-05	9.5E-06	1.7E-06	3.8E-08	1.8E-02	2.0E-05		
UTERUS (NONGRVD)	2.2E-04	7.3E-06	2.3E-05	7.2E-06	7.2E-06	6.5E-06	5.5E-06	0.0	1.9E-07	2.6E-05		
TOTAL BODY	2.7E-05	2.7E-05	2.2E-05	2.0E-05	2.0E-05	1.4E-05	2.3E-05	2.0E-05	1.9E-05	2.0E-05		

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
IRIDIUM-190 HALF-LIFE 290. HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	1.1E-02	2.1E-06	2.1E-05	9.6E-06	4.5E-06	1.1E-04	4.6E-05	2.3E-05	1.4E-05
BLADDER WALL	1.2E-06	9.1E-04	4.0E-06	2.9E-05	1.8E-05	3.5E-06	2.7E-06	6.7E-07	1.7E-05
BONE (TOTAL)	1.4E-05	5.8E-06	6.0E-06	8.0E-06	7.3E-06	9.9E-06	7.4E-06	1.0E-05	1.0E-05
GI (STOM WALL)	2.8E-05	3.2E-06	6.6E-04	3.2E-05	3.4E-05	3.1E-05	1.8E-05	1.8E-05	1.3E-05
GI (SI)	8.7E-06	2.5E-05	2.5E-05	4.0E-04	1.5E-04	2.6E-05	1.5E-05	2.5E-06	1.5E-05
GI (ULI WALL)	9.7E-06	2.1E-05	3.1E-05	2.2E-04	6.0E-04	3.9E-05	2.4E-05	3.4E-06	1.5E-05
GI (ILLI WALL)	3.0E-06	6.6E-05	1.2E-05	6.5E-05	2.9E-05	8.0E-04	2.8E-06	7.7E-07	1.6E-05
KIDNEYS	1.1E-04	3.4E-06	3.1E-05	2.9E-05	2.6E-05	8.0E-06	3.5E-05	9.4E-06	1.3E-05
LIVER	4.6E-05	2.5E-06	1.9E-05	1.7E-05	2.3E-05	3.7E-05	2.9E-04	2.3E-05	1.0E-05
LUNGS	2.2E-05	4.7E-07	1.7E-05	3.0E-06	3.2E-06	8.8E-06	2.3E-05	2.3E-04	1.3E-05
MARROW (RED)	2.5E-05	1.3E-05	1.0E-05	2.6E-05	2.2E-05	3.3E-05	1.1E-05	1.3E-05	1.4E-05
OTH TISS (MUSC)	1.4E-05	1.7E-05	1.3E-05	1.5E-05	1.4E-05	1.6E-05	1.0E-05	1.3E-05	1.7E-05
OVARIES	5.0E-06	5.9E-05	6.0E-06	8.8E-05	1.1E-04	1.6E-04	3.1E-06	1.4E-06	1.9E-05
PANCREAS	8.0E-05	2.5E-06	1.7E-04	1.9E-05	1.8E-05	6.8E-06	4.3E-05	2.5E-05	1.7E-05
SKIN	6.3E-06	6.1E-06	5.4E-06	4.9E-06	5.1E-06	6.1E-06	5.6E-06	6.2E-06	8.4E-06
SPLEEN	6.0E-05	2.1E-06	9.1E-05	1.5E-05	1.2E-05	8.8E-06	9.4E-06	2.0E-05	1.4E-05
TESTES	6.4E-07	4.7E-05	4.9E-07	3.6E-06	4.5E-06	1.8E-05	1.2E-06	2.3E-07	1.2E-05
THYROID	1.8E-06	9.1E-08	1.4E-06	3.7E-07	3.9E-07	1.7E-07	1.7E-06	1.1E-05	1.3E-05
UTERUS (NONGRVD)	5.7E-06	1.4E-04	8.3E-06	8.3E-05	4.3E-05	5.5E-05	4.0E-06	9.4E-07	2.0E-05
TOTAL BODY	1.7E-05	1.8E-05	1.7E-05	2.0E-05	1.9E-05	1.9E-05	1.7E-05	1.5E-05	1.5E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 IRIIDIUM-190 HALF-LIFE 290. HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID				
			R MARROW	CORT BONE	TRA	BONE						
ADRENALS	5.2E-06	7.8E-05	1.9E-05	1.6E-05	6.6E-06	5.9E-05	6.4E-07	1.8E-06	2.1E-05			
BLADDER WALL	6.4E-05	1.7E-06	7.2E-06	5.6E-06	6.0E-06	1.6E-06	4.8E-05	9.2E-08	1.9E-05			
BONE (TOTAL)	9.5E-06	9.3E-06	2.7E-05	5.2E-05	8.4E-06	7.8E-06	6.5E-06	7.4E-06	1.6E-05			
GI (STOM WALL)	7.7E-06	1.6E-04	9.6E-06	5.4E-06	6.0E-06	9.2E-05	9.4E-07	1.1E-06	1.8E-05			
GI (SI)	1.1E-04	1.7E-05	2.5E-05	7.5E-06	5.1E-06	1.3E-05	4.8E-06	1.3E-07	2.0E-05			
GI (ULI WALL)	1.0E-04	2.0E-05	1.9E-05	6.7E-06	5.4E-06	1.3E-05	3.1E-06	1.5E-07	1.9E-05			
GI (LLI WALL)	1.3E-04	5.1E-06	2.8E-05	9.2E-06	5.6E-06	6.3E-06	2.6E-05	1.4E-07	2.0E-05			
KIDNEYS	1.0E-05	5.9E-05	2.2E-05	8.9E-06	6.9E-06	8.1E-05	9.5E-07	5.5E-07	1.8E-05			
LIVER	5.7E-06	3.9E-05	9.4E-06	6.6E-06	6.2E-06	9.9E-06	5.4E-07	1.5E-06	1.8E-05			
LUNGS	1.1E-06	2.3E-05	1.1E-05	9.2E-06	6.4E-06	2.1E-05	1.5E-07	9.9E-06	1.6E-05			
MARROW (RED)	3.2E-05	1.8E-05	1.2E-04	3.2E-05	7.8E-06	1.1E-05	5.1E-06	8.2E-06	1.8E-05			
OTH TISS (MUSC)	1.9E-05	1.7E-05	1.2E-05	1.0E-05	8.4E-06	1.4E-05	1.2E-05	1.3E-05	1.5E-05			
OVARIES	1.5E-02	4.4E-06	3.1E-05	9.4E-06	3.5E-06	8.4E-06	0.0	1.7E-07	1.7E-05			
PANCREAS	5.5E-06	2.9E-03	1.5E-05	8.8E-06	5.3E-06	1.8E-04	4.9E-07	7.1E-07	1.8E-05			
SKIN	4.9E-06	4.7E-06	6.9E-06	7.9E-06	5.3E-05	5.8E-06	1.5E-05	8.1E-06	9.6E-06			
SPLEEN	6.1E-06	1.8E-04	8.1E-06	7.7E-06	6.3E-06	1.7E-03	9.7E-07	1.3E-06	1.8E-05			
TESTES	0.0	6.8E-07	3.9E-06	5.6E-06	8.3E-06	8.7E-07	5.9E-03	3.4E-08	1.8E-05			
THYROID	1.7E-07	1.5E-06	8.2E-06	9.3E-06	7.6E-06	1.3E-06	3.4E-08	9.0E-03	1.5E-05			
UTERUS (NONGRVD)	1.7E-04	5.8E-06	1.8E-05	5.9E-06	5.4E-06	4.4E-06	0.0	1.6E-07	1.9E-05			
TOTAL BODY	2.0E-05	2.0E-05	1.6E-05	1.5E-05	9.8E-06	1.7E-05	1.5E-05	1.4E-05	1.5E-05			

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
IRIDIUM-190M HALF-LIFE 1.20 HOURS

TARGET ORGANS	SOURCE ORGANS							OTHER TISSUE (MUSCLE)	
	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER		LUNGS
		STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS	ILLI CONTENTS				
ADRENALS	3.9E-03	6.0E-17	3.8E-13	1.7E-14	4.6E-14	1.7E-15	4.6E-08	6.9E-09	2.5E-08
BLADDER WALL	6.6E-17	1.3E-04	1.1E-15	2.6E-12	2.0E-12	7.8E-10	5.1E-16	1.1E-17	2.2E-09
BONE (TOTAL)	2.5E-09	1.9E-13	2.2E-10	1.4E-09	9.2E-10	1.0E-09	1.3E-09	6.0E-10	2.4E-09
GI (STOM WALL)	1.0E-12	1.3E-15	1.0E-04	3.8E-09	1.2E-08	7.0E-11	7.9E-12	3.0E-09	9.0E-10
GI (SI)	1.4E-14	1.0E-12	1.1E-09	6.7E-05	5.7E-08	2.8E-08	3.7E-11	1.8E-10	4.6E-09
GI (ULI WALL)	1.7E-14	1.1E-12	4.5E-09	2.4E-06	1.2E-04	6.2E-08	4.4E-12	1.1E-09	2.3E-08
GI (ILLI WALL)	1.4E-15	1.9E-09	9.6E-12	1.6E-07	1.4E-08	1.9E-04	7.2E-14	1.0E-15	1.2E-09
KIDNEYS	4.3E-08	9.4E-16	2.5E-12	2.8E-11	2.0E-12	5.8E-14	1.8E-04	4.7E-09	9.4E-09
LIVER	3.8E-09	7.8E-16	1.2E-09	5.7E-10	8.9E-10	1.2E-15	2.5E-09	3.1E-05	4.1E-09
LUNGS	1.8E-09	2.9E-18	9.9E-10	2.4E-15	2.7E-15	1.1E-16	2.0E-10	2.3E-09	5.5E-05
MARROW (RED)	3.7E-09	1.6E-10	2.2E-10	6.1E-09	3.9E-09	4.4E-09	3.4E-09	6.1E-10	5.9E-10
OTH TISS (MUSC)	2.5E-08	2.2E-09	9.0E-10	4.6E-09	8.9E-10	1.2E-09	9.4E-09	4.1E-09	2.2E-08
OVARIES	9.3E-16	3.6E-11	1.1E-14	7.7E-08	1.1E-07	2.3E-07	1.9E-14	6.3E-15	1.2E-16
PANCREAS	1.7E-10	2.5E-16	4.6E-08	2.4E-13	2.3E-13	2.2E-14	1.3E-10	8.2E-09	4.8E-11
SKIN	3.6E-10	1.5E-10	7.7E-11	3.0E-10	4.8E-12	5.2E-10	9.3E-10	3.2E-10	2.6E-10
SPLEEN	2.3E-09	1.8E-16	6.3E-10	1.3E-12	3.8E-13	3.1E-14	3.5E-08	3.5E-14	3.7E-09
TESTES	1.1E-18	1.1E-11	2.0E-17	1.8E-15	1.8E-15	2.8E-12	1.7E-17	1.1E-17	2.1E-19
THYROID	3.5E-17	1.1E-21	2.2E-17	2.0E-19	2.6E-19	2.8E-20	3.6E-18	4.6E-17	5.4E-14
UTERUS (NONGRVD)	6.2E-16	2.2E-08	7.3E-15	7.6E-09	2.4E-11	3.0E-11	1.2E-14	3.2E-15	7.9E-17
TOTAL BODY	8.0E-07	1.6E-07	3.0E-07	6.6E-07	4.2E-07	5.1E-07	8.0E-07	8.0E-07	8.0E-07

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(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 IRIIDIUM-190M HALF-LIFE 1.20 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID		
			R	MARROW	CORT	BONE	TRA	BONE			
ADRENALS	9.3E-16	1.7E-10	3.3E-09	2.3E-09	2.3E-09	5.9E-10	6.2E-10	1.1E-18	3.5E-17	8.1E-07	
BLADDER WALL	1.0E-10	2.7E-16	5.8E-13	1.4E-13	1.4E-13	1.2E-09	2.0E-16	2.9E-11	1.2E-21	7.9E-07	
BONE (TOTAL)	1.5E-10	2.1E-10	4.8E-07	1.1E-05	1.0E-05	1.1E-08	2.1E-10	4.5E-13	1.0E-11	7.4E-07	
GI (STOM WALL)	2.0E-14	3.5E-08	8.3E-10	8.1E-10	8.1E-10	1.5E-09	4.8E-09	2.5E-17	2.8E-17	8.0E-07	
GI (SI)	2.7E-08	2.2E-13	2.0E-09	8.5E-10	8.5E-10	3.6E-10	1.0E-12	1.8E-15	2.0E-19	8.0E-07	
GI (ULI WALL)	8.3E-08	3.3E-13	3.8E-09	1.2E-09	1.2E-09	7.0E-10	7.4E-13	1.8E-15	2.7E-19	8.0E-07	
GI (LLI WALL)	9.7E-08	1.2E-14	8.5E-09	3.6E-09	3.6E-09	3.2E-10	2.8E-14	7.5E-12	2.2E-20	8.0E-07	
KIDNEYS	2.1E-14	1.3E-10	1.4E-09	1.7E-09	1.7E-09	1.0E-09	3.9E-08	1.7E-17	3.6E-18	8.0E-07	
LIVER	9.3E-15	8.6E-10	4.8E-10	7.0E-10	7.0E-10	2.7E-10	2.7E-14	1.0E-17	4.6E-17	8.0E-07	
LUNGS	3.5E-17	1.6E-11	8.8E-10	9.5E-10	9.5E-10	4.5E-10	3.6E-09	6.3E-20	5.0E-14	8.0E-07	
MARROW (RED)	6.4E-10	4.4E-10	3.5E-05	5.0E-07	1.3E-06	9.9E-09	2.2E-10	1.8E-11	1.5E-11	8.1E-07	
OTH TISS (MUSC)	2.5E-08	1.5E-08	3.2E-09	2.4E-09	2.4E-09	2.2E-08	7.8E-09	6.8E-10	2.1E-08	8.0E-07	
OVARIES	5.1E-03	3.1E-15	4.8E-10	1.2E-10	1.2E-10	7.8E-14	3.4E-15	0.0	9.5E-21	8.2E-07	
PANCREAS	3.0E-15	5.9E-04	2.6E-10	2.2E-09	2.2E-09	7.9E-11	3.4E-08	4.5E-18	3.0E-17	8.0E-07	
SKIN	6.8E-14	4.1E-11	3.0E-09	3.0E-09	3.0E-09	2.1E-05	4.4E-11	1.2E-08	2.8E-09	7.9E-07	
SPLEEN	3.7E-15	3.4E-08	8.7E-10	3.6E-09	3.6E-09	9.3E-10	3.1E-04	3.8E-18	1.6E-17	8.1E-07	
TESTES	0.0	4.5E-18	1.4E-11	1.3E-13	1.3E-13	7.4E-09	3.7E-18	1.6E-03	2.8E-23	8.1E-07	
THYROID	9.6E-21	3.0E-17	6.0E-10	7.4E-10	7.4E-10	7.0E-09	1.6E-17	2.8E-23	2.8E-03	8.3E-07	
UTERUS (NONGRVD)	1.0E-08	4.2E-15	3.7E-12	5.7E-13	5.7E-13	2.9E-10	1.6E-15	0.0	7.8E-21	8.1E-07	
TOTAL BODY	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	7.8E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
IRIDIUM-190M HALF-LIFE 3.20 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	3.1E-03	2.3E-08	1.2E-06	2.7E-07	3.3E-07	8.3E-08	5.8E-06	2.0E-06	1.1E-06	6.8E-07
BLADDER WALL	2.5E-08	1.3E-04	7.2E-08	1.0E-06	7.9E-07	3.2E-06	5.3E-08	3.3E-08	6.8E-09	8.6E-07
BONE (TOTAL)	1.4E-06	4.2E-07	5.1E-07	7.5E-07	6.7E-07	1.1E-06	9.2E-07	7.0E-07	1.0E-06	3.8E-07
GI (STOM WALL)	1.2E-06	6.3E-08	1.0E-04	1.7E-06	1.9E-06	7.7E-07	1.6E-06	8.4E-07	8.8E-07	6.5E-07
GI (SI)	2.5E-07	1.2E-06	1.2E-06	6.6E-05	9.3E-06	4.9E-06	1.2E-06	6.4E-07	4.6E-08	7.1E-07
GI (ULI WALL)	3.0E-07	8.5E-07	1.8E-06	1.5E-05	1.1E-04	2.1E-06	1.2E-06	1.1E-06	6.1E-08	7.5E-07
GI (LLI WALL)	5.4E-08	3.8E-06	4.7E-07	4.0E-06	1.5E-06	1.6E-04	2.0E-07	5.0E-08	1.1E-08	7.8E-07
KIDNEYS	5.5E-06	5.8E-08	1.6E-06	1.3E-06	1.2E-06	2.8E-07	1.7E-04	1.9E-06	3.1E-07	6.4E-07
LIVER	2.4E-06	3.6E-08	8.2E-07	7.5E-07	1.1E-06	5.9E-08	1.8E-06	3.7E-05	1.2E-06	5.0E-07
LUNGS	1.1E-06	3.6E-09	8.8E-07	5.6E-08	7.3E-08	1.7E-08	3.3E-07	1.3E-06	4.9E-05	6.6E-07
MARROW (RED)	2.4E-06	1.2E-06	8.1E-07	2.7E-06	2.3E-06	4.0E-06	2.5E-06	8.7E-07	1.3E-06	1.4E-06
OTH TISS (MUSC)	6.8E-07	8.6E-07	6.8E-07	7.1E-07	6.8E-07	7.8E-07	6.4E-07	5.0E-07	6.6E-07	2.1E-06
OVARIES	1.2E-07	3.4E-06	2.3E-07	5.9E-06	5.4E-06	9.6E-06	3.8E-07	1.5E-07	2.5E-08	9.5E-07
PANCREAS	4.4E-06	4.2E-08	1.0E-05	8.0E-07	8.4E-07	2.1E-07	3.0E-06	2.1E-06	1.2E-06	8.9E-07
SKIN	2.1E-07	2.2E-07	1.9E-07	1.5E-07	1.6E-07	1.9E-07	2.2E-07	1.9E-07	2.1E-07	3.4E-07
SPLEEN	3.2E-06	1.3E-07	5.4E-06	5.4E-07	6.0E-07	3.2E-07	4.8E-06	3.1E-07	1.0E-06	7.1E-07
TESTES	3.4E-09	2.5E-06	8.6E-09	6.7E-08	6.3E-08	7.9E-07	1.2E-08	8.0E-09	9.2E-10	5.2E-07
THYROID	1.8E-08	1.3E-10	1.2E-08	1.4E-09	1.6E-09	4.3E-10	5.6E-09	1.7E-08	2.8E-07	6.7E-07
UTERUS (NONGRVD)	4.4E-08	9.0E-06	1.9E-07	5.2E-06	2.7E-06	3.4E-06	2.3E-07	1.1E-07	2.1E-08	1.2E-06
TOTAL BODY	1.4E-06	1.1E-06	1.1E-06	1.5E-06	1.3E-06	1.4E-06	1.4E-06	1.5E-06	1.4E-06	1.2E-06

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.

DATE OF ISSUE-05-13-75

190m2Ir

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)

IRIDIUM-190M HALF-LIFE 3.20 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID			
			R MARROW	CORT BONE	TRA BONE						
ADRENALS	8.0E-08	4.4E-06	7.5E-07	5.3E-07	5.3E-07	2.2E-07	3.1E-06	3.4E-09	1.8E-08		1.2E-06
BLADDER WALL	3.7E-06	2.7E-08	3.8E-07	1.7E-07	1.7E-07	1.9E-07	2.5E-08	2.3E-06	1.3E-10		1.5E-06
BONE (TOTAL)	1.0E-06	8.7E-07	3.2E-06	1.1E-05	1.0E-05	7.0E-07	7.4E-07	4.3E-07	5.8E-07		1.9E-06
GI (STOM WALL)	2.7E-07	1.0E-05	3.3E-07	1.9E-07	1.9E-07	2.4E-07	5.3E-06	6.9E-09	2.0E-08		1.4E-06
GI (SI)	6.5E-06	6.6E-07	1.0E-06	3.0E-07	3.0E-07	1.7E-07	5.2E-07	9.4E-08	8.3E-10		1.5E-06
GI (ULI WALL)	5.8E-06	8.3E-07	8.4E-07	2.6E-07	2.6E-07	1.9E-07	6.0E-07	7.9E-08	1.6E-09		1.5E-06
GI (LLI WALL)	8.0E-06	1.9E-07	1.3E-06	4.1E-07	4.1E-07	1.7E-07	2.1E-07	1.2E-06	3.4E-10		1.5E-06
KIDNEYS	2.9E-07	3.2E-06	9.0E-07	3.2E-07	3.2E-07	2.7E-07	4.8E-06	6.1E-09	5.0E-09		1.4E-06
LIVER	1.5E-07	2.1E-06	3.2E-07	2.4E-07	2.4E-07	2.2E-07	3.2E-07	4.8E-09	2.3E-08		1.4E-06
LUNGS	1.2E-08	1.2E-06	4.8E-07	4.2E-07	4.2E-07	2.7E-07	1.1E-06	4.7E-10	3.8E-07		1.3E-06
MARROW (RED)	3.9E-06	1.6E-06	3.1E-05	3.7E-06	6.6E-06	6.5E-07	9.6E-07	3.2E-07	6.0E-07		2.2E-06
OTH TISS (MUSC)	9.5E-07	8.9E-07	4.7E-07	3.8E-07	3.8E-07	3.4E-07	7.1E-07	5.2E-07	6.7E-07		1.2E-06
OVARIES	4.2E-03	1.4E-07	1.6E-06	3.1E-07	3.1E-07	1.7E-07	1.2E-07	0.0	3.7E-10		1.4E-06
PANCREAS	1.2E-07	5.4E-04	6.6E-07	3.1E-07	3.1E-07	1.4E-07	1.1E-05	6.6E-09	1.1E-08		1.6E-06
SKIN	1.4E-07	1.4E-07	2.1E-07	2.4E-07	2.4E-07	1.6E-05	1.9E-07	6.9E-07	3.4E-07		9.1E-07
SPLEEN	1.3E-07	1.1E-05	3.5E-07	2.6E-07	2.6E-07	2.4E-07	3.0E-04	3.3E-09	1.9E-08		1.4E-06
TESTES	0.0	6.6E-09	1.3E-07	2.0E-07	2.0E-07	4.4E-07	5.7E-09	1.3E-03	2.5E-11		1.2E-06
THYROID	3.7E-10	1.7E-08	2.2E-07	2.9E-07	2.9E-07	3.2E-07	1.2E-08	2.5E-11	2.3E-03		1.2E-06
UTERUS (NONGRVD)	1.1E-05	1.2E-07	8.3E-07	1.8E-07	1.8E-07	1.8E-07	9.6E-08	0.0	3.3E-10		1.6E-06
TOTAL BODY	1.6E-06	1.6E-06	1.5E-06	1.4E-06	1.4E-06	9.6E-07	1.5E-06	1.2E-06	1.2E-06		1.3E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
GOLD-195 HALF-LIFE 4.39E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT				KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS	LLI CONTENTS				
ADRENALS	9.5E-03	5.5E-08	2.1E-06	5.0E-07	6.2E-07	1.7E-07	1.0E-05	3.5E-06	2.0E-06	1.2E-06
BLADDER WALL	6.0E-08	3.7E-04	1.5E-07	1.9E-06	1.5E-06	5.6E-06	1.2E-07	7.2E-08	1.4E-08	1.5E-06
BONE (TOTAL)	2.3E-06	7.6E-07	8.8E-07	1.3E-06	1.1E-06	1.9E-06	1.6E-06	1.2E-06	1.7E-06	6.9E-07
GI (STOM WALL)	2.1E-06	1.3E-07	2.9E-04	3.0E-06	3.3E-06	1.4E-06	2.8E-06	1.5E-06	1.5E-06	1.1E-06
GI (SI)	4.8E-07	2.2E-06	2.1E-06	1.9E-04	1.6E-05	8.5E-06	2.2E-06	1.2E-06	9.5E-08	1.2E-06
GI (ULI WALL)	5.8E-07	1.5E-06	3.0E-06	2.7E-05	3.1E-04	3.7E-06	2.1E-06	2.0E-06	1.2E-07	1.3E-06
GI (LLI WALL)	1.1E-07	6.6E-06	8.4E-07	7.0E-06	2.6E-06	4.9E-04	3.9E-07	1.1E-07	2.3E-08	1.4E-06
KIDNEYS	9.5E-06	1.2E-07	2.8E-06	2.4E-06	2.2E-06	5.2E-07	4.8E-04	3.3E-06	5.6E-07	1.1E-06
LIVER	4.1E-06	7.4E-08	1.5E-06	1.4E-06	2.0E-06	1.2E-07	3.2E-06	9.6E-05	2.1E-06	8.7E-07
LUNGS	2.0E-06	8.8E-09	1.5E-06	1.1E-07	1.4E-07	3.6E-08	6.0E-07	2.3E-06	1.4E-04	1.2E-06
MARROW (RED)	4.1E-06	2.0E-06	1.4E-06	4.6E-06	4.0E-06	6.5E-06	4.1E-06	1.5E-06	2.1E-06	2.3E-06
OTH TISS (MUSC)	1.2E-06	1.5E-06	1.2E-06	1.2E-06	1.2E-06	1.4E-06	1.1E-06	8.7E-07	1.2E-06	5.6E-06
OVARIES	2.7E-07	5.9E-06	4.1E-07	1.0E-05	9.6E-06	1.6E-06	7.1E-07	2.8E-07	4.8E-08	1.7E-06
PANCREAS	7.8E-06	9.0E-08	1.7E-05	1.5E-06	1.6E-06	4.2E-07	5.4E-06	3.6E-06	2.1E-06	1.5E-06
SKIN	3.6E-07	4.0E-07	3.3E-07	2.7E-07	2.9E-07	3.4E-07	3.8E-07	3.4E-07	3.8E-07	6.2E-07
SPLEEN	5.4E-06	3.4E-07	9.2E-06	1.0E-06	1.1E-06	5.8E-07	8.1E-06	5.9E-07	1.8E-06	1.2E-06
TESTES	8.7E-09	4.3E-06	1.9E-08	1.4E-07	1.3E-07	1.4E-06	2.9E-08	2.0E-08	2.1E-09	9.0E-07
THYROID	4.3E-08	3.7E-10	2.8E-08	3.6E-09	4.1E-09	1.2E-09	1.4E-08	4.1E-08	5.5E-07	1.2E-06
UTERUS (NONGRVD)	1.0E-07	1.5E-05	3.9E-07	8.9E-06	4.7E-06	5.9E-06	4.6E-07	2.2E-07	4.2E-08	2.1E-06
TOTAL BODY	3.3E-06	2.0E-06	2.2E-06	3.3E-06	2.7E-06	2.9E-06	3.3E-06	3.4E-06	3.2E-06	2.9E-06

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195Au

(CONTINUED)

(RAD/UCI-H)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, HALF-LIFE 4.39E 03 HOURS
GOLD-195

SOURCE ORGANS

TARGET ORGANS	OVARIES	PANCREAS	SKELETON				SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY
			R MARROW	CORT BONE	TRA BONE	BONE					
ADRENALS	1.6E-07	7.8E-06	1.4E-06	9.1E-07	9.1E-07	4.0E-07	5.4E-06	8.7E-09	4.3E-08	3.0E-06	
BLADDER WALL	6.4E-06	6.1E-08	7.1E-07	3.3E-07	3.3E-07	3.4E-07	4.9E-08	4.0E-06	3.7E-10	3.4E-06	
BONE (TOTAL)	1.7E-06	1.5E-06	5.6E-06	3.0E-05	2.9E-05	1.2E-06	1.2E-06	7.6E-07	9.9E-07	4.1E-06	
GI (STOM WALL)	5.1E-07	1.7E-05	6.0E-07	3.5E-07	3.5E-07	4.3E-07	9.2E-06	1.3E-08	3.6E-08	3.2E-06	
GI (SI)	1.1E-05	1.2E-06	1.9E-06	5.4E-07	5.4E-07	3.1E-07	9.7E-07	1.8E-07	2.0E-09	3.5E-06	
GI (ULI WALL)	1.0E-05	1.5E-06	1.5E-06	4.7E-07	4.7E-07	3.5E-07	1.1E-06	1.6E-07	4.1E-09	3.5E-06	
GI (LLI WALL)	1.4E-05	3.6E-07	2.3E-06	7.5E-07	7.5E-07	3.2E-07	3.9E-07	2.2E-06	9.3E-10	3.5E-06	
KIDNEYS	5.6E-07	5.5E-06	1.6E-06	5.8E-07	5.8E-07	4.6E-07	8.3E-06	1.4E-08	1.2E-08	3.2E-06	
LIVER	3.0E-07	3.7E-06	6.0E-07	4.5E-07	4.5E-07	4.0E-07	6.1E-07	1.1E-08	4.5E-08	3.3E-06	
LUNGS	2.6E-08	2.1E-06	8.6E-07	7.4E-07	7.4E-07	4.7E-07	2.0E-06	1.2E-09	6.9E-07	3.1E-06	
MARROW (RED)	6.5E-06	2.8E-06	9.1E-05	6.4E-06	6.4E-06	1.1E-06	1.7E-06	5.8E-07	1.0E-06	4.6E-06	
OTH TISS (MUSC)	1.7E-06	1.5E-06	8.5E-07	6.9E-07	6.9E-07	6.2E-07	1.2E-06	9.0E-07	1.2E-06	2.9E-06	
OVARIES	1.3E-02	2.8E-07	2.9E-06	5.5E-07	5.5E-07	2.9E-07	2.1E-07	0.0	1.0E-09	3.3E-06	
PANCREAS	2.5E-07	1.5E-03	1.2E-06	5.6E-07	5.6E-07	2.6E-07	1.8E-05	1.6E-08	2.4E-08	3.5E-06	
SKIN	2.6E-07	2.6E-07	3.9E-07	4.4E-07	4.4E-07	4.9E-05	3.4E-07	1.2E-06	5.9E-07	2.4E-06	
SPLEEN	2.5E-07	1.9E-05	6.4E-07	4.5E-07	4.5E-07	4.2E-07	8.4E-04	7.2E-09	4.3E-08	3.3E-06	
TESTES	0.0	1.6E-08	2.7E-07	3.9E-07	3.9E-07	7.5E-07	1.4E-08	4.0E-03	7.1E-11	2.9E-06	
THYROID	1.0E-09	4.0E-08	4.2E-07	5.2E-07	5.2E-07	5.6E-07	2.8E-08	7.1E-11	6.8E-03	2.9E-06	
UTERUS (NONGRVD)	1.9E-05	2.5E-07	1.5E-06	3.4E-07	3.4E-07	3.2E-07	2.0E-07	0.0	9.2E-10	3.6E-06	
TOTAL BODY	3.7E-06	3.6E-06	3.4E-06	3.3E-06	3.3E-06	2.5E-06	3.4E-06	3.0E-06	3.0E-06	3.1E-06	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 GOLD-195M HALF-LIFE 8.47E-03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	2.0E-02	2.9E-07	3.6E-06	2.2E-06	1.4E-06	6.8E-07	1.6E-05	7.6E-06	3.8E-06	2.3E-06
BLADDER WALL	1.7E-07	7.8E-04	4.0E-07	4.2E-06	3.2E-06	9.9E-06	4.7E-07	2.8E-07	7.9E-08	2.7E-06
BONE (TOTAL)	2.6E-06	1.1E-06	1.1E-06	1.6E-06	1.4E-06	2.1E-06	1.8E-06	1.4E-06	1.9E-06	1.6E-06
GI (STOM WALL)	4.5E-06	4.3E-07	6.1E-04	5.6E-06	5.7E-06	2.7E-06	5.2E-06	3.0E-06	2.9E-06	2.1E-06
GI (SI)	1.3E-06	4.3E-06	4.0E-06	3.8E-04	2.6E-05	1.4E-05	4.3E-06	2.5E-06	3.1E-07	2.4E-06
GI (ULI WALL)	1.4E-06	3.5E-06	5.4E-06	4.0E-05	6.7E-04	6.6E-06	4.4E-06	3.8E-06	3.9E-07	2.5E-06
GI (LLI WALL)	3.7E-07	1.1E-05	1.9E-06	1.1E-05	4.6E-06	1.1E-03	1.3E-06	3.7E-07	1.5E-07	2.6E-06
KIDNEYS	1.8E-05	4.4E-07	5.3E-06	4.7E-06	4.2E-06	1.4E-06	9.8E-04	5.9E-06	1.4E-06	2.2E-06
LIVER	7.6E-06	3.3E-07	3.0E-06	2.8E-06	3.9E-06	4.3E-07	5.9E-06	1.9E-04	3.8E-06	1.7E-06
LUNGS	3.8E-06	4.3E-08	2.7E-06	3.9E-07	4.2E-07	1.3E-07	1.3E-06	3.8E-06	2.9E-04	2.0E-06
MARROW (RED)	4.7E-06	2.6E-06	2.0E-06	5.2E-06	4.5E-06	6.4E-06	4.8E-06	2.0E-06	2.4E-06	2.6E-06
OTH TISS (MUSC)	2.3E-06	2.7E-06	2.2E-06	2.4E-06	2.3E-06	2.6E-06	2.2E-06	1.7E-06	2.0E-06	1.2E-05
OVARIES	8.5E-07	1.1E-05	6.9E-07	1.6E-05	1.8E-05	3.0E-05	1.8E-06	6.6E-07	1.9E-07	3.1E-06
PANCREAS	1.3E-05	4.3E-07	2.8E-05	3.1E-06	3.5E-06	1.1E-06	9.9E-06	6.2E-06	3.9E-06	2.8E-06
SKIN	9.0E-07	8.8E-07	7.4E-07	7.0E-07	7.1E-07	8.1E-07	9.0E-07	8.1E-07	9.1E-07	1.2E-06
SPLEEN	1.0E-05	2.9E-07	1.5E-05	2.3E-06	2.1E-06	1.2E-06	1.4E-05	1.4E-06	3.5E-06	2.2E-06
TESTES	7.3E-08	7.2E-06	8.5E-08	5.2E-07	5.2E-07	3.1E-06	1.8E-07	1.3E-07	2.1E-08	1.8E-06
THYROID	2.4E-07	6.8E-09	1.8E-07	3.7E-08	4.1E-08	1.5E-08	1.0E-07	3.1E-07	1.3E-06	2.1E-06
UTERUS (NONGRVD)	2.8E-06	2.4E-05	1.2E-06	1.4E-05	7.3E-06	1.1E-05	1.5E-06	6.0E-07	1.4E-07	3.6E-06
TOTAL BODY	6.4E-06	3.4E-06	4.0E-06	6.2E-06	4.9E-06	5.3E-06	6.5E-06	6.5E-06	6.1E-06	6.0E-06

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195mAu

(CONTINUED)

(RAD/UCI-H)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
GOLD-195M HALF-LIFE 8.47E-03 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	BONE				
			MARROW	CORT	BONE	TRA	BONE					
ADRENALS	6.1E-07	1.3E-05	3.8E-06	2.0E-06	2.0E-06	1.2E-06	9.9E-06	7.3E-08	2.4E-07	6.8E-06		
BLADDER WALL	1.1E-05	2.4E-07	1.2E-06	7.6E-07	8.3E-07	8.3E-07	2.4E-07	7.5E-06	6.8E-09	6.6E-06		
BONE (TOTAL)	1.9E-06	1.8E-06	1.2E-05	6.0E-05	4.9E-05	1.4E-06	1.5E-06	1.2E-06	1.3E-06	6.5E-06		
GI (STOM WALL)	1.2E-06	2.8E-05	1.6E-06	8.7E-07	8.7E-07	8.7E-07	1.5E-05	8.7E-08	8.7E-08	6.7E-06		
GI (SI)	1.8E-05	2.8E-06	4.0E-06	1.2E-06	1.2E-06	7.5E-07	2.1E-06	6.5E-07	2.0E-08	6.9E-06		
GI (ULI WALL)	1.7E-05	3.3E-06	3.2E-06	1.1E-06	1.1E-06	7.4E-07	1.9E-06	5.3E-07	1.6E-08	6.7E-06		
GI (LLI WALL)	2.2E-05	8.5E-07	4.5E-06	1.6E-06	1.6E-06	7.8E-07	9.7E-07	4.3E-06	1.2E-08	6.6E-06		
KIDNEYS	1.5E-06	9.8E-06	3.4E-06	1.4E-06	1.4E-06	1.0E-06	1.4E-05	9.3E-08	5.9E-08	6.5E-06		
LIVER	8.8E-07	6.7E-06	1.5E-06	1.0E-06	1.0E-06	8.9E-07	1.5E-06	6.2E-08	1.8E-07	6.4E-06		
LUNGS	1.1E-07	3.8E-06	1.8E-06	1.5E-06	1.5E-06	9.8E-07	3.4E-06	1.8E-08	1.5E-06	6.1E-06		
MARROW (RED)	6.6E-06	3.4E-06	1.7E-04	6.7E-06	4.1E-05	1.3E-06	2.2E-06	9.5E-07	1.4E-06	6.9E-06		
OTH TISS (MUSC)	3.1E-06	2.8E-06	1.9E-06	1.6E-06	1.6E-06	1.2E-06	2.2E-06	1.8E-06	2.1E-06	6.0E-06		
OVARIES	2.6E-02	5.1E-07	4.0E-06	1.2E-06	1.2E-06	6.9E-07	9.7E-07	0.0	1.4E-08	6.7E-06		
PANCREAS	7.4E-07	3.1E-03	2.5E-06	1.6E-06	1.6E-06	8.5E-07	2.9E-05	9.9E-08	1.5E-07	7.1E-06		
SKIN	7.0E-07	6.7E-07	1.0E-06	1.1E-06	1.1E-06	1.1E-04	8.0E-07	2.3E-06	1.2E-06	5.1E-06		
SPLEEN	8.5E-07	3.0E-05	1.4E-06	1.0E-06	1.0E-06	9.0E-07	1.7E-03	6.0E-08	1.8E-07	6.6E-06		
TESTES	0.0	1.1E-07	5.0E-07	9.2E-07	9.2E-07	1.6E-06	1.0E-07	8.2E-03	2.0E-09	5.8E-06		
THYROID	1.4E-08	2.3E-07	1.1E-06	1.4E-06	1.4E-06	1.2E-06	1.7E-07	2.0E-09	1.4E-02	5.9E-06		
UTERUS (NONGRVD)	3.2E-05	9.4E-07	3.4E-06	9.2E-07	9.2E-07	6.5E-07	6.0E-07	0.0	1.3E-08	7.0E-06		
TOTAL BODY	7.0E-06	6.9E-06	6.3E-06	6.1E-06	6.1E-06	5.1E-06	6.5E-06	6.0E-06	5.8E-06	6.1E-06		

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 GOLD-198 HALF-LIFE 64.7 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS			
ADRENALS	5.1E-02	6.6E-07	6.6E-06	4.0E-06	2.9E-06	1.5E-05	7.3E-06	4.5E-06
BLADDER WALL	3.4E-07	2.0E-03	1.2E-06	9.5E-06	5.9E-06	8.7E-07	2.0E-07	5.3E-06
BONE (TOTAL)	4.3E-06	1.9E-06	1.9E-06	2.6E-06	2.3E-06	2.4E-06	3.2E-06	3.3E-06
GI (STOM WALL)	8.8E-06	9.4E-07	1.5E-03	1.0E-05	1.1E-05	5.7E-06	5.5E-06	4.2E-06
GI (SI)	2.8E-06	8.1E-06	7.9E-06	9.7E-04	4.9E-05	4.8E-06	7.7E-07	4.7E-06
GI (ULI WALL)	3.0E-06	7.1E-06	1.0E-05	6.9E-05	1.7E-03	7.6E-06	1.0E-06	4.9E-06
GI (LLI WALL)	9.5E-07	2.1E-05	3.8E-06	2.1E-05	9.0E-06	9.0E-07	2.7E-07	5.1E-06
KIDNEYS	3.5E-05	1.1E-06	1.0E-05	9.4E-06	8.2E-06	2.5E-03	3.0E-06	4.3E-06
LIVER	1.5E-05	7.9E-07	6.1E-06	5.5E-06	7.5E-06	1.2E-05	7.2E-06	3.3E-06
LUNGS	7.1E-06	1.3E-07	5.4E-06	9.3E-07	9.7E-07	2.8E-06	7.4E-04	4.0E-06
MARROW (RED)	7.8E-06	4.2E-06	3.4E-06	8.2E-06	7.1E-06	8.0E-06	4.0E-06	4.3E-06
OTH TISS (MUSC)	4.5E-06	5.3E-06	4.2E-06	4.7E-06	4.4E-06	4.3E-06	4.0E-06	2.9E-05
OVARIES	1.7E-06	2.0E-05	1.5E-06	2.8E-05	3.7E-05	3.6E-06	4.3E-07	6.0E-06
PANCREAS	2.5E-05	8.2E-07	5.3E-05	6.2E-06	5.9E-06	2.0E-05	8.1E-06	5.4E-06
SKIN	2.0E-06	1.9E-06	1.7E-06	1.5E-06	1.6E-06	1.9E-06	2.0E-06	2.6E-06
SPLEEN	2.0E-05	6.2E-07	2.9E-05	4.7E-06	3.8E-06	2.5E-05	6.5E-06	4.4E-06
TESTES	1.9E-07	1.5E-05	1.1E-07	1.1E-06	1.4E-06	4.2E-07	6.4E-08	3.7E-06
THYROID	5.6E-07	2.4E-08	4.3E-07	1.1E-07	1.1E-07	2.6E-07	3.3E-06	4.1E-06
UTERUS (NONGFVD)	2.9E-06	4.5E-05	2.6E-06	2.7E-05	1.4E-05	2.7E-06	2.9E-07	6.1E-06
TOTAL BODY	1.5E-05	6.7E-06	8.3E-06	1.4E-05	1.1E-05	1.5E-05	1.4E-05	1.4E-05

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(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
GOLD-198 HALF-LIFE 64.7 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID		
			R	MARROW	CORT	BONE	TRA	BONE			
ADRENALS	1.6E-06	2.5E-05	6.1E-06	4.7E-06	4.7E-06	4.7E-06	2.1E-06	1.9E-05	1.9E-07	5.6E-07	1.6E-05
BLADDER WALL	2.0E-05	5.6E-07	2.1E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	4.4E-07	1.5E-05	2.4E-08	1.5E-05
BONE (TOTAL)	3.0E-06	3.0E-06	4.2E-05	1.5E-04	9.8E-05	9.8E-05	2.6E-06	2.4E-06	2.1E-06	2.4E-06	1.5E-05
GI (STOM WALL)	2.5E-06	5.2E-05	3.1E-06	1.8E-06	1.8E-06	1.8E-06	1.9E-06	2.9E-05	2.9E-07	3.1E-07	1.5E-05
GI (SI)	3.5E-05	5.4E-06	8.0E-06	2.4E-06	2.4E-06	2.4E-06	1.6E-06	4.2E-06	1.5E-06	3.1E-08	1.6E-05
GI (ULI WALL)	3.3E-05	6.5E-06	6.2E-06	2.1E-06	2.1E-06	2.1E-06	1.6E-06	4.0E-06	1.0E-06	3.4E-08	1.6E-05
GI (LLI WALL)	4.3E-05	1.6E-06	9.1E-06	3.0E-06	3.0E-06	3.0E-06	1.7E-06	2.0E-06	8.5E-06	3.9E-08	1.6E-05
KIDNEYS	3.3E-06	1.9E-05	7.0E-06	2.7E-06	2.7E-06	2.7E-06	2.2E-06	2.6E-05	2.7E-07	1.4E-07	1.5E-05
LIVER	1.8E-06	1.3E-05	3.0E-06	2.1E-06	2.1E-06	2.1E-06	1.9E-06	3.2E-06	1.5E-07	4.4E-07	1.5E-05
LUNGS	3.0E-07	7.3E-06	3.6E-06	3.0E-06	3.0E-06	3.0E-06	2.0E-06	6.6E-06	4.2E-08	3.1E-06	1.5E-05
MARROW (RED)	1.0E-05	5.6E-06	3.6E-06	1.3E-05	1.3E-05	1.3E-05	2.4E-06	3.7E-06	1.7E-06	2.6E-06	1.5E-05
OTH TISS (MUSC)	6.0E-06	5.4E-06	3.9E-06	3.3E-06	3.3E-06	3.3E-06	2.6E-06	4.4E-06	3.7E-06	4.1E-06	1.4E-05
OVARIES	6.6E-02	1.1E-06	9.6E-06	2.9E-06	2.9E-06	2.9E-06	1.1E-06	2.8E-06	0.0	4.6E-08	1.5E-05
PANCREAS	1.6E-06	7.6E-03	5.1E-06	2.9E-06	2.9E-06	2.9E-06	1.8E-06	5.8E-05	1.5E-07	2.4E-07	1.6E-05
SKIN	1.5E-06	1.5E-06	2.2E-06	2.5E-06	2.5E-06	2.5E-06	2.7E-04	1.8E-06	4.6E-06	2.5E-06	1.3E-05
SPLEEN	2.0E-06	5.7E-05	2.5E-06	2.4E-06	2.4E-06	2.4E-06	1.9E-06	4.3E-03	2.9E-07	3.8E-07	1.5E-05
TESTES	0.0	2.0E-07	1.2E-06	1.8E-06	1.8E-06	1.8E-06	2.7E-06	2.6E-07	2.1E-02	8.2E-09	1.5E-05
THYROID	4.6E-08	5.3E-07	2.6E-06	3.2E-06	3.2E-06	3.2E-06	2.5E-06	4.2E-07	8.2E-09	3.6E-02	1.4E-05
UTERUS (NONGRVD)	5.7E-05	1.9E-06	6.1E-06	1.8E-06	1.8E-06	1.8E-06	1.6E-06	1.3E-06	0.0	4.3E-08	1.6E-05
TOTAL BODY	1.6E-05	1.6E-05	1.5E-05	1.4E-05	1.4E-05	1.4E-05	1.3E-05	1.5E-05	1.4E-05	1.4E-05	1.4E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 GOLD-199 HALF-LIFE 75.3 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	2.3E-02	1.2E-07	2.0E-06	8.9E-07	6.7E-07	2.8E-07	8.1E-06	3.5E-06	1.9E-06	1.1E-06
BLADDER WALL	9.0E-08	8.3E-04	1.8E-07	1.9E-06	1.6E-06	5.1E-06	2.1E-07	1.1E-07	2.9E-08	1.3E-06
BONE (TOTAL)	1.5E-06	6.5E-07	6.6E-07	9.2E-07	8.3E-07	1.2E-06	1.1E-06	8.2E-07	1.1E-06	7.4E-07
GI (STOM WALL)	2.2E-06	2.0E-07	6.6E-04	2.8E-06	2.9E-06	1.3E-06	2.6E-06	1.4E-06	1.4E-06	1.0E-06
GI (SI)	6.0E-07	2.2E-06	2.0E-06	4.1E-04	1.3E-05	7.2E-06	2.2E-06	1.2E-06	1.4E-07	1.2E-06
GI (ULI WALL)	6.8E-07	1.7E-06	2.7E-06	1.9E-05	7.4E-04	3.2E-06	2.1E-06	1.9E-06	1.6E-07	1.2E-06
GI (LLI WALL)	1.6E-07	5.6E-06	9.1E-07	5.6E-06	2.4E-06	1.2E-03	5.5E-07	1.6E-07	6.0E-08	1.3E-06
KIDNEYS	8.6E-06	1.9E-07	2.6E-06	2.3E-06	2.1E-06	6.5E-07	1.1E-03	3.0E-06	6.3E-07	1.0E-06
LIVER	3.8E-06	1.3E-07	1.5E-06	1.4E-06	1.9E-06	1.9E-07	2.9E-06	1.9E-04	1.9E-06	8.0E-07
LUNGS	1.9E-06	1.7E-08	1.3E-06	1.7E-07	1.9E-07	5.8E-08	6.3E-07	1.9E-06	3.2E-04	9.9E-07
MARROW (RED)	2.7E-06	1.6E-06	1.2E-06	3.1E-06	2.7E-06	3.8E-06	2.8E-06	1.2E-06	1.4E-06	1.5E-06
OTH TISS (MUSC)	1.1E-06	1.3E-06	1.1E-06	1.2E-06	1.1E-06	1.3E-06	1.0E-06	8.0E-07	9.9E-07	1.2E-05
OVARIES	4.2E-07	5.6E-06	3.6E-07	8.3E-06	8.8E-06	1.4E-05	8.5E-07	3.4E-07	7.5E-08	1.5E-06
PANCREAS	6.8E-06	1.8E-07	1.4E-05	1.5E-06	1.7E-06	5.2E-07	4.9E-06	3.1E-06	1.9E-06	1.4E-06
SKIN	4.0E-07	4.1E-07	3.4E-07	3.2E-07	3.2E-07	3.7E-07	4.1E-07	3.7E-07	4.1E-07	5.6E-07
SPLEEN	4.9E-06	3.3E-07	7.7E-06	1.1E-06	1.1E-06	5.9E-07	6.7E-06	6.8E-07	1.7E-06	1.1E-06
TESTES	2.6E-08	3.6E-06	4.0E-08	2.3E-07	2.1E-07	1.4E-06	6.9E-08	4.9E-08	6.8E-09	8.6E-07
THYROID	9.7E-08	1.8E-09	6.9E-08	1.2E-08	1.4E-08	4.6E-09	3.8E-08	1.2E-07	6.4E-07	9.9E-07
UTERUS (NONGRVD)	1.1E-06	1.2E-05	5.6E-07	7.3E-06	3.9E-06	5.4E-06	7.1E-07	2.8E-07	6.3E-08	1.8E-06
TOTAL BODY	5.7E-06	2.0E-06	2.7E-06	5.1E-06	3.6E-06	4.1E-06	5.7E-06	5.7E-06	5.6E-06	5.5E-06

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(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 GOLD-199 HALF-LIFE 75.3 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID	SKELETON				
			R MARROW	CORT	BONE	TRA	BONE					
ADRENALS	2.5E-07	6.7E-06	1.8E-06	8.7E-07	8.7E-07	8.7E-07	5.4E-07	4.8E-06	2.6E-08	9.7E-08	5.8E-06	
BLADDER WALL	5.4E-06	1.0E-07	6.7E-07	3.6E-07	3.6E-07	3.6E-07	3.7E-07	9.8E-08	3.6E-06	1.9E-09	5.8E-06	
BONE (TOTAL)	1.1E-06	1.1E-06	1.1E-05	6.6E-05	5.3E-05	5.3E-05	7.6E-07	8.5E-07	6.6E-07	7.4E-07	5.9E-06	
GI (STOM WALL)	5.9E-07	1.4E-05	7.4E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	7.6E-06	2.7E-08	3.3E-08	5.8E-06	
GI (SI)	9.2E-06	1.4E-06	1.9E-06	5.6E-07	5.6E-07	5.6E-07	3.4E-07	1.0E-06	2.7E-07	8.1E-09	5.9E-06	
GI (ULI WALL)	8.5E-06	1.6E-06	1.6E-06	5.2E-07	5.2E-07	5.2E-07	3.5E-07	1.0E-06	2.4E-07	7.7E-09	5.9E-06	
GI (LLI WALL)	1.1E-05	4.2E-07	2.2E-06	7.8E-07	7.8E-07	7.8E-07	3.6E-07	4.5E-07	2.1E-06	3.7E-09	5.8E-06	
KIDNEYS	6.8E-07	5.0E-06	1.6E-06	6.4E-07	6.4E-07	6.4E-07	4.5E-07	6.9E-06	3.2E-08	2.5E-08	5.7E-06	
LIVER	4.0E-07	3.3E-06	6.9E-07	4.9E-07	4.9E-07	4.9E-07	4.1E-07	7.3E-07	2.4E-08	7.4E-08	5.7E-06	
LUNGS	4.5E-08	1.9E-06	8.8E-07	7.2E-07	7.2E-07	7.2E-07	4.6E-07	1.7E-06	6.0E-09	7.0E-07	5.5E-06	
MARROW (RED)	4.0E-06	2.0E-06	1.9E-04	3.8E-06	4.5E-05	4.5E-05	7.2E-07	1.3E-06	5.2E-07	8.1E-07	6.2E-06	
OTH TISS (MUSC)	1.5E-06	1.4E-06	9.0E-07	7.4E-07	7.4E-07	7.4E-07	5.6E-07	1.1E-06	8.6E-07	9.9E-07	5.5E-06	
OVARIES	2.9E-02	2.8E-07	2.2E-06	5.3E-07	5.3E-07	5.3E-07	3.2E-07	3.4E-07	0.0	4.3E-09	5.8E-06	
PANCREAS	3.5E-07	3.3E-03	1.2E-06	6.9E-07	6.9E-07	6.9E-07	3.6E-07	1.5E-05	4.3E-08	6.0E-08	6.0E-06	
SKIN	3.1E-07	3.1E-07	4.6E-07	5.0E-07	5.0E-07	5.0E-07	1.2E-04	3.6E-07	1.1E-06	5.7E-07	5.0E-06	
SPLEEN	3.7E-07	1.5E-05	6.8E-07	4.6E-07	4.6E-07	4.6E-07	4.2E-07	1.8E-03	1.3E-08	7.8E-08	5.7E-06	
TESTES	0.0	4.4E-08	2.9E-07	4.6E-07	4.6E-07	4.6E-07	7.3E-07	3.9E-08	9.2E-03	4.7E-10	5.3E-06	
THYROID	4.3E-09	9.1E-08	5.1E-07	6.2E-07	6.2E-07	6.2E-07	5.4E-07	6.8E-08	4.7E-10	1.6E-02	5.3E-06	
UTERUS (NONGRVD)	1.6E-05	4.1E-07	1.7E-06	4.3E-07	4.3E-07	4.3E-07	3.0E-07	2.8E-07	0.0	4.0E-09	6.0E-06	
TOTAL BODY	6.0E-06	6.0E-06	5.7E-06	5.6E-06	5.6E-06	5.6E-06	5.0E-06	5.7E-06	5.5E-06	5.4E-06	5.5E-06	

DECAY DATA REVISED-MARCH, 1972. REFERENCE-MIRD PAMPHLET NO. 10.
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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 MERCURY-197 HALF-LIFE 65.0 HOURS

TARGET ORGANS	SOURCE ORGANS							OTHER TISSUE (MUSCLE)			
	ADRENALS	BLADDER CONTENTS	STOMACH CONTENTS	SI CONTENTS	INTESTINAL TRACT CONTENTS	ULI CONTENTS	LLI CONTENTS		KIDNEYS	LIVER	LUNGS
ADRENALS	1.1E-02	4.5E-08	1.8E-06	4.1E-07	5.1E-07	1.4E-07	1.4E-07	8.4E-06	2.9E-06	1.7E-06	1.0E-06
BLADDER WALL	4.9E-08	4.3E-04	1.2E-07	1.5E-06	1.2E-06	4.7E-06	4.7E-06	9.8E-08	5.9E-08	1.2E-08	1.2E-06
BONE (TOTAL)	1.9E-06	6.3E-07	7.3E-07	1.1E-06	9.5E-07	1.6E-06	1.6E-06	1.3E-06	9.8E-07	1.4E-06	5.7E-07
GI (STOM WALL)	1.8E-06	1.1E-07	3.4E-04	2.5E-06	2.7E-06	1.1E-06	1.1E-06	2.3E-06	1.2E-06	1.3E-06	9.2E-07
GI (SI)	4.0E-07	1.9E-06	1.7E-06	2.1E-04	1.3E-05	7.0E-06	7.0E-06	1.8E-06	9.6E-07	7.9E-08	1.0E-06
GI (ULI WALL)	4.8E-07	1.3E-06	2.5E-06	2.3E-05	3.7E-04	3.1E-06	3.1E-06	1.7E-06	1.7E-06	1.0E-07	1.1E-06
GI (LLI WALL)	9.2E-08	5.5E-06	7.0E-07	5.8E-06	2.2E-06	5.8E-04	5.8E-04	3.2E-07	8.8E-08	2.0E-08	1.1E-06
KIDNEYS	7.9E-06	1.0E-07	2.3E-06	2.0E-06	1.8E-05	4.3E-07	4.3E-07	5.5E-04	2.7E-06	4.7E-07	9.3E-07
LIVER	3.4E-06	6.1E-08	1.2E-06	1.1E-06	1.7E-06	1.0E-07	1.0E-07	2.7E-06	1.1E-04	1.7E-06	7.2E-07
LUNGS	1.6E-06	7.2E-09	1.3E-06	9.3E-08	1.2E-07	2.9E-08	2.9E-08	5.0E-07	1.9E-06	1.7E-04	9.7E-07
MARROW (RED)	3.4E-06	1.7E-06	1.2E-06	3.8E-06	3.3E-06	5.4E-06	5.4E-06	3.4E-06	1.3E-06	1.8E-06	1.9E-06
OTH TISS (MUSC)	1.0E-06	1.2E-06	9.7E-07	1.0E-06	1.0E-06	1.1E-06	1.1E-06	9.3E-07	7.2E-07	9.7E-07	6.3E-06
OVARIES	2.2E-07	4.9E-06	3.4E-07	8.4E-06	8.0E-06	1.4E-05	1.4E-05	5.9E-07	2.4E-07	4.0E-08	1.4E-06
PANCREAS	6.4E-06	7.5E-08	1.4E-05	1.2E-06	1.3E-06	3.5E-07	3.5E-07	4.5E-06	3.0E-06	1.8E-06	1.3E-06
SKIN	3.0E-07	3.3E-07	2.7E-07	2.3E-07	2.4E-07	2.8E-07	2.8E-07	3.2E-07	2.8E-07	3.1E-07	5.2E-07
SPLEEN	4.5E-06	2.8E-07	7.6E-06	8.3E-07	9.0E-07	4.9E-07	4.9E-07	6.7E-06	4.9E-07	1.5E-06	1.0E-06
TESTES	7.2E-09	3.6E-06	1.6E-08	1.2E-07	1.1E-07	1.1E-06	1.1E-06	2.4E-08	1.6E-08	1.8E-09	7.5E-07
THYROID	3.6E-08	3.1E-10	2.3E-08	3.0E-09	3.4E-09	9.8E-10	9.8E-10	1.2E-08	3.4E-08	4.5E-07	9.7E-07
UTERUS (NONGRVD)	9.2E-08	1.3E-05	3.2E-07	7.4E-06	3.9E-06	4.9E-06	4.9E-06	3.8E-07	1.8E-07	3.5E-08	1.8E-06
TOTAL BODY	3.5E-06	1.7E-06	2.1E-06	3.3E-06	2.5E-06	2.8E-06	2.8E-06	3.4E-06	3.5E-06	3.4E-06	3.1E-06

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197 Hg

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)

MERCURY-197 HALF-LIFE 65.0 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID					
			R MARROW	CORT BONE	TRA BONE							
ADRENALS	1.3E-07	6.5E-06	1.2E-06	7.6E-07	7.6E-07	3.3E-07	4.5E-06	7.2E-09	3.6E-08	3.1E-06		
BLADDER WALL	5.3E-06	5.0E-08	5.9E-07	2.7E-07	2.7E-07	2.9E-07	4.1E-08	3.4E-06	3.2E-10	3.5E-06		
BONE (TOTAL)	1.4E-06	1.2E-06	6.0E-06	3.5E-05	3.1E-05	9.8E-07	1.0E-06	6.3E-07	8.3E-07	4.1E-06		
GI (STOM WALL)	4.2E-07	1.4E-05	5.0E-07	2.9E-07	2.9E-07	3.6E-07	7.6E-06	1.1E-08	3.0E-08	3.3E-06		
GI (SI)	9.3E-06	1.0E-06	1.6E-06	4.5E-07	4.5E-07	2.6E-07	8.0E-07	1.5E-07	1.7E-09	3.6E-06		
GI (ULI WALL)	8.3E-06	1.3E-06	1.3E-06	3.9E-07	3.9E-07	2.9E-07	9.1E-07	1.3E-07	3.4E-09	3.6E-06		
GI (LLI WALL)	1.1E-05	3.0E-07	1.9E-06	6.2E-07	6.2E-07	2.6E-07	3.3E-07	1.8E-06	7.8E-10	3.6E-06		
KIDNEYS	4.6E-07	4.6E-06	1.3E-06	4.8E-07	4.8E-07	3.9E-07	6.9E-06	1.1E-08	1.0E-08	3.3E-06		
LIVER	2.5E-07	3.1E-06	5.0E-07	3.7E-07	3.7E-07	3.3E-07	5.0E-07	9.0E-09	3.7E-08	3.4E-06		
LUNGS	2.1E-08	1.8E-06	7.1E-07	6.2E-07	6.2E-07	3.9E-07	1.6E-06	1.0E-09	5.7E-07	3.3E-06		
MARROW (RED)	5.4E-06	2.3E-06	1.0E-04	5.4E-06	1.7E-05	9.1E-07	1.4E-06	4.8E-07	8.7E-07	4.5E-06		
OTH TISS (MUSC)	1.4E-06	1.3E-06	7.1E-07	5.7E-07	5.7E-07	5.2E-07	1.0E-06	7.5E-07	9.7E-07	3.1E-06		
OVARIES	1.5E-02	2.3E-07	2.4E-06	4.6E-07	4.6E-07	2.4E-07	1.8E-07	0.0	8.4E-10	3.4E-06		
PANCREAS	2.1E-07	1.7E-03	1.0E-06	4.6E-07	4.6E-07	2.2E-07	1.5E-05	1.3E-08	2.0E-08	3.6E-06		
SKIN	2.2E-07	2.2E-07	3.2E-07	3.7E-07	3.7E-07	5.9E-05	2.8E-07	9.9E-07	4.9E-07	2.7E-06		
SPLEEN	2.1E-07	1.6E-05	5.3E-07	3.8E-07	3.8E-07	3.5E-07	9.6E-04	6.0E-09	3.6E-08	3.4E-06		
TESTES	0.0	1.4E-08	2.3E-07	3.2E-07	3.2E-07	6.3E-07	1.2E-08	4.6E-03	6.1E-11	3.1E-06		
THYROID	8.4E-10	3.3E-08	3.5E-07	4.3E-07	4.3E-07	4.6E-07	2.3E-08	6.1E-11	8.0E-03	3.1E-06		
UTERUS (NONGRVD)	1.6E-05	2.1E-07	1.3E-06	2.8E-07	2.8E-07	2.6E-07	1.7E-07	0.0	7.7E-10	3.7E-06		
TOTAL BODY	3.7E-06	3.7E-06	3.5E-06	3.4E-06	3.4E-06	2.7E-06	3.5E-06	3.1E-06	3.1E-06	3.3E-06		

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
MERCURY-203 HALF-LIFE 1.12E 03 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	1.6E-02	3.6E-07	4.2E-06	2.7E-06	1.7E-06	8.4E-07	1.9E-05	9.0E-06	4.4E-06	2.7E-06
BLADDER WALL	2.1E-07	6.6E-04	5.0E-07	5.0E-06	3.8E-06	1.1E-05	5.9E-07	3.6E-07	1.0E-07	3.2E-06
BONE (TOTAL)	2.9E-06	1.3E-06	1.3E-06	1.8E-06	1.6E-06	2.3E-06	2.1E-06	1.6E-06	2.1E-06	1.9E-06
GI (STOM WALL)	5.3E-06	5.2E-07	5.1E-04	6.5E-06	6.7E-06	3.2E-06	6.1E-06	3.5E-06	3.3E-06	2.5E-06
GI (SI)	1.6E-06	5.1E-06	4.7E-06	3.2E-04	3.0E-05	1.7E-05	5.1E-06	3.0E-06	3.9E-07	2.8E-06
GI (ULI WALL)	1.7E-06	4.2E-06	6.3E-06	4.2E-05	5.5E-04	7.7E-06	5.2E-06	4.5E-06	4.9E-07	2.9E-06
GI (LLI WALL)	4.6E-07	1.3E-05	2.3E-06	1.3E-05	5.4E-06	8.7E-04	1.5E-06	4.6E-07	1.8E-07	3.1E-06
KIDNEYS	2.1E-05	5.5E-07	6.3E-06	5.5E-06	5.0E-06	1.7E-06	8.1E-04	6.9E-06	1.7E-06	2.5E-06
LIVER	8.9E-06	4.1E-07	3.6E-06	3.3E-06	4.6E-06	5.3E-07	7.0E-06	1.6E-04	4.4E-06	2.0E-06
LUNGS	4.4E-06	5.6E-08	3.1E-06	4.8E-07	5.2E-07	1.6E-07	1.6E-06	4.5E-06	2.4E-04	2.4E-06
MARROW (RED)	5.2E-06	3.0E-06	2.3E-06	5.8E-06	5.0E-06	6.9E-06	5.3E-06	2.3E-06	2.7E-06	2.9E-06
OTH TISS (MUSC)	2.7E-06	3.2E-06	2.5E-06	2.8E-06	2.7E-06	3.1E-06	2.5E-06	2.0E-06	2.4E-06	1.0E-05
OVARIES	1.0E-06	1.3E-05	8.1E-07	1.8E-05	2.1E-05	3.4E-05	2.2E-06	7.6E-07	2.3E-07	3.6E-06
PANCREAS	1.5E-05	5.2E-07	3.2E-05	3.7E-06	4.1E-06	1.3E-06	1.2E-05	7.4E-06	4.7E-06	3.2E-06
SKIN	1.1E-06	1.1E-06	9.0E-07	8.5E-07	8.6E-07	9.8E-07	1.1E-06	9.8E-07	1.1E-06	1.5E-06
SPLEEN	1.2E-05	3.3E-07	1.8E-05	2.8E-06	2.5E-06	1.5E-06	1.6E-05	1.7E-06	4.1E-06	2.6E-06
TESTES	9.2E-08	8.4E-06	9.9E-08	6.3E-07	6.5E-07	3.7E-06	2.2E-07	1.6E-07	2.8E-08	2.1E-06
THYROID	3.0E-07	9.0E-09	2.3E-07	4.8E-08	5.2E-08	2.0E-08	1.3E-07	3.8E-07	1.7E-06	2.4E-06
UTERUS (NONGRVD)	3.3E-06	2.8E-05	1.5E-06	1.7E-05	8.5E-06	1.2E-05	1.8E-06	7.2E-07	1.7E-07	4.0E-06
TOTAL BODY	6.0E-06	3.7E-06	4.1E-06	6.0E-06	4.9E-06	5.2E-06	6.0E-06	6.1E-06	5.6E-06	5.5E-06

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203Hg

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 MERCURY-203 HALF-LIFE 1.12E 03 HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY		
			R MARROW	CORT BONE TRA BONE							
ADRENALS	7.7E-07	1.5E-05	4.4E-06	2.5E-06	2.5E-06	1.4E-06	1.2E-05	9.2E-08	3.0E-07	6.5E-06	
BLADDER WALL	1.2E-05	3.0E-07	1.4E-06	9.3E-07	9.3E-07	1.0E-06	2.9E-07	8.8E-06	9.1E-09	6.2E-06	
BONE (TOTAL)	2.1E-06	2.0E-06	1.0E-05	4.9E-05	4.0E-05	1.6E-06	1.6E-06	1.4E-06	1.5E-06	6.0E-06	
GI (STOM WALL)	1.4E-06	3.3E-05	1.9E-06	1.0E-06	1.0E-06	1.0E-06	1.7E-05	1.2E-07	1.1E-07	6.4E-06	
GI (SI)	2.1E-05	3.3E-06	4.7E-06	1.4E-06	1.4E-06	9.0E-07	2.5E-06	8.0E-07	2.4E-08	6.6E-06	
GI (ULI WALL)	2.0E-05	4.0E-06	3.8E-06	1.3E-06	1.3E-06	8.9E-07	2.3E-06	6.4E-07	2.0E-08	6.3E-06	
GI (LLI WALL)	2.6E-05	1.0E-06	5.3E-06	1.9E-06	1.9E-06	9.4E-07	1.2E-06	5.1E-06	1.6E-08	6.2E-06	
KIDNEYS	1.8E-06	1.1E-05	4.1E-06	1.6E-06	1.6E-06	1.2E-06	1.6E-05	1.2E-07	7.3E-08	6.1E-06	
LIVER	1.1E-06	7.8E-06	1.8E-06	1.2E-06	1.2E-06	1.1E-06	1.9E-06	7.7E-08	2.3E-07	6.0E-06	
LUNGS	1.4E-07	4.5E-06	2.2E-06	1.8E-06	1.8E-06	1.2E-06	4.0E-06	2.2E-08	1.8E-06	5.6E-06	
MARROW (RED)	7.2E-06	3.8E-06	1.3E-04	6.5E-06	6.5E-06	1.5E-06	2.5E-06	1.1E-06	1.7E-06	6.4E-06	
OTH TISS (MUSC)	3.6E-06	3.2E-06	2.3E-06	1.9E-06	1.9E-06	1.5E-06	2.6E-06	2.1E-06	2.4E-06	5.5E-06	
OVARIES	2.1E-02	6.0E-07	4.7E-06	1.4E-06	1.4E-06	8.0E-07	1.2E-06	0.0	1.9E-08	6.3E-06	
PANCREAS	9.1E-07	2.5E-03	3.0E-06	1.9E-06	1.9E-06	1.0E-06	3.4E-05	1.2E-07	1.8E-07	6.7E-06	
SKIN	8.5E-07	8.1E-07	1.2E-06	1.4E-06	1.4E-06	8.4E-05	9.6E-07	2.7E-06	1.5E-06	4.5E-06	
SPLEEN	1.0E-06	3.5E-05	1.6E-06	1.3E-06	1.3E-06	1.1E-06	1.4E-03	8.6E-08	2.2E-07	6.2E-06	
TESTES	0.0	1.3E-07	6.1E-07	1.1E-06	1.1E-06	1.8E-06	1.3E-07	6.6E-03	2.8E-09	5.3E-06	
THYROID	1.9E-08	2.9E-07	1.4E-06	1.7E-06	1.7E-06	1.4E-06	2.2E-07	2.8E-09	1.1E-02	5.3E-06	
UTERUS (NONGRVD)	3.7E-05	1.1E-06	4.0E-06	1.1E-06	1.1E-06	7.8E-07	7.4E-07	0.0	1.8E-08	6.7E-06	
TOTAL BODY	6.7E-06	6.6E-06	5.9E-06	5.6E-06	5.6E-06	4.5E-06	6.1E-06	5.5E-06	5.3E-06	5.6E-06	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 THALLIUM-201 HALF-LIFE 73.5 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					LLI CONTENTS
ADRENALS	7.0E-03	6.7E-08	2.1E-06	5.6E-07	6.2E-07	1.9E-07	9.5E-06	3.4E-06	2.0E-06	1.2E-06
BLADDER WALL	6.5E-08	2.9E-04	1.5E-07	1.8E-06	1.5E-06	5.4E-06	1.3E-07	7.8E-08	1.7E-08	1.4E-06
BONE (TOTAL)	2.1E-06	7.3E-07	8.1E-07	1.2E-06	1.1E-06	1.7E-06	1.4E-06	1.1E-06	1.6E-06	6.9E-07
GI (STOM WALL)	2.1E-06	1.4E-07	2.2E-04	2.9E-06	3.1E-06	1.3E-06	2.7E-06	1.4E-06	1.5E-06	1.1E-06
GI (SI)	5.0E-07	2.2E-06	2.0E-06	1.4E-04	1.5E-05	8.0E-06	2.1E-06	1.1E-06	1.0E-07	1.2E-06
GI (ULI WALL)	5.9E-07	1.5E-06	2.9E-06	2.5E-05	2.4E-04	3.5E-06	2.1E-06	1.9E-06	1.3E-07	1.3E-06
GI (LLI WALL)	1.2E-07	6.3E-06	8.4E-07	6.6E-06	2.5E-06	3.7E-04	4.1E-07	1.2E-07	3.0E-08	1.3E-06
KIDNEYS	9.1E-06	1.4E-07	2.7E-06	2.3E-06	2.1E-06	5.3E-07	3.7E-04	3.1E-06	5.7E-07	1.1E-06
LIVER	4.0E-06	8.4E-08	1.5E-06	1.3E-06	1.9E-06	1.3E-07	3.1E-06	7.5E-05	2.0E-06	8.4E-07
LUNGS	1.9E-06	1.0E-08	1.4E-06	1.2E-07	1.5E-07	3.9E-08	6.0E-07	2.1E-06	1.1E-04	1.1E-06
MARROW (RED)	3.7E-06	1.9E-06	1.3E-06	4.2E-06	3.6E-06	5.8E-06	3.8E-06	1.4E-06	1.9E-06	2.1E-06
OTH TISS (MUSC)	1.2E-06	1.4E-06	1.1E-06	1.2E-06	1.2E-06	1.3E-06	1.1E-06	8.4E-07	1.1E-06	4.4E-06
OVARIES	3.0E-07	5.7E-06	3.9E-07	9.5E-06	9.2E-06	1.5E-05	7.2E-07	2.9E-07	5.3E-08	1.6E-06
PANCREAS	7.4E-06	1.1E-07	1.6E-05	1.4E-06	1.6E-06	4.4E-07	5.2E-06	3.5E-06	2.0E-06	1.5E-06
SKIN	3.6E-07	3.9E-07	3.2E-07	2.8E-07	2.9E-07	3.4E-07	3.8E-07	3.4E-07	3.8E-07	5.9E-07
SPLERN	5.2E-06	3.4E-07	8.7E-06	1.0E-06	1.1E-06	5.7E-07	7.6E-06	5.9E-07	1.8E-06	1.2E-06
TESTES	1.2E-08	4.0E-06	2.3E-08	1.6E-07	1.4E-07	1.3E-06	3.6E-08	2.5E-08	3.0E-09	8.7E-07
THYROID	5.3E-08	6.5E-10	3.6E-08	5.3E-09	5.9E-09	1.8E-09	1.9E-08	5.7E-08	5.6E-07	1.1E-06
UTERUS (NONGRVD)	2.9E-07	1.4E-05	4.1E-07	8.4E-06	4.4E-06	5.7E-06	5.0E-07	2.3E-07	4.5E-08	2.0E-06
TOTAL BODY	2.8E-06	1.8E-06	2.0E-06	2.8E-06	2.3E-06	2.5E-06	2.7E-06	2.8E-06	2.7E-06	2.4E-06

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201T1

(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 THALLIUM-201 HALF-LIFE 73.5 HOURS

SOURCE ORGANS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY	
	OVARIES	PANCREAS	SKELETON	SKIN	SPLEEN	TESTES	THYROID					
			R MARROW	CORT	BONE	TRA	BONE					
ADRENALS	1.8E-07	7.4E-06	1.4E-06	8.8E-07	8.8E-07	8.8E-07	4.2E-07	5.2E-06	1.2E-08	5.3E-08	2.5E-06	
BLADDER WALL	6.0E-06	6.8E-08	6.9E-07	3.3E-07	3.3E-07	3.3E-07	3.4E-07	5.8E-08	3.9E-06	6.6E-10	2.8E-06	
BONE (TOTAL)	1.5E-06	1.4E-06	5.2E-06	2.3E-05	2.1E-05	2.1E-05	1.1E-06	1.1E-06	7.3E-07	9.2E-07	3.4E-06	
GI (STOM WALL)	5.1E-07	1.6E-05	6.2E-07	3.5E-07	3.5E-07	3.5E-07	4.2E-07	8.7E-06	1.6E-08	3.4E-08	2.7E-06	
GI (SI)	1.1E-05	1.2E-06	1.9E-06	5.3E-07	5.3E-07	5.3E-07	3.1E-07	9.7E-07	2.0E-07	3.2E-09	2.9E-06	
GI (ULI WALL)	9.5E-06	1.5E-06	1.5E-06	4.7E-07	4.7E-07	4.7E-07	3.4E-07	1.1E-06	1.7E-07	4.8E-09	2.9E-06	
GI (LLI WALL)	1.3E-05	3.6E-07	2.2E-06	7.4E-07	7.4E-07	7.4E-07	3.2E-07	4.0E-07	2.1E-06	1.5E-09	2.9E-06	
KIDNEYS	5.7E-07	5.3E-06	1.6E-06	5.8E-07	5.8E-07	5.8E-07	4.5E-07	7.9E-06	1.7E-08	1.5E-08	2.7E-06	
LIVER	3.1E-07	3.5E-06	6.1E-07	4.5E-07	4.5E-07	4.5E-07	3.9E-07	6.2E-07	1.3E-08	5.0E-08	2.7E-06	
LUNGS	2.9E-08	2.0E-06	8.4E-07	7.2E-07	7.2E-07	7.2E-07	4.6E-07	1.9E-06	2.1E-09	6.8E-07	2.6E-06	
MARROW (RED)	5.9E-06	2.6E-06	6.7E-05	5.6E-06	5.6E-06	5.6E-06	9.9E-07	1.5E-06	5.5E-07	9.7E-07	3.9E-06	
OTH TISS (MUSC)	1.6E-06	1.5E-06	8.5E-07	6.9E-07	6.9E-07	6.9E-07	5.9E-07	1.2E-06	8.7E-07	1.1E-06	2.4E-06	
OVARIES	9.3E-03	2.7E-07	2.7E-06	5.3E-07	5.3E-07	5.3E-07	2.8E-07	2.3E-07	0.0	1.6E-09	2.8E-06	
PANCREAS	2.7E-07	1.2E-03	1.2E-06	5.7E-07	5.7E-07	5.7E-07	2.7E-07	1.7E-05	2.1E-08	3.1E-08	3.0E-06	
SKIN	2.6E-07	2.7E-07	3.9E-07	4.5E-07	4.5E-07	4.5E-07	3.6E-05	3.4E-07	1.1E-06	5.7E-07	1.9E-06	
SPLEEN	2.7E-07	1.8E-05	6.3E-07	4.5E-07	4.5E-07	4.5E-07	4.1E-07	6.4E-04	8.2E-09	4.9E-08	2.7E-06	
TESTES	0.0	2.2E-08	2.7E-07	4.0E-07	4.0E-07	4.0E-07	7.3E-07	1.9E-08	3.0E-03	1.5E-10	2.3E-06	
THYROID	1.6E-09	4.9E-08	4.3E-07	5.3E-07	5.3E-07	5.3E-07	5.4E-07	3.5E-08	1.5E-10	5.1E-03	2.4E-06	
UTERUS (NONGRVD)	1.8E-05	2.8E-07	1.5E-06	3.5E-07	3.5E-07	3.5E-07	3.1E-07	2.2E-07	0.0	1.5E-09	3.0E-06	
TOTAL BODY	3.1E-06	3.1E-06	2.8E-06	2.7E-06	2.7E-06	2.7E-06	2.0E-06	2.8E-06	2.4E-06	2.4E-06	2.6E-06	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 THALLIUM-208 HALF-LIFE 5.12E-02 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT					LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS	LLI CONTENTS	LLI CONTENTS			
ADRENALS	1.0E-01	5.8E-06	5.1E-05	2.9E-05	2.4E-05	1.1E-05	2.3E-04	1.2E-04	3.6E-05	3.2E-05
BLADDER WALL	6.2E-06	4.7E-03	9.0E-06	5.8E-05	4.6E-05	1.1E-04	9.9E-06	6.9E-06	2.3E-06	3.7E-05
BONE (TOTAL)	2.8E-05	1.3E-05	1.3E-05	1.7E-05	1.5E-05	2.2E-05	2.0E-05	1.6E-05	2.1E-05	2.4E-05
GI (STOM WALL)	5.4E-05	1.2E-05	3.6E-03	7.1E-05	7.3E-05	3.9E-05	7.1E-05	4.3E-05	4.1E-05	3.0E-05
GI (SI)	2.2E-05	5.9E-05	5.5E-05	2.2E-03	3.1E-04	1.8E-04	5.8E-05	3.4E-05	8.0E-06	3.2E-05
GI (ULI WALL)	2.4E-05	4.4E-05	6.4E-05	4.6E-04	3.8E-03	8.2E-05	5.5E-05	5.0E-05	1.0E-05	3.4E-05
GI (LLI WALL)	9.2E-06	1.4E-04	2.7E-05	1.4E-04	5.9E-05	5.8E-03	2.1E-05	7.8E-06	1.8E-06	3.5E-05
KIDNEYS	2.3E-04	9.3E-06	6.6E-05	6.2E-05	5.4E-05	2.3E-05	5.6E-03	7.7E-05	2.0E-05	3.0E-05
LIVER	9.8E-05	8.0E-06	4.4E-05	3.9E-05	5.3E-05	8.8E-06	8.0E-05	1.2E-03	4.8E-05	2.4E-05
LUNGS	4.9E-05	2.4E-06	3.7E-05	8.3E-06	8.9E-06	4.6E-06	2.1E-05	5.0E-05	1.6E-03	2.8E-05
MARROW (RED)	5.0E-05	2.5E-05	2.1E-05	5.0E-05	4.3E-05	6.2E-05	5.0E-05	2.3E-05	2.7E-05	2.8E-05
OTH TISS (MUSC)	3.2E-05	3.7E-05	3.0E-05	3.2E-05	3.1E-05	3.5E-05	3.0E-05	2.4E-05	2.8E-05	7.8E-05
OVARIES	1.2E-05	1.2E-04	1.9E-05	1.8E-04	2.3E-04	3.3E-04	2.1E-05	1.4E-05	4.1E-06	4.1E-05
PANCREAS	1.7E-04	8.3E-06	3.2E-04	4.3E-05	5.1E-05	1.6E-05	1.2E-04	8.0E-05	4.8E-05	3.7E-05
SKIN	1.5E-05	1.5E-05	1.4E-05	1.2E-05	1.3E-05	1.4E-05	1.5E-05	1.5E-05	1.5E-05	2.0E-05
SPLEEN	1.2E-04	6.5E-06	1.8E-04	3.4E-05	2.8E-05	2.2E-05	1.6E-04	2.2E-05	4.6E-05	3.1E-05
TESTES	2.3E-06	1.0E-04	3.6E-06	1.2E-05	1.2E-05	4.1E-05	4.1E-06	3.5E-06	1.1E-06	3.0E-05
THYROID	5.2E-06	5.7E-07	4.2E-06	1.5E-06	1.6E-06	8.5E-07	2.9E-06	4.8E-06	2.3E-05	2.9E-05
UTERUS (NONGRVD)	7.8E-06	3.0E-04	2.2E-05	1.7E-04	1.0E-04	1.1E-04	1.9E-05	1.2E-05	4.3E-06	4.9E-05
TOTAL BODY	5.3E-05	4.1E-05	4.2E-05	5.5E-05	4.8E-05	5.0E-05	5.4E-05	5.4E-05	4.8E-05	4.9E-05

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208TI

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
 THALLIUM-208 HALF-LIFE 5.12E-02 HOURS (CONTINUED)

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY		
			R MARROW	CORT BONE	TRA	BONE					
ADRENALS	1.2E-05	1.4E-04	4.2E-05	3.1E-05	3.1E-05	2.0E-05	1.3E-04	2.3E-06	5.2E-06	5.8E-05	
BLADDER WALL	1.3E-04	8.9E-06	1.8E-05	1.4E-05	1.4E-05	1.5E-05	6.4E-06	9.8E-05	5.7E-07	5.7E-05	
BONE (TOTAL)	1.9E-05	1.9E-05	1.2E-04	3.3E-04	2.2E-04	1.8E-05	1.6E-05	1.4E-05	1.6E-05	4.9E-05	
GI (STOM WALL)	2.2E-05	3.4E-04	2.1E-05	1.2E-05	1.2E-05	1.4E-05	1.9E-04	3.2E-06	3.0E-06	5.3E-05	
GI (SI)	2.3E-04	3.8E-05	5.4E-05	1.7E-05	1.7E-05	1.3E-05	3.0E-05	1.3E-05	1.2E-06	5.9E-05	
GI (ULI WALL)	2.1E-04	4.4E-05	4.4E-05	1.6E-05	1.6E-05	1.3E-05	3.1E-05	1.3E-05	1.5E-06	5.6E-05	
GI (LLI WALL)	2.8E-04	1.2E-05	6.6E-05	2.0E-05	2.0E-05	1.4E-05	1.5E-05	5.6E-05	7.5E-07	6.4E-05	
KIDNEYS	2.5E-05	1.2E-04	5.3E-05	1.9E-05	1.9E-05	1.7E-05	1.7E-04	3.4E-06	2.6E-06	5.3E-05	
LIVER	1.5E-05	8.1E-05	2.2E-05	1.7E-05	1.7E-05	1.5E-05	2.3E-05	2.6E-06	5.6E-06	5.4E-05	
LUNGS	4.1E-06	4.7E-05	2.5E-05	2.1E-05	2.1E-05	1.6E-05	4.6E-05	8.5E-07	2.4E-05	4.8E-05	
MARROW (RED)	5.9E-05	3.5E-05	7.3E-04	7.6E-05	7.6E-05	1.7E-05	2.4E-05	1.2E-05	1.8E-05	5.2E-05	
OTH TISS (MUSC)	4.1E-05	3.7E-05	2.8E-05	2.4E-05	2.4E-05	2.0E-05	3.1E-05	3.0E-05	2.9E-05	4.9E-05	
OVARIES	1.3E-01	1.5E-05	6.5E-05	2.0E-05	2.0E-05	1.2E-05	6.8E-06	0.0	8.8E-07	6.2E-05	
PANCREAS	1.2E-05	1.7E-02	3.0E-05	2.1E-05	2.1E-05	1.3E-05	3.6E-04	3.5E-06	4.2E-06	6.7E-05	
SKIN	1.2E-05	1.2E-05	1.7E-05	1.9E-05	1.9E-05	5.4E-04	1.3E-05	3.3E-05	2.0E-05	3.9E-05	
SPLEEN	1.7E-05	3.7E-04	2.3E-05	1.5E-05	1.5E-05	1.4E-05	9.7E-03	3.2E-06	3.7E-06	5.1E-05	
TESTES	0.0	3.0E-06	1.1E-05	2.2E-05	2.2E-05	2.2E-05	2.9E-06	4.4E-02	2.9E-07	5.4E-05	
THYROID	8.8E-07	4.7E-06	1.9E-05	9.5E-06	9.5E-06	1.9E-05	4.1E-06	2.9E-07	7.4E-02	5.1E-05	
UTERUS (NONGRVD)	3.5E-04	1.4E-05	3.0E-05	1.3E-05	1.3E-05	1.4E-05	1.3E-05	0.0	8.5E-07	6.2E-05	
TOTAL BODY	5.9E-05	5.9E-05	5.2E-05	4.9E-05	4.9E-05	3.8E-05	5.3E-05	4.9E-05	4.6E-05	4.9E-05	

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
LEAD-212 HALF-LIFE 10.6 HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)	
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS					ILLI CONTENTS
ADRENALS	2.7E-02	1.9E-07	2.7E-06	1.5E-06	1.0E-06	4.6E-07	1.2E-05	5.4E-06	2.8E-06	1.6E-06
BLADDER WALL	1.3E-07	1.0E-03	2.7E-07	2.9E-06	2.3E-06	7.3E-06	3.2E-07	1.9E-07	5.2E-08	2.0E-06
BONE (TOTAL)	2.0E-06	8.8E-07	8.9E-07	1.2E-06	1.1E-06	1.6E-06	1.4E-06	1.1E-06	1.5E-06	1.1E-06
GI (STOM WALL)	3.2E-06	3.0E-07	8.1E-04	4.1E-06	4.2E-06	2.0E-06	3.8E-06	2.1E-06	2.1E-06	1.5E-06
GI (SI)	9.1E-07	3.2E-06	2.9E-06	5.1E-04	1.9E-05	1.1E-05	3.2E-06	1.8E-06	2.2E-07	1.7E-06
GI (ULI WALL)	1.0E-06	2.5E-06	4.0E-06	2.8E-05	9.0E-04	4.8E-06	3.2E-06	2.8E-06	2.7E-07	1.8E-06
GI (ILLI WALL)	2.5E-07	8.1E-06	1.4E-06	8.2E-06	3.4E-06	1.5E-03	8.7E-07	2.6E-07	1.0E-07	1.9E-06
KIDNEYS	1.3E-05	3.0E-07	3.9E-06	3.4E-06	3.1E-06	9.9E-07	1.3E-03	4.3E-06	9.7E-07	1.6E-06
LIVER	5.6E-06	2.2E-07	2.2E-06	2.0E-06	2.9E-06	3.0E-07	4.3E-06	2.4E-04	2.8E-06	1.2E-06
LUNGS	2.8E-06	2.9E-08	1.9E-06	2.7E-07	3.0E-07	9.0E-08	9.3E-07	2.8E-06	4.0E-04	1.5E-06
MARROW (RED)	3.7E-06	2.1E-06	1.6E-06	4.1E-06	3.6E-06	5.2E-06	3.8E-06	1.6E-06	1.9E-06	2.0E-06
OTH TISS (MUSC)	1.6E-06	2.0E-06	1.6E-06	1.7E-06	1.6E-06	1.9E-06	1.6E-06	1.2E-06	1.5E-06	1.5E-05
OVARIES	6.1E-07	8.3E-06	5.1E-07	1.2E-05	1.3E-05	2.2E-05	1.3E-06	4.9E-07	1.3E-07	2.2E-06
PANCREAS	9.8E-06	2.9E-07	2.1E-05	2.2E-06	2.5E-06	7.6E-07	7.2E-06	4.6E-06	2.9E-06	2.0E-06
SKIN	6.3E-07	6.3E-07	5.2E-07	4.9E-07	5.0E-07	5.7E-07	6.3E-07	5.7E-07	6.4E-07	8.7E-07
SPLEEN	7.4E-06	2.8E-07	1.1E-05	1.7E-06	1.5E-06	8.8E-07	9.9E-06	1.0E-06	2.5E-06	1.6E-06
TESTES	4.7E-08	5.3E-06	6.0E-08	3.6E-07	3.5E-07	2.2E-06	1.2E-07	8.5E-08	1.3E-08	1.3E-06
THYROID	1.6E-07	4.1E-09	1.2E-07	2.4E-08	2.6E-08	9.3E-09	6.7E-08	2.1E-07	9.5E-07	1.5E-06
UTERUS (NONGRVD)	1.9E-06	1.8E-05	8.6E-07	1.1E-05	5.5E-06	7.8E-06	1.1E-06	4.2E-07	9.9E-08	2.6E-06
TOTAL BODY	7.3E-06	2.8E-06	3.6E-06	6.6E-06	4.8E-06	5.4E-06	7.3E-06	7.3E-06	7.1E-06	6.9E-06

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(CONTINUED)

S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
LEAD-212 HALF-LIFE 10.6 HOURS

SOURCE ORGANS

TARGET ORGANS	OVARIES	PANCREAS	SKELETON			SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY
			R	MARROW	CORT BONE	TRA	BONE			
ADRENALS	4.1E-07	9.6E-06	2.7E-06	1.4E-06	1.4E-06	8.4E-07	7.2E-06	4.7E-08	1.6E-07	7.4E-06
BLADDER WALL	7.9E-06	1.6E-07	8.9E-07	5.4E-07	5.4E-07	5.8E-07	1.6E-07	5.4E-06	4.1E-09	7.4E-06
BONE (TOTAL)	1.5E-06	1.4E-06	1.6E-05	8.0E-05	6.2E-05	1.1E-06	1.1E-06	9.0E-07	1.0E-06	7.5E-06
GI (STOM WALL)	8.6E-07	2.1E-05	1.1E-06	6.2E-07	6.2E-07	6.2E-07	1.1E-05	5.4E-08	5.8E-08	7.5E-06
GI (SI)	1.4E-05	2.0E-06	2.9E-06	8.4E-07	8.4E-07	5.3E-07	1.5E-06	4.4E-07	1.4E-08	7.6E-06
GI (ULI WALL)	1.3E-05	2.4E-06	2.3E-06	7.9E-07	7.9E-07	5.3E-07	1.4E-06	3.7E-07	1.1E-08	7.5E-06
GI (LLI WALL)	1.7E-05	6.1E-07	3.2E-06	1.1E-06	1.1E-06	5.5E-07	6.9E-07	3.1E-06	7.6E-09	7.4E-06
KIDNEYS	1.0E-06	7.2E-06	2.5E-06	9.8E-07	9.8E-07	7.1E-07	1.0E-05	6.0E-08	4.0E-08	7.3E-06
LIVER	6.1E-07	4.9E-06	1.1E-06	7.3E-07	7.3E-07	6.3E-07	1.1E-06	4.1E-08	1.2E-07	7.3E-06
LUNGS	7.6E-08	2.8E-06	1.3E-06	1.1E-06	1.1E-06	7.0E-07	2.5E-06	1.1E-08	1.1E-06	7.0E-06
MARROW (RED)	5.3E-06	2.7E-06	2.2E-04	5.3E-06	6.5E-05	1.0E-06	1.7E-06	7.2E-07	1.1E-06	7.8E-06
OTH TISS (MUSC)	2.2E-06	2.0E-06	1.4E-06	1.1E-06	1.1E-06	8.7E-07	1.6E-06	1.3E-06	1.5E-06	6.9E-06
OVARIES	3.5E-02	3.8E-07	3.0E-06	8.2E-07	8.2E-07	4.9E-07	6.2E-07	0.0	8.8E-09	7.5E-06
PANCREAS	5.2E-07	4.0E-03	1.8E-06	1.1E-06	1.1E-06	5.8E-07	2.2E-05	6.8E-08	9.9E-08	7.7E-06
SKIN	4.9E-07	4.7E-07	7.2E-07	8.0E-07	8.0E-07	1.5E-04	5.6E-07	1.6E-06	8.8E-07	6.3E-06
SPLEEN	5.8E-07	2.2E-05	9.9E-07	7.3E-07	7.3E-07	6.4E-07	2.2E-03	3.4E-08	1.2E-07	7.4E-06
TESTES	0.0	7.1E-08	3.8E-07	6.7E-07	6.7E-07	1.1E-06	6.8E-08	1.1E-02	1.2E-09	6.8E-06
THYROID	8.8E-09	1.5E-07	7.9E-07	9.9E-07	9.9E-07	8.4E-07	1.1E-07	1.2E-09	1.9E-02	6.8E-06
UTERUS (NONGRVD)	2.4E-05	6.4E-07	2.4E-06	6.5E-07	6.5E-07	4.6E-07	4.2E-07	0.0	8.3E-09	7.7E-06
TOTAL BODY	7.7E-06	7.7E-06	7.2E-06	7.1E-06	7.1E-06	6.3E-06	7.3E-06	6.9E-06	6.8E-06	7.0E-06

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H)
BISMUTH-206 HALF-LIFE 150. HOURS

SOURCE ORGANS

TARGET ORGANS	ADRENALS	BLADDER CONTENTS	INTESTINAL TRACT			KIDNEYS	LIVER	LUNGS	OTHER TISSUE (MUSCLE)
			STOMACH CONTENTS	SI CONTENTS	ULI CONTENTS				
ADRENALS	3.1E-02	5.6E-06	5.5E-05	2.8E-05	2.6E-05	1.1E-05	1.1E-04	5.1E-05	3.5E-05
BLADDER WALL	4.7E-06	2.3E-03	1.0E-05	6.4E-05	4.6E-05	1.3E-04	5.8E-06	2.0E-06	4.0E-05
BONE (TOTAL)	3.2E-05	1.3E-05	1.4E-05	1.9E-05	1.7E-05	2.4E-05	1.7E-05	2.3E-05	2.5E-05
GI (STOM WALL)	6.5E-05	1.0E-05	1.7E-03	7.9E-05	8.1E-05	3.8E-05	4.5E-05	4.4E-05	3.2E-05
GI (SI)	2.2E-05	6.2E-05	5.8E-05	1.0E-03	3.6E-04	2.0E-04	3.6E-05	7.1E-06	3.5E-05
GI (ULI WALL)	2.5E-05	4.8E-05	7.3E-05	5.2E-04	1.6E-03	9.3E-05	5.5E-05	9.3E-06	3.7E-05
GI (LLI WALL)	7.4E-06	1.6E-04	3.1E-05	1.6E-04	7.1E-05	2.2E-03	7.0E-06	1.9E-06	3.9E-05
KIDNEYS	2.5E-04	8.9E-06	7.4E-05	7.1E-05	6.3E-05	2.1E-05	2.6E-03	2.3E-05	3.3E-05
LIVER	1.1E-04	6.9E-06	4.6E-05	4.2E-05	5.7E-05	8.8E-06	7.4E-04	5.4E-05	2.6E-05
LUNGS	5.4E-05	1.7E-06	4.1E-05	7.8E-06	8.9E-06	3.4E-06	5.6E-05	6.2E-04	3.0E-05
MARROW (RED)	5.7E-05	2.8E-05	2.4E-05	5.8E-05	4.9E-05	7.3E-05	2.5E-05	3.0E-05	3.2E-05
OTH TISS (MUSC)	3.5E-05	4.0E-05	3.2E-05	3.5E-05	3.4E-05	3.9E-05	2.6E-05	3.0E-05	4.5E-05
OVARIES	1.1E-05	1.3E-04	2.3E-05	2.1E-04	2.2E-04	3.8E-04	1.4E-05	3.8E-06	4.5E-05
PANCREAS	1.9E-04	6.7E-06	3.8E-04	4.5E-05	4.6E-05	1.7E-05	9.8E-05	5.6E-05	4.1E-05
SKIN	1.6E-05	1.6E-05	1.4E-05	1.3E-05	1.3E-05	1.4E-05	1.4E-05	1.6E-05	2.1E-05
SPLEEN	1.4E-04	5.9E-06	2.1E-04	3.6E-05	3.1E-05	2.3E-05	2.4E-05	4.8E-05	3.4E-05
TESTES	1.9E-06	1.1E-04	2.8E-06	1.1E-05	1.2E-05	4.0E-05	4.1E-06	7.7E-07	2.9E-05
THYROID	5.0E-06	3.6E-07	3.8E-06	1.2E-06	1.3E-06	5.9E-07	4.6E-06	2.8E-05	3.1E-05
UTERUS (NONGRVD)	1.1E-05	3.3E-04	2.1E-05	1.9E-04	1.1E-04	1.3E-04	1.1E-05	3.2E-06	5.2E-05
TOTAL BODY	4.3E-05	4.3E-05	4.2E-05	4.8E-05	4.6E-05	4.6E-05	4.3E-05	3.7E-05	3.7E-05

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S, ABSORBED DOSE PER UNIT CUMULATED ACTIVITY, (RAD/UCI-H) (CONTINUED)
 BISMUTH-206 HALF-LIFE 150. HOURS

TARGET ORGANS	SOURCE ORGANS										TOTAL BODY
	OVARIES	PANCREAS	SKELETON		SKIN	SPLEEN	TESTES	THYROID	TOTAL BODY		
			R MARROW	CORT BONE						TRA	
ADRENALS	1.3E-05	1.7E-04	5.3E-05	4.0E-05	4.0E-05	1.8E-05	1.5E-04	1.9E-06	4.9E-06	5.3E-05	
BLADDER WALL	1.5E-04	4.7E-06	2.2E-05	1.3E-05	1.3E-05	1.7E-05	6.1E-06	1.2E-04	3.6E-07	4.8E-05	
BONE (TOTAL)	2.2E-05	2.1E-05	6.6E-05	1.4E-04	1.2E-04	2.0E-05	1.8E-05	1.5E-05	1.8E-05	3.9E-05	
GI (STOM WALL)	1.9E-05	3.8E-04	2.5E-05	1.3E-05	1.3E-05	1.5E-05	2.2E-04	2.4E-06	3.2E-06	4.2E-05	
GI (SI)	2.6E-04	4.1E-05	5.9E-05	1.9E-05	1.9E-05	1.3E-05	3.2E-05	1.2E-05	7.5E-07	4.9E-05	
GI (ULI WALL)	2.4E-04	4.9E-05	4.5E-05	1.7E-05	1.7E-05	1.4E-05	3.3E-05	9.3E-06	9.5E-07	4.7E-05	
GI (ILLI WALL)	3.1E-04	1.3E-05	6.9E-05	2.3E-05	2.3E-05	1.5E-05	1.5E-05	5.8E-05	5.1E-07	5.0E-05	
KIDNEYS	2.5E-05	1.4E-04	5.5E-05	2.4E-05	2.4E-05	1.8E-05	1.9E-04	3.0E-06	2.4E-06	4.4E-05	
LIVER	1.5E-05	9.2E-05	2.3E-05	1.7E-05	1.7E-05	1.6E-05	2.5E-05	2.1E-06	4.4E-06	4.4E-05	
LUNGS	3.3E-06	5.3E-05	2.8E-05	2.3E-05	2.3E-05	1.6E-05	4.9E-05	6.3E-07	2.5E-05	3.7E-05	
MARROW (RED)	7.1E-05	4.0E-05	3.2E-04	7.5E-05	1.3E-04	1.9E-05	2.6E-05	1.2E-05	1.9E-05	4.2E-05	
OTH TISS (MUSC)	4.5E-05	4.1E-05	3.0E-05	2.5E-05	2.5E-05	2.1E-05	3.4E-05	2.9E-05	3.1E-05	3.7E-05	
OVARIES	4.4E-02	1.7E-05	7.2E-05	2.2E-05	2.2E-05	1.2E-05	1.6E-05	0.0	6.1E-07	4.2E-05	
PANCREAS	1.6E-05	7.7E-03	3.2E-05	2.3E-05	2.3E-05	1.3E-05	4.2E-04	2.2E-06	3.0E-06	4.5E-05	
SKIN	1.2E-05	1.2E-05	1.7E-05	2.0E-05	2.0E-05	1.6E-04	1.5E-05	3.6E-05	2.1E-05	2.6E-05	
SPLEEN	1.5E-05	4.2E-04	2.2E-05	1.9E-05	1.9E-05	1.6E-05	4.5E-03	2.2E-06	4.0E-06	4.3E-05	
TESTES	0.0	2.5E-06	9.4E-06	1.6E-05	1.6E-05	2.1E-05	2.5E-06	1.6E-02	1.6E-07	4.4E-05	
THYROID	6.1E-07	3.0E-06	2.0E-05	1.8E-05	1.8E-05	1.8E-05	3.7E-06	1.6E-07	2.5E-02	3.8E-05	
UTERUS (NONGRVD)	3.9E-04	1.4E-05	3.9E-05	1.7E-05	1.7E-05	1.5E-05	1.2E-05	0.0	5.8E-07	5.1E-05	
TOTAL BODY	4.9E-05	4.8E-05	4.1E-05	3.7E-05	3.7E-05	2.6E-05	4.3E-05	3.7E-05	3.4E-05	3.7E-05	

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