

Health and Safety Research Division

SPECIFIC ABSORBED FRACTIONS OF ENERGY AT VARIOUS AGES
FROM INTERNAL PHOTON SOURCES.

V. FIFTEEN-YEAR-OLD MALE AND ADULT FEMALE.

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EDITORIAL NOTE

This PDF was constructed from the original issuance of ORNL/TM-8381 Vols. 2-7. However, the numerical data tabulated here are given to an additional digit as an aid in interpolation. The data tables shown here are the values in current use (January 2002) at ORNL. Because of the change in the tables the pagination of the PDF no longer corresponds to the original report.

ABSTRACT

This report is the fifth volume of a series in which specific absorbed fractions (Φ 's) in various organs of the body ("target organs") from sources of monoenergetic photons in various other organs ("source organs") are tabulated. The first volume (ORNL/TM-8381:Vol. 1) outlines various methods used to compute the Φ -values and describes how the "best" estimates recommended by us are chosen. In this volume Φ -values are tabulated for a fifteen-year-old male or adult female (55-58 kg). In companion volumes Φ -values are tabulated for the newborn, for ages 1, 5, and 10 years, and for an adult male. These Φ -values can be used in calculating the photon component of the dose-equivalent rate in a given target organ from a given radionuclide that is present in a given source organ. The methods used to calculate Φ are similar to those used by Snyder et al. (1974) for an adult. However, an important difference involves the dosimetry for radiosensitive tissues in the skeleton. The International Commission on Radiological Protection recognizes, in the radiation protection system of its Publication 26 (1977), that the endosteal, or "bone surface," cells are the tissue at risk for bone cancer. We have applied the dosimetry methods that Spiers and co-workers developed for beta-emitting radionuclides deposited in bone to follow the transport of secondary electrons (freed by photon interactions) through the microscopic structure of the skeleton. With these methods we can estimate Φ in the endosteal cells and can better estimate Φ in the active marrow; the latter is overestimated with the methods of Snyder et al. at photon energies below 200 keV.

INTRODUCTION

This report gives tables of specific absorbed fractions (Φ 's) in various organs of the body ("target organs") from sources of monoenergetic photons in various other organs ("source organs") for a fifteen-year-old male or adult female (55-58 kg). These Φ -values can be used in calculating the photon component of the dose-equivalent rate in a given target organ from a given radionuclide that is present in a given source organ. A companion report (Cristy and Eckerman 1987a) describes the procedures used in choosing the "best" estimate of Φ from the estimates generated by several methods for a given source-target pair—that report should be consulted for that and other background information. The Φ -values calculated by these methods and the "best" estimates recommended by us are published in this report for the fifteen-year-old male and adult female and in other companion reports (Cristy and Eckerman 1987b-g) for the newborn, for ages 1, 5, and 10 years, and for an adult male. Note that from here forward the text is the same as that given in the reports for the other ages; it is reprinted in each volume for convenience.

The tables of specific absorbed fractions are available on diskettes for personal computers, by request.

The methods used to calculate Φ are similar to those used by Snyder, Ford, Warner, and Watson (1974) for an adult. Simple equations describing the geometry of the body and its organs ("mathematical phantoms") are used (1) with a computer program that simulates radiation transport with Monte Carlo methods or (2) with a computer program that integrates the point-source kernel equation (including buildup) over the volumes of the source and target organs. The source of the photons is assumed to be distributed uniformly in a given source organ. One important difference between our methods and that of Snyder et al. is that a better method to calculate the specific absorbed fraction in the active marrow and the endosteal cells of the skeleton has been employed; if the initial photon energy is less than 200 keV, the earlier method substantially overestimates Φ when active marrow is the target organ. Also, we have made more use of the converse Monte Carlo estimate, $\Phi(\text{source organ} \leftarrow \text{target organ})$, as an approximation to the direct Monte Carlo estimate, $\Phi(\text{target organ} \leftarrow \text{source organ})$, sometimes in conjunction with a correction factor; and we have made more extensive use of empirical correction factors for the estimates generated by the point-source kernel method. These methods are discussed in chapters II and III of Cristy and Eckerman (1987a).

The mathematical phantoms used in our work are designed like the adult phantom of Snyder et al. (1974) and have different densities and chemical compositions for lung, skeletal, and soft tissues. (We use the term "soft tissues" to mean near-unit-density tissues, i.e., density $\sim 1 \text{ g/cm}^3$.) These phantoms have been described by Cristy (1980), but several changes have been made in our phantoms since the 1980 report: (1) the age 15 phantom of Cristy (1980) has been redesigned so that it now represents both a 15-year-old male and an adult female; (2) the adult phantom of Cristy (1980) has been modified slightly and is now labeled "adult male," although it is hermaphroditic and could also represent a larger than average adult female; (3) the densities and chemical compositions of the tissues have been changed in all of the phantoms; and (4) the densities and compositions of the skeletal and soft tissues of the newborn phantom are now different from those at other ages. The equations describing the phantoms, as amended, and the newer data on densities and compositions are given in Appendix A of Cristy and Eckerman (1987a).

Because of the change in tissue densities in the phantoms, the organ and whole-body masses have also changed slightly. As explained in Appendix B of Cristy and Eckerman (1987a), the

design of the phantom series was viewed as a geometry problem where volume, not mass, values were of prime interest; and furthermore, if the design approach had been to obtain correct (numerical value) masses at the expense of correct (numerical) volumes, the errors in the specific absorbed fraction would have been larger than with this approach. The magnitude of the changes in mass is also trivial. For the purpose of estimating specific absorbed fractions from photons, we view the adult male phantom simply as a model for the 70-kg Reference Man, the fifteen-year-old-male/adult-female phantom as a model for either the 58-kg Reference Woman or a 55-kg fifteen-year-old male, the age 10 phantom as a model for a 32-to-33-kg male or female child, and so on, even though the masses of organs in the phantoms and the masses of the phantoms themselves may be slightly different from values in ICRP Publication 23 (1975). A comparison of whole-body masses between the phantoms and humans is given in Table 1; in the tables of specific absorbed fractions for each age we give the nominal value of mass rather than the actual mass of the phantom in the identifying heading. We recommend use of the organ masses from ICRP Publication 23 (1975), especially for the 70-kg adult male, for all other purposes, e.g., for computing Φ -values from non-penetrating radiations. If masses of organs in children are not available, the masses in the phantoms could be used with little error. The masses of the organs of the phantoms are given in Appendix B of Cristy and Eckerman (1987a); the centroids of the organs are given in Appendix C of that report.

Table 1. Comparison of whole-body masses

Phantom	Whole-body mass of phantom (kg)		Age	Whole-body mass of human (kg) ^e	
	Actual	Nominal		Female	Male
Newborn	3.6	3.4	Newborn	3.4	3.4 ^f
Age 1	9.7	9.8	1 year	9.5	10.1
Age 5	19.8	19	5 years	18.6	18.8
Age 10	33.2	32	10 years	31.9	32.7
15-AF ^a	56.8 ^b	55-58 ^d	15 years	51.6	54.5
Adult male	73.7 ^c	70	Adult	56.7 (58) ^g	71.7 (70) ^g

^aAge- 15-male/adult-female phantom.

^b56.4 kg without the female breasts.

^c73.3 kg without the female breasts.

^d55 kg for age 15 male and 58 kg for adult female.

^eData for ages newborn to 15 years are from Watson and Lowrey (1967).

Data for adults are from ICRP Publication 23, p.13.

^f3.5 kg for newborn male is given in ICRP Publication 23.

^gReference whole-body masses were rounded to 58 and 70 kg for adult females and males in ICRP Publication 23.

TABLES OF RECOMMENDED VALUES OF Φ (APPENDIX A) AND TABLES OF RAW DATA AND RECOMMENDED VALUES (APPENDIX B).

The tables of recommended values comprise Appendix A. The Φ -values as calculated by the various methods [direct Monte Carlo estimate, $\Phi(\text{target} \leftarrow \text{source})$; converse Monte Carlo estimate, $\Phi(\text{source} \leftarrow \text{target})$; and point-source kernel estimate, $\Phi(\text{target} \leftarrow \text{source})$] comprise Appendix B; and the recommended values are also reprinted for convenience. Note that the units are kg^{-1} . Because Φ -values smaller than 10^{-10} kg^{-1} are zero for all practical purposes, they are given as 0.0 in Appendix A, but in Appendix B the values are given as calculated by the computer programs. Φ -values

with coefficients of variation (C.V.) greater than 50% were never used in deriving recommended values, but these data are given in Appendix B. Blank entries in the tables of Appendix B indicate that no data are available.

The source and target organs are arranged alphabetically in the appendices. The meanings of abbreviations are given in Table 2. The recommended values for the organ "MUSCLE" in Appendix A are taken from the data for the "remaining tissue" compartment of the phantom; these data are listed under "REMAINING TISSUE" in Appendix B.

Table 2. Abbreviations used in Appendices A and B

Abbreviation	Meaning
BL	Bladder
CONT	Contents
GI	Gastrointestinal
LLI	Lower large intestine
SI	Small intestine
ULI	Upper large intestine
MC(2<-1)	Monte Carlo estimate of Φ (organ 2←organ 1)
MC(1<-2)	Monte Carlo estimate of Φ (organ 1←organ 2)
PK(2<->1)	Point-source kernel estimate of Φ (organ 2↔organ 1)
RECOMD(2<-1)	Recommended value of Φ (organ 2←organ 1)
RECOMD(1<-2)	Recommended value of Φ (organ 1←organ 2)
1.2E-03 (for example)	1.2×10^{-3}

In Appendix B the organs are labeled as "ORGAN 1" and "ORGAN 2" rather than as source and target organs. Which is source and which is target depend upon the context. For example, on the first page of Appendix B under "ORGAN 1 = ADRENALS" and "ORGAN 2 = BRAIN" are listed values for "MC(2<-1)", "MC(1<-2)", "PK(2<->1)", "RECOM'D(2<-1)", and "RECOM'D(1<-2)". The symbols like "<->" should be read as arrows, and the abbreviations have the following meanings, respectively: (1) Monte Carlo estimate of Φ for source = organ 1 and target = organ 2; (2) Monte Carlo estimate of Φ for source = organ 2 and target = organ 1; (3) Point-source kernel estimate of Φ , where either can be designated source or target; (4) Recommended value of Φ for source = organ 1 and target = organ 2; and (5) Recommended value of Φ for source = organ 2 and target = organ 1. Note that if one is interested in the raw data for source = brain and target = adrenals, one must look under "ORGAN 1 = ADRENALS" and "ORGAN 2 = BRAIN" in the tables. There is no listing for "ORGAN 1 = BRAIN" and "ORGAN 2 = ADRENALS"; for each "organ 1" there follow only those "organs 2" which follow "organ 1" alphabetically, to avoid redundancy.

The entries in the tables for active marrow can be confusing if not considered carefully, because Φ -values for active marrow **as a target** are computed by two different methods. As explained in detail in the companion volume on methods (Cristy and Eckerman 1987a), we have used new methods to calculate Φ -values for the active marrow and the endosteal cells of the skeleton as **target organs**; and these values are given as the recommended values in Appendix A, under the heading "TARGET" and labeled "SKELETON: ACTIVE MARROW" and "SKELETON: BONE SURFACES"; these values do not appear in Appendix B. (We use the terms "endosteal cells" and "bone surfaces" synonymously.)

We also compute Φ -values for active marrow as a target in the old way, i.e., with the method used by Snyder et al. (1974). These values are given only in Appendix B and labeled as either

“ORGAN 1 = SKELETON: ACTIVE MARROW” (when the context indicates that organ 1 is the target) or “ORGAN 2 = SKELETON: ACTIVE MARROW” (when the context indicates that organ 2 is the target). These values are given because they are useful as converse Monte Carlo estimates in developing the recommended values when active marrow is the source organ (see Cristy and Eckerman 1987a).

If the active marrow or the skeleton as a whole (“SKELETON: WHOLE SKELETON” in the appendices) is the **source organ**, the method used to compute Φ is like that used by Snyder et al. (1974). No data are given in either appendix for endosteal cells as a source organ.

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APPENDIX A

TABLES OF SPECIFIC ABSORBED FRACTIONS—RECOMMENDED VALUES

Specific Absorbed Fraction of Photon Energy in kg⁻¹: Recommended Values for Age 15 Male or Adult Female

Source = Adrenals

Energy (MeV)

Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	7.48E+01	4.57E+01	2.55E+01	9.13E+00	2.93E+00	1.78E+00	1.93E+00	2.12E+00	2.03E+00	1.87E+00	1.74E+00	1.43E+00
UB_Wall1	0.0	0.0	1.85E-10	5.84E-06	1.91E-04	6.06E-04	7.38E-04	9.32E-04	1.02E-03	1.06E-03	1.07E-03	9.62E-04
Bone_Sur	7.57E-05	3.98E-03	1.72E-02	4.08E-02	4.32E-02	2.06E-02	1.16E-02	8.75E-03	8.03E-03	7.16E-03	6.58E-03	5.93E-03
Brain	0.0	0.0	0.0	4.00E-08	7.68E-06	3.65E-05	7.00E-05	1.35E-04	2.10E-04	2.48E-04	2.80E-04	3.40E-04
Breasts	0.0	0.0	3.02E-07	4.12E-04	2.34E-03	3.10E-03	2.83E-03	3.14E-03	3.30E-03	3.12E-03	2.98E-03	2.89E-03
St_Wall1	0.0	2.36E-06	6.17E-04	7.71E-03	1.97E-02	1.83E-02	1.64E-02	1.37E-02	1.15E-02	1.14E-02	1.14E-02	1.06E-02
SI_Wall1	0.0	6.74E-10	6.65E-06	8.24E-04	3.66E-03	5.51E-03	5.12E-03	4.92E-03	5.00E-03	4.61E-03	4.25E-03	3.60E-03
ULI_Wall1	0.0	4.27E-10	7.82E-06	1.08E-03	4.04E-03	6.42E-03	5.89E-03	5.92E-03	5.74E-03	5.20E-03	4.79E-03	4.12E-03
LLI_Wall1	0.0	0.0	1.31E-07	8.52E-05	4.14E-04	1.15E-03	1.44E-03	1.43E-03	1.40E-03	1.41E-03	1.42E-03	1.44E-03
Kidneys	1.13E-03	2.06E-02	6.08E-02	8.99E-02	6.96E-02	4.91E-02	4.52E-02	4.25E-02	4.01E-02	3.70E-02	3.42E-02	2.70E-02
Liver	6.03E-05	4.06E-03	1.83E-02	3.75E-02	3.66E-02	2.68E-02	2.43E-02	2.32E-02	2.15E-02	1.98E-02	1.85E-02	1.53E-02
ET1-bas	0.0	0.0	0.0	4.23E-06	1.62E-04	4.64E-04	6.77E-04	8.29E-04	9.64E-04	9.92E-04	9.01E-03	9.15E-04
ET2-bas	0.0	0.0	0.0	4.23E-06	1.62E-04	4.64E-04	6.77E-04	8.29E-04	9.64E-04	9.92E-04	9.01E-03	9.15E-04
LN-ET	0.0	0.0	0.0	4.23E-06	1.62E-04	4.64E-04	6.77E-04	8.29E-04	9.64E-04	9.92E-04	9.01E-03	9.15E-04
BBi-bas	2.91E-08	8.24E-04	6.67E-03	2.06E-02	2.20E-02	1.61E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
BBi-sec	2.91E-08	8.24E-04	6.67E-03	2.06E-02	2.20E-02	1.61E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
bbe-sec	2.91E-08	8.24E-04	6.67E-03	2.06E-02	2.20E-02	1.61E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
AI	2.91E-08	8.24E-04	6.67E-03	2.06E-02	2.20E-02	1.61E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
LN-Th	2.91E-08	8.24E-04	6.67E-03	2.06E-02	2.20E-02	1.61E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
Lng_Tiss	2.91E-08	8.24E-04	6.67E-03	2.06E-02	2.20E-02	1.61E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
Lung_NP	0.0	0.0	0.0	4.23E-06	1.62E-04	4.64E-04	6.77E-04	8.29E-04	9.64E-04	9.92E-04	9.01E-03	9.15E-04
Lung_TB	2.91E-08	8.24E-04	6.67E-03	2.06E-02	2.20E-02	1.61E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
Lung_P	2.91E-08	8.24E-04	6.67E-03	2.06E-02	2.20E-02	1.61E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
Muscle	5.40E-03	1.19E-02	1.47E-02	1.30E-02	9.16E-03	6.98E-03	6.71E-03	6.38E-03	5.94E-03	5.56E-03	4.61E-03	
Ovaries	0.0	0.0	2.06E-08	6.76E-05	8.69E-04	1.28E-03	1.85E-03	2.20E-03	2.15E-03	2.06E-03	2.00E-03	1.82E-03
Pancreas	7.75E-09	1.30E-03	2.60E-02	1.10E-01	9.56E-02	6.66E-02	6.06E-02	5.13E-02	4.50E-02	4.28E-02	4.08E-02	3.26E-02
R_Marrow	2.86E-05	1.34E-03	5.41E-03	1.23E-02	1.52E-02	1.40E-02	1.38E-02	1.40E-02	1.28E-02	1.13E-02	1.04E-02	9.31E-03
Skin	4.56E-07	1.96E-05	2.81E-04	1.29E-03	2.02E-03	1.95E-03	2.20E-03	2.37E-03	2.39E-03	2.32E-03	2.23E-03	1.91E-03
Spleen	1.06E-10	2.32E-04	9.74E-03	3.95E-02	4.75E-02	3.29E-02	2.88E-02	2.71E-02	2.56E-02	2.42E-02	2.26E-02	1.73E-02
Testes	0.0	0.0	0.0	1.62E-07	2.27E-05	1.14E-04	2.10E-04	3.31E-04	4.09E-04	4.46E-04	4.75E-04	4.60E-04
Thymus	0.0	0.0	3.36E-07	2.60E-04	2.47E-03	2.66E-03	2.78E-03	2.83E-03	2.78E-03	2.74E-03	2.71E-03	2.62E-03
Thyroid	0.0	0.0	0.0	4.23E-06	1.62E-04	4.64E-04	6.77E-04	8.29E-04	9.64E-04	9.92E-04	9.01E-03	9.15E-04
GB_Wall1	0.0	7.21E-06	1.15E-03	1.29E-02	2.35E-02	2.48E-02	1.98E-02	1.71E-02	1.46E-02	1.30E-02	1.21E-02	1.06E-02
Ht_Wall1	0.0	1.47E-06	4.75E-04	9.12E-03	1.90E-02	1.69E-02	1.43E-02	1.37E-02	1.36E-02	1.19E-02	1.05E-02	7.98E-03
Uterus	0.0	0.0	1.10E-08	5.05E-05	5.85E-04	1.52E-03	1.84E-03	1.83E-03	1.86E-03	1.96E-03	1.99E-03	1.69E-03

Specific Absorbed Fraction of Photon Energy in kg⁻¹: Recommended Values for Age 15 Male or Adult Female

Source = UB_Cont		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	0.0	1.36E-10	5.40E-06	1.88E-04	4.26E-04	7.14E-04	9.82E-04	1.05E-03	1.04E-03	1.02E-03	9.61E-04
UB_Wall1	1.82E+00	2.70E+00	2.62E+00	1.62E+00	6.95E-01	3.96E-01	3.99E-01	4.03E-01	3.72E-01	3.41E-01	3.16E-01	2.51E-01
Bone_Sur	0.0	5.82E-08	5.39E-05	2.82E-03	9.73E-03	7.95E-03	4.55E-03	2.96E-03	2.70E-03	2.40E-03	2.53E-03	2.14E-03
Brain	0.0	0.0	0.0	0.0	1.60E-08	3.25E-07	1.40E-06	5.62E-06	1.45E-05	2.31E-05	3.18E-05	6.38E-05
Breasts	0.0	0.0	0.0	1.10E-07	1.71E-05	7.34E-05	1.65E-04	2.78E-04	3.44E-04	3.78E-04	4.01E-04	4.54E-04
St_Wall1	0.0	0.0	6.44E-08	7.39E-05	1.02E-03	1.18E-03	1.33E-03	1.48E-03	1.55E-03	1.58E-03	1.59E-03	1.62E-03
SI_Wall1	0.0	1.11E-06	3.27E-04	7.19E-03	1.66E-02	1.45E-02	1.31E-02	1.27E-02	1.10E-02	1.01E-02	9.43E-03	7.81E-03
ULI_Wall1	0.0	1.48E-06	2.52E-04	4.70E-03	1.19E-02	1.15E-02	1.03E-02	9.72E-03	8.25E-03	7.75E-03	7.48E-03	6.62E-03
LLI_Wall1	3.83E-08	4.89E-04	8.97E-03	4.75E-02	5.19E-02	3.63E-02	3.43E-02	3.11E-02	2.51E-02	2.45E-02	2.43E-02	2.01E-02
Kidneys	0.0	0.0	1.86E-08	5.07E-05	7.42E-04	1.28E-03	1.66E-03	1.88E-03	1.90E-03	1.87E-03	1.84E-03	1.76E-03
Liver	0.0	0.0	1.24E-08	2.81E-05	3.09E-04	8.66E-04	9.95E-04	1.09E-03	1.25E-03	1.31E-03	1.33E-03	1.29E-03
ET1-bas	0.0	0.0	0.0	2.36E-10	4.19E-07	6.27E-06	1.93E-05	4.86E-05	8.12E-05	1.03E-04	1.21E-04	1.41E-04
ET2-bas	0.0	0.0	0.0	2.36E-10	4.19E-07	6.27E-06	1.93E-05	4.86E-05	8.12E-05	1.03E-04	1.21E-04	1.41E-04
LN-ET	0.0	0.0	0.0	2.36E-10	4.19E-07	6.27E-06	1.93E-05	4.86E-05	8.12E-05	1.03E-04	1.21E-04	1.41E-04
BBi-bas	0.0	0.0	0.0	5.82E-07	3.28E-05	1.05E-04	1.85E-04	3.04E-04	4.23E-04	4.57E-04	4.67E-04	4.84E-04
BBi-sec	0.0	0.0	0.0	5.82E-07	3.28E-05	1.05E-04	1.85E-04	3.04E-04	4.23E-04	4.57E-04	4.67E-04	4.84E-04
bbe-sec	0.0	0.0	0.0	5.82E-07	3.28E-05	1.05E-04	1.85E-04	3.04E-04	4.23E-04	4.57E-04	4.67E-04	4.84E-04
AI	0.0	0.0	0.0	5.82E-07	3.28E-05	1.05E-04	1.85E-04	3.04E-04	4.23E-04	4.57E-04	4.67E-04	4.84E-04
LN-Th	0.0	0.0	0.0	5.82E-07	3.28E-05	1.05E-04	1.85E-04	3.04E-04	4.23E-04	4.57E-04	4.67E-04	4.84E-04
Ing_Tiss	0.0	0.0	0.0	5.82E-07	3.28E-05	1.05E-04	1.85E-04	3.04E-04	4.23E-04	4.57E-04	4.67E-04	4.84E-04
Lung_NP	0.0	0.0	0.0	2.36E-10	4.19E-07	6.27E-06	1.93E-05	4.86E-05	8.12E-05	1.03E-04	1.21E-04	1.41E-04
Lung_TB	0.0	0.0	0.0	5.82E-07	3.28E-05	1.05E-04	1.85E-04	3.04E-04	4.23E-04	4.57E-04	4.67E-04	4.84E-04
Lung_P	0.0	0.0	0.0	5.82E-07	3.28E-05	1.05E-04	1.85E-04	3.04E-04	4.23E-04	4.57E-04	4.67E-04	4.84E-04
Muscle	2.72E-04	2.61E-03	6.78E-03	1.19E-02	8.10E-02	8.11E-03	7.47E-03	7.27E-03	6.84E-03	6.39E-03	6.00E-03	4.96E-03
Ovaries	0.0	3.02E-05	3.56E-03	3.20E-02	4.95E-02	3.66E-02	3.11E-02	2.95E-02	2.52E-02	2.22E-02	2.05E-02	1.81E-02
Pancreas	0.0	0.0	1.96E-09	1.80E-05	5.76E-04	7.84E-04	9.69E-04	1.14E-03	1.23E-03	1.31E-03	1.39E-03	1.39E-03
R_Marrow	0.0	2.31E-07	3.06E-05	1.35E-03	4.60E-03	5.37E-03	5.02E-03	5.28E-03	4.63E-03	4.24E-03	3.99E-03	3.35E-03
Skin	7.54E-07	3.26E-05	4.72E-04	2.12E-03	2.75E-03	2.41E-03	2.42E-03	2.52E-03	2.57E-03	2.61E-03	2.59E-03	2.25E-03
Spleen	0.0	0.0	1.13E-09	1.23E-05	3.62E-04	6.16E-04	8.62E-04	1.19E-03	1.31E-03	1.42E-03	1.45E-03	1.23E-03
Testes	0.0	1.89E-05	2.17E-03	2.71E-02	3.96E-02	2.84E-02	2.48E-02	2.38E-02	2.30E-02	2.21E-02	2.09E-02	1.61E-02
Thymus	0.0	0.0	2.81E-08	7.44E-06	5.04E-05	1.06E-04	1.89E-04	2.52E-04	2.70E-04	2.84E-04	3.19E-04	3.19E-04
Thyroid	0.0	0.0	0.0	2.36E-10	4.19E-07	6.27E-06	1.93E-05	4.86E-05	8.12E-05	1.03E-04	1.21E-04	1.41E-04
GB_Wall1	0.0	0.0	2.24E-07	1.83E-04	1.49E-03	2.65E-03	3.26E-03	2.78E-03	2.76E-03	2.71E-03	2.67E-03	2.27E-03
Ht_Wall1	0.0	0.0	6.40E-07	4.79E-05	1.86E-04	2.36E-04	3.17E-04	3.91E-04	4.39E-04	4.75E-04	5.74E-04	5.74E-04
Uterus	1.29E-05	7.07E-03	5.68E-02	1.44E-01	1.22E-01	7.71E-02	6.78E-02	6.06E-02	5.25E-02	4.98E-02	4.98E-02	3.75E-02

Specific Absorbed Fraction of Photon Energy in kg⁻¹: Recommended Values for Age 15 Male or Adult Female

Source = UB_Wall	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	0.0	1.85E-10	5.84E-06	1.91E-04	6.06E-04	7.38E-04	9.32E-04	1.02E-03	1.06E-03	1.07E-03	9.62E-04
UB_Wall1	1.72E+01	9.11E+00	5.22E+00	2.15E+00	8.10E-01	4.69E-01	4.81E-01	4.24E-01	4.92E-01	4.13E-01	4.48E-01	3.28E-01
Bone_Sur	0.0	5.82E-08	5.39E-05	2.82E-03	9.73E-03	7.95E-03	4.55E-03	2.96E-03	2.70E-03	2.53E-03	2.40E-03	2.14E-03
Brain	0.0	0.0	0.0	0.0	1.65E-08	3.30E-07	1.41E-06	5.65E-06	1.45E-05	2.31E-05	3.22E-05	5.38E-05
Breasts	0.0	0.0	0.0	1.19E-07	1.74E-05	9.24E-05	1.74E-04	2.83E-04	3.56E-04	3.93E-04	4.21E-04	4.13E-04
St_Wall1	0.0	0.0	8.53E-08	8.65E-05	1.18E-03	2.42E-03	2.57E-03	2.41E-03	2.27E-03	2.14E-03	2.06E-03	1.78E-03
SI_Wall1	0.0	2.96E-06	4.84E-04	9.99E-03	1.49E-02	1.55E-02	1.40E-02	1.21E-02	1.06E-02	9.57E-03	8.96E-03	8.23E-03
ULI_Wall1	3.88E-09	2.95E-06	3.27E-04	5.22E-03	1.37E-02	1.41E-02	1.23E-02	1.05E-02	9.31E-03	8.47E-03	7.93E-03	6.58E-03
LLI_Wall1	1.77E-07	1.26E-03	1.49E-02	5.28E-02	5.95E-02	4.28E-02	3.63E-02	3.19E-02	2.83E-02	2.56E-02	2.39E-02	1.96E-02
Kidneys	0.0	0.0	2.62E-08	5.58E-05	7.25E-04	2.02E-03	1.88E-03	1.83E-03	1.87E-03	1.88E-03	1.85E-03	1.60E-03
Liver	0.0	0.0	1.75E-08	3.07E-05	4.35E-04	7.53E-04	1.07E-03	1.34E-03	1.40E-03	1.41E-03	1.42E-03	1.25E-03
ET1-bas	0.0	0.0	0.0	2.56E-10	4.32E-07	6.37E-06	1.95E-05	4.89E-05	8.15E-05	1.03E-04	1.22E-04	1.41E-04
ET2-bas	0.0	0.0	0.0	2.56E-10	4.32E-07	6.37E-06	1.95E-05	4.89E-05	8.15E-05	1.03E-04	1.22E-04	1.41E-04
LN-ET	0.0	0.0	0.0	2.56E-10	4.32E-07	6.37E-06	1.95E-05	4.89E-05	8.15E-05	1.03E-04	1.22E-04	1.41E-04
BBi-bas	0.0	0.0	0.0	6.26E-07	3.33E-05	1.33E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04
BBi-sec	0.0	0.0	0.0	6.26E-07	3.33E-05	1.33E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04
bbe-sec	0.0	0.0	0.0	6.26E-07	3.33E-05	1.33E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04
AI	0.0	0.0	0.0	6.26E-07	3.33E-05	1.33E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04
LN-Th	0.0	0.0	0.0	6.26E-07	3.33E-05	1.33E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04
Ing_Tiss	0.0	0.0	0.0	6.26E-07	3.33E-05	1.33E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04
Lung_NP	0.0	0.0	0.0	2.56E-10	4.32E-07	6.37E-06	1.95E-05	4.89E-05	8.15E-05	1.03E-04	1.22E-04	1.41E-04
Lung_TB	0.0	0.0	0.0	6.26E-07	3.33E-05	1.33E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04
Lung_P	0.0	0.0	0.0	6.26E-07	3.33E-05	1.33E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04
Muscle	6.00E-03	8.83E-03	1.04E-02	1.27E-07	3.31E-02	1.07E-02	8.56E-03	6.80E-03	6.30E-03	6.00E-03	5.60E-03	4.76E-03
Ovaries	0.0	7.60E-05	4.74E-03	3.66E-02	4.94E-02	3.49E-02	3.11E-02	3.07E-02	2.62E-02	2.28E-02	2.08E-02	1.77E-02
Pancreas	0.0	0.0	2.68E-09	1.95E-05	3.89E-04	8.23E-04	1.17E-03	1.35E-03	1.41E-03	1.43E-03	1.43E-03	1.26E-03
R_Marrow	0.0	2.31E-07	3.06E-03	1.35E-03	4.60E-03	5.37E-03	5.02E-03	5.28E-03	4.63E-03	4.24E-03	3.99E-03	3.35E-03
Skin	4.69E-06	9.89E-05	8.60E-04	3.01E-03	4.64E-03	4.42E-03	3.99E-03	3.55E-03	3.22E-03	2.97E-03	2.80E-03	2.36E-03
Spleen	0.0	0.0	1.59E-09	1.35E-05	3.01E-04	6.26E-04	9.36E-04	1.16E-03	1.23E-03	1.26E-03	1.12E-03	1.04E-03
Testes	0.0	4.58E-05	2.75E-03	2.80E-02	4.01E-02	2.56E-02	2.38E-02	2.08E-02	1.90E-02	1.84E-02	1.80E-02	1.70E-02
Thymus	0.0	0.0	3.10E-08	7.74E-06	5.15E-05	1.08E-04	1.91E-04	2.54E-04	2.89E-04	3.15E-04	3.20E-04	3.00E-04
Thyroid	0.0	0.0	0.0	2.56E-10	4.32E-07	6.37E-06	1.95E-05	4.89E-05	8.15E-05	1.03E-04	1.22E-04	1.41E-04
GB_Wall1	0.0	0.0	3.19E-07	2.23E-04	2.31E-03	4.06E-03	4.05E-03	3.65E-03	3.34E-03	3.11E-03	2.96E-03	2.52E-03
Ht_Wall1	0.0	0.0	6.96E-07	4.91E-05	1.92E-04	3.17E-04	4.62E-04	5.44E-04	5.81E-04	6.08E-04	5.74E-04	5.39E-04
Uterus	3.09E-04	2.03E-02	8.72E-02	1.63E-01	1.30E-01	7.79E-02	6.36E-02	6.53E-02	5.71E-02	5.40E-02	5.19E-02	4.39E-02

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = C_Bone-S		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	1.10E-05	8.05E-04	3.28E-03	6.41E-03	8.04E-03	6.76E-03	6.75E-03	7.29E-03	6.70E-03	5.95E-03	5.48E-03	4.94E-03
UB_Wall1	0.0	5.70E-08	1.89E-05	6.81E-04	1.72E-03	2.72E-03	2.57E-03	2.25E-03	2.14E-03	2.12E-03	2.06E-03	1.76E-03
Bone_Sur	1.67E-01	1.65E-01	1.59E-01	1.35E-01	7.99E-02	3.04E-02	1.86E-02	1.63E-02	1.51E-02	1.39E-02	1.30E-02	1.07E-02
Brain	9.53E-04	3.07E-03	6.22E-03	1.05E-02	9.26E-03	6.77E-03	6.97E-03	7.03E-03	6.56E-03	6.14E-03	5.78E-03	4.69E-03
Breasts	1.17E-05	3.20E-04	1.12E-03	1.85E-03	2.00E-03	1.83E-03	1.86E-03	2.32E-03	2.28E-03	2.10E-03	1.97E-03	1.77E-03
St_Wall1	4.02E-06	6.30E-05	4.44E-04	1.09E-03	2.09E-03	2.44E-03	2.27E-03	2.54E-03	2.57E-03	2.45E-03	2.31E-03	1.88E-03
SI_Wall1	9.89E-05	3.17E-04	7.32E-04	1.96E-03	3.46E-03	3.65E-03	3.46E-03	3.44E-03	3.22E-03	2.98E-03	2.79E-03	2.36E-03
ULI_Wall1	2.07E-04	4.60E-04	8.12E-04	1.81E-03	3.05E-03	3.04E-03	2.77E-03	2.81E-03	2.80E-03	2.64E-03	2.52E-03	2.36E-03
LLI_Wall1	4.01E-04	1.02E-03	1.98E-03	3.84E-03	5.15E-03	4.76E-03	4.28E-03	4.40E-03	4.25E-03	3.94E-03	3.68E-03	3.15E-03
Kidneys	2.60E-06	1.70E-04	9.56E-04	2.82E-03	4.36E-03	4.17E-03	4.05E-03	4.39E-03	4.02E-03	3.79E-03	3.60E-03	2.98E-03
Liver	3.25E-05	2.26E-04	7.13E-04	2.04E-03	3.21E-03	3.13E-03	3.08E-03	3.21E-03	3.08E-03	2.98E-03	2.80E-03	2.26E-03
ET1-bas	3.52E-10	2.06E-05	4.14E-04	2.53E-03	4.50E-03	4.31E-03	4.10E-03	4.36E-03	4.10E-03	3.99E-03	3.80E-03	3.10E-03
ET2-bas	3.52E-10	2.06E-05	4.14E-04	2.53E-03	4.50E-03	4.31E-03	4.10E-03	4.36E-03	4.10E-03	3.99E-03	3.80E-03	3.10E-03
LN-ET	3.52E-10	2.06E-05	4.14E-04	2.53E-03	4.50E-03	4.31E-03	4.10E-03	4.36E-03	4.10E-03	3.99E-03	3.80E-03	3.10E-03
BBi-bas	9.94E-06	1.60E-04	1.15E-03	3.90E-03	5.26E-03	4.31E-03	4.12E-03	4.41E-03	4.12E-03	3.95E-03	3.66E-03	3.46E-03
BBi-sec	9.94E-06	1.60E-04	1.15E-03	3.90E-03	5.26E-03	4.31E-03	4.12E-03	4.41E-03	4.12E-03	3.95E-03	3.66E-03	3.46E-03
bbe-sec	9.94E-06	1.60E-04	1.15E-03	3.90E-03	5.26E-03	4.31E-03	4.12E-03	4.41E-03	4.12E-03	3.95E-03	3.66E-03	3.46E-03
AI	9.94E-06	1.60E-04	1.15E-03	3.90E-03	5.26E-03	4.31E-03	4.12E-03	4.41E-03	4.12E-03	3.95E-03	3.66E-03	3.46E-03
LN-Th	9.94E-06	1.60E-04	1.15E-03	3.90E-03	5.26E-03	4.31E-03	4.12E-03	4.41E-03	4.12E-03	3.95E-03	3.66E-03	3.46E-03
Ing_Tiss	9.94E-06	1.60E-04	1.15E-03	3.90E-03	5.26E-03	4.31E-03	4.12E-03	4.41E-03	4.12E-03	3.95E-03	3.66E-03	3.46E-03
Lung_NP	3.52E-10	2.06E-05	4.14E-04	2.53E-03	4.50E-03	4.31E-03	4.10E-03	4.36E-03	4.10E-03	3.99E-03	3.80E-03	3.10E-03
Lung_TB	9.94E-06	1.60E-04	1.15E-03	3.90E-03	5.26E-03	4.31E-03	4.12E-03	4.41E-03	4.12E-03	3.95E-03	3.66E-03	3.46E-03
Lung_P	9.94E-06	1.60E-04	1.15E-03	3.90E-03	5.26E-03	4.31E-03	4.12E-03	4.41E-03	4.12E-03	3.95E-03	3.66E-03	3.46E-03
Muscle	4.54E-04	1.31E-03	2.41E-03	4.11E-03	4.92E-03	4.48E-03	4.52E-03	4.68E-03	4.52E-03	4.49E-03	4.21E-03	3.29E-03
Ovaries	2.45E-10	2.14E-05	5.40E-04	2.77E-03	4.35E-03	4.26E-03	3.89E-03	3.85E-03	3.61E-03	3.37E-03	3.16E-03	2.60E-03
Pancreas	4.68E-07	1.90E-05	2.63E-04	1.65E-03	3.79E-03	4.09E-03	3.94E-03	3.99E-03	3.52E-03	3.28E-03	3.13E-03	2.74E-03
R_Marrow	3.27E-02	2.91E-02	2.56E-02	2.00E-02	1.45E-02	1.19E-02	1.21E-02	1.24E-02	1.14E-02	1.05E-02	9.85E-03	8.22E-03
Skin	3.95E-04	1.20E-03	2.04E-03	2.95E-03	3.08E-03	2.94E-03	3.25E-03	3.51E-03	3.40E-03	3.32E-03	3.23E-03	2.81E-03
Spleen	1.15E-07	9.18E-05	5.86E-04	1.99E-03	3.34E-03	3.28E-03	3.24E-03	3.42E-03	3.05E-03	2.87E-03	2.74E-03	2.34E-03
Testes	0.0	3.25E-08	1.53E-05	4.43E-04	1.82E-03	2.45E-03	2.49E-03	2.66E-03	2.61E-03	2.45E-03	2.31E-03	2.02E-03
Thymus	2.68E-07	1.87E-04	1.03E-03	2.34E-03	3.08E-03	3.00E-03	2.93E-03	3.17E-03	3.02E-03	2.80E-03	2.62E-03	2.17E-03
Thyroid	3.52E-10	2.06E-05	4.14E-04	2.53E-03	4.50E-03	4.31E-03	4.10E-03	4.36E-03	4.10E-03	3.99E-03	3.80E-03	3.10E-03
GB_Wall1	2.68E-10	3.08E-07	4.59E-05	8.67E-04	2.45E-03	2.65E-03	2.69E-03	2.72E-03	2.53E-03	2.33E-03	2.20E-03	1.87E-03
Ht_Wall1	2.17E-06	9.40E-05	5.15E-04	1.84E-03	3.44E-03	3.55E-03	3.41E-03	3.40E-03	3.14E-03	2.90E-03	2.74E-03	2.47E-03
Uterus	2.05E-10	2.81E-07	4.73E-05	9.11E-04	2.64E-03	3.19E-03	3.07E-03	2.93E-03	2.69E-03	2.47E-03	2.33E-03	2.03E-03

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = C_Bone-V		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	1.10E-05	8.05E-04	3.28E-03	6.41E-03	8.04E-03	6.76E-03	6.75E-03	7.29E-03	6.70E-03	5.95E-03	5.48E-03	4.94E-03
UB_Wall1	0.0	5.70E-08	1.89E-05	6.81E-04	1.72E-03	2.72E-03	2.57E-03	2.25E-03	2.14E-03	2.12E-03	2.06E-03	1.76E-03
Bone_Sur	1.67E-01	1.65E-01	1.59E-01	1.35E-01	7.99E-02	3.04E-02	1.86E-02	1.63E-02	1.51E-02	1.39E-02	1.30E-02	1.07E-02
Brain	9.53E-04	3.07E-03	6.22E-03	1.05E-02	9.26E-03	6.77E-03	6.97E-03	7.03E-03	6.56E-03	6.14E-03	5.78E-03	4.69E-03
Breasts	1.17E-05	3.20E-04	1.12E-03	1.85E-03	2.00E-03	1.83E-03	1.86E-03	2.32E-03	2.28E-03	2.10E-03	1.97E-03	1.77E-03
St_Wall1	4.02E-06	6.30E-05	4.44E-04	1.09E-03	2.09E-03	2.44E-03	2.27E-03	2.54E-03	2.57E-03	2.45E-03	2.31E-03	1.88E-03
SI_Wall1	9.89E-05	3.17E-04	7.32E-04	1.96E-03	3.46E-03	3.65E-03	3.46E-03	3.44E-03	3.22E-03	2.98E-03	2.79E-03	2.36E-03
ULI_Wall1	2.07E-04	4.60E-04	8.12E-04	1.81E-03	3.05E-03	3.04E-03	2.77E-03	2.81E-03	2.80E-03	2.64E-03	2.52E-03	2.36E-03
LLI_Wall1	4.01E-04	1.02E-03	1.98E-03	3.84E-03	5.15E-03	4.76E-03	4.28E-03	4.40E-03	4.25E-03	3.94E-03	3.68E-03	3.15E-03
Kidneys	2.60E-06	1.70E-04	9.56E-04	2.82E-03	4.36E-03	4.17E-03	4.05E-03	4.39E-03	4.02E-03	3.79E-03	3.60E-03	2.98E-03
Liver	3.25E-05	2.26E-04	7.13E-04	2.04E-03	3.21E-03	3.13E-03	3.08E-03	3.21E-03	3.08E-03	2.98E-03	2.80E-03	2.26E-03
ET1-bas	3.52E-10	2.06E-05	4.14E-04	2.53E-03	4.50E-03	4.31E-03	4.10E-03	4.36E-03	3.99E-03	3.80E-03	3.64E-03	3.10E-03
ET2-bas	3.52E-10	2.06E-05	4.14E-04	2.53E-03	4.50E-03	4.31E-03	4.10E-03	4.36E-03	3.99E-03	3.80E-03	3.64E-03	3.10E-03
LN-ET	3.52E-10	2.06E-05	4.14E-04	2.53E-03	4.50E-03	4.31E-03	4.10E-03	4.36E-03	3.99E-03	3.80E-03	3.64E-03	3.10E-03
BBi-bas	9.94E-06	1.60E-04	1.15E-03	3.90E-03	5.26E-03	4.31E-03	4.12E-03	4.41E-03	3.95E-03	3.66E-03	3.46E-03	2.92E-03
BBi-sec	9.94E-06	1.60E-04	1.15E-03	3.90E-03	5.26E-03	4.31E-03	4.12E-03	4.41E-03	3.95E-03	3.66E-03	3.46E-03	2.92E-03
bbe-sec	9.94E-06	1.60E-04	1.15E-03	3.90E-03	5.26E-03	4.31E-03	4.12E-03	4.41E-03	3.95E-03	3.66E-03	3.46E-03	2.92E-03
AI	9.94E-06	1.60E-04	1.15E-03	3.90E-03	5.26E-03	4.31E-03	4.12E-03	4.41E-03	3.95E-03	3.66E-03	3.46E-03	2.92E-03
LN-Th	9.94E-06	1.60E-04	1.15E-03	3.90E-03	5.26E-03	4.31E-03	4.12E-03	4.41E-03	3.95E-03	3.66E-03	3.46E-03	2.92E-03
Ing_Tiss	9.94E-06	1.60E-04	1.15E-03	3.90E-03	5.26E-03	4.31E-03	4.12E-03	4.41E-03	3.95E-03	3.66E-03	3.46E-03	2.92E-03
Lung_NP	3.52E-10	2.06E-05	4.14E-04	2.53E-03	4.50E-03	4.31E-03	4.10E-03	4.36E-03	3.99E-03	3.80E-03	3.64E-03	3.10E-03
Lung_TB	9.94E-06	1.60E-04	1.15E-03	3.90E-03	5.26E-03	4.31E-03	4.12E-03	4.41E-03	3.95E-03	3.66E-03	3.46E-03	2.92E-03
Lung_P	9.94E-06	1.60E-04	1.15E-03	3.90E-03	5.26E-03	4.31E-03	4.12E-03	4.41E-03	3.95E-03	3.66E-03	3.46E-03	2.92E-03
Muscle	4.54E-04	1.31E-03	2.41E-03	4.11E-03	4.92E-03	4.48E-03	4.52E-03	4.68E-03	4.49E-03	4.21E-03	3.97E-03	3.29E-03
Ovaries	2.45E-10	2.14E-05	5.40E-04	2.77E-03	4.35E-03	4.26E-03	3.89E-03	3.85E-03	3.61E-03	3.37E-03	3.16E-03	2.60E-03
Pancreas	4.68E-07	1.90E-05	2.63E-04	1.65E-03	3.79E-03	4.09E-03	3.94E-03	3.99E-03	3.52E-03	3.28E-03	3.13E-03	2.74E-03
R_Marrow	3.27E-02	2.91E-02	2.56E-02	2.00E-02	1.45E-02	1.19E-02	1.21E-02	1.24E-02	1.14E-02	1.05E-02	9.85E-03	8.22E-03
Skin	3.95E-04	1.20E-03	2.04E-03	2.95E-03	3.08E-03	2.94E-03	3.25E-03	3.51E-03	3.40E-03	3.32E-03	3.23E-03	2.81E-03
Spleen	1.15E-07	9.18E-05	5.86E-04	1.99E-03	3.34E-03	3.28E-03	3.24E-03	3.42E-03	3.05E-03	2.87E-03	2.74E-03	2.34E-03
Testes	0.0	3.25E-08	1.53E-05	4.43E-04	1.82E-03	2.45E-03	2.49E-03	2.66E-03	2.61E-03	2.45E-03	2.31E-03	2.02E-03
Thymus	2.68E-07	1.87E-04	1.03E-03	2.34E-03	3.08E-03	3.00E-03	2.93E-03	3.17E-03	3.02E-03	2.80E-03	2.62E-03	2.17E-03
Thyroid	3.52E-10	2.06E-05	4.14E-04	2.53E-03	4.50E-03	4.31E-03	4.10E-03	4.36E-03	3.99E-03	3.80E-03	3.64E-03	3.10E-03
GB_Wall1	2.68E-10	3.08E-07	4.59E-05	8.67E-04	2.45E-03	2.65E-03	2.69E-03	2.72E-03	2.53E-03	2.33E-03	2.20E-03	1.87E-03
Ht_Wall1	2.17E-06	9.40E-05	5.15E-04	1.84E-03	3.44E-03	3.55E-03	3.41E-03	3.40E-03	3.14E-03	2.90E-03	2.74E-03	2.47E-03
Uterus	2.05E-10	2.81E-07	4.73E-05	9.11E-04	2.64E-03	3.19E-03	3.07E-03	2.93E-03	2.69E-03	2.47E-03	2.33E-03	2.03E-03

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = T_Bone-S		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	2.12E-05	1.55E-03	6.26E-03	1.23E-02	1.54E-02	1.31E-02	1.40E-02	1.28E-02	1.13E-02	1.04E-02	9.32E-03	9.32E-03
UB_Wall1	0.0	1.84E-07	5.79E-05	1.81E-03	5.39E-03	6.49E-03	4.45E-03	3.75E-03	3.41E-03	3.25E-03	3.25E-03	3.25E-03
Bone_Sur	1.66E-01	1.62E-01	1.53E-01	1.25E-01	7.35E-02	2.83E-02	1.71E-02	1.48E-02	1.37E-02	1.27E-02	1.18E-02	9.85E-03
Brain	7.12E-04	2.29E-03	4.64E-03	7.83E-03	7.01E-03	5.27E-03	5.30E-03	5.46E-03	5.15E-03	4.80E-03	4.52E-03	3.78E-03
Breasts	1.95E-05	5.37E-04	1.75E-03	2.80E-03	3.10E-03	2.72E-03	2.71E-03	3.33E-03	3.28E-03	3.00E-03	2.80E-03	2.48E-03
St_Wall1	8.88E-05	2.62E-04	5.63E-04	1.66E-03	3.89E-03	4.79E-03	4.46E-03	4.13E-03	3.96E-03	3.70E-03	3.52E-03	3.37E-03
SI_Wall1	4.32E-04	1.26E-03	2.78E-03	7.15E-03	1.16E-02	1.12E-02	1.03E-02	1.01E-02	9.21E-03	8.37E-03	7.73E-03	6.32E-03
ULI_Wall1	1.03E-03	1.85E-03	2.81E-03	6.19E-03	9.59E-03	9.72E-03	8.76E-03	7.78E-03	7.11E-03	6.77E-03	6.49E-03	5.64E-03
LLI_Wall1	3.86E-04	4.22E-03	1.12E-02	1.72E-02	1.63E-02	1.30E-02	1.22E-02	1.27E-02	1.15E-02	1.04E-02	9.54E-03	7.71E-03
Kidneys	1.58E-06	4.22E-04	2.34E-03	6.83E-03	1.05E-02	9.87E-03	9.50E-03	1.01E-02	9.16E-03	8.56E-03	8.07E-03	6.58E-03
Liver	5.41E-05	3.51E-04	1.04E-03	2.80E-03	4.74E-03	5.07E-03	5.02E-03	5.00E-03	4.65E-03	4.35E-03	4.11E-03	3.53E-03
ET1-bas	2.12E-07	1.58E-05	3.36E-04	2.24E-03	4.34E-03	4.43E-03	4.19E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
ET2-bas	2.12E-07	1.58E-05	3.36E-04	2.24E-03	4.34E-03	4.43E-03	4.19E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
LN-ET	2.12E-07	1.58E-05	3.36E-04	2.24E-03	4.34E-03	4.43E-03	4.19E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
BBi-bas	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
BBi-sec	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
bbe-sec	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
AI	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
LN-Th	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
Ing_Tiss	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
Lung_NP	2.12E-07	1.58E-05	3.36E-04	2.24E-03	4.34E-03	4.43E-03	4.19E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
Lung_TB	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
Lung_P	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
Muscle	6.24E-04	1.78E-03	3.25E-03	5.44E-03	6.29E-03	5.60E-03	5.52E-03	5.59E-03	5.35E-03	4.99E-03	4.67E-03	3.92E-03
Ovaries	9.73E-10	8.46E-05	2.19E-03	1.08E-02	1.58E-02	1.41E-02	1.23E-02	1.08E-02	1.01E-02	9.38E-03	7.22E-03	5.09E-03
Pancreas	9.23E-07	3.80E-05	5.31E-04	3.21E-03	7.26E-03	7.93E-03	7.63E-03	7.64E-03	6.58E-03	6.04E-03	5.74E-03	4.17E-03
R_Marrow	7.58E-02	6.72E-02	5.89E-02	4.48E-02	3.12E-02	2.45E-02	2.48E-02	2.56E-02	2.35E-02	2.16E-02	2.01E-02	1.64E-02
Skin	3.98E-04	1.27E-03	1.88E-03	2.41E-03	2.67E-03	2.44E-03	2.66E-03	2.99E-03	3.17E-03	2.97E-03	2.79E-03	2.51E-03
Spleen	1.93E-07	1.55E-04	9.37E-04	2.96E-03	5.10E-03	5.40E-03	5.32E-03	5.47E-03	4.75E-03	4.51E-03	4.37E-03	3.81E-03
Testes	0.0	1.44E-08	9.51E-06	3.60E-04	1.69E-03	2.38E-03	2.48E-03	2.64E-03	2.60E-03	2.29E-03	2.08E-03	1.86E-03
Thymus	2.87E-05	3.14E-04	1.71E-03	3.85E-03	4.80E-03	4.53E-03	4.38E-03	4.68E-03	4.42E-03	4.09E-03	3.82E-03	3.19E-03
Thyroid	2.12E-07	1.58E-05	3.36E-04	2.24E-03	4.34E-03	4.43E-03	4.19E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
GB_Wall1	0.0	7.00E-07	1.08E-04	2.05E-03	5.55E-03	5.53E-03	4.75E-03	5.05E-03	4.62E-03	4.36E-03	3.64E-03	3.21E-03
Ht_Wall1	3.63E-06	1.58E-04	8.71E-04	3.04E-03	5.54E-03	5.66E-03	5.45E-03	5.36E-03	4.91E-03	4.53E-03	4.28E-03	3.86E-03
Uterus	0.0	1.26E-06	1.85E-04	3.49E-03	9.20E-03	1.00E-02	9.17E-03	8.27E-03	7.32E-03	6.55E-03	6.04E-03	5.16E-03

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = T_Bone-V	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	2.12E-05	1.55E-03	6.26E-03	1.23E-02	1.54E-02	1.31E-02	1.40E-02	1.28E-02	1.13E-02	1.04E-02	9.32E-03	9.32E-03
UB_Wall1	0.0	1.84E-07	5.79E-05	1.81E-03	5.39E-03	6.49E-03	4.45E-03	4.57E-03	3.75E-03	3.41E-03	3.25E-03	3.25E-03
Bone_Sur	1.66E-01	1.62E-01	1.53E-01	1.25E-01	7.35E-02	2.83E-02	1.71E-02	1.48E-02	1.37E-02	1.27E-02	1.18E-02	9.85E-03
Brain	7.12E-04	2.29E-03	4.64E-03	7.83E-03	7.01E-03	5.27E-03	5.30E-03	5.46E-03	5.15E-03	4.80E-03	4.52E-03	3.78E-03
Breasts	1.95E-05	5.37E-04	1.75E-03	2.80E-03	3.10E-03	2.72E-03	2.71E-03	3.33E-03	3.28E-03	3.00E-03	2.80E-03	2.48E-03
St_Wall1	8.88E-05	2.62E-04	5.63E-04	1.66E-03	3.89E-03	4.79E-03	4.46E-03	4.13E-03	3.96E-03	3.70E-03	3.52E-03	3.37E-03
SI_Wall1	4.32E-04	1.26E-03	2.78E-03	7.15E-03	1.16E-02	1.12E-02	1.03E-02	1.01E-02	9.21E-03	8.37E-03	7.73E-03	6.32E-03
ULI_Wall1	1.03E-03	1.85E-03	2.81E-03	6.19E-03	9.59E-03	9.72E-03	8.76E-03	7.78E-03	7.11E-03	6.77E-03	6.49E-03	5.64E-03
LLI_Wall1	3.86E-04	4.22E-03	1.12E-02	1.72E-02	1.63E-02	1.30E-02	1.22E-02	1.27E-02	1.15E-02	1.04E-02	9.54E-03	7.71E-03
Kidneys	1.58E-06	4.22E-04	2.34E-03	6.83E-03	1.05E-02	9.87E-03	9.50E-03	1.01E-02	9.16E-03	8.56E-03	8.07E-03	6.58E-03
Liver	5.41E-05	3.51E-04	1.04E-03	2.80E-03	4.74E-03	5.07E-03	5.02E-03	5.00E-03	4.65E-03	4.35E-03	4.11E-03	3.53E-03
ET1-bas	2.12E-07	1.58E-05	3.36E-04	2.24E-03	4.34E-03	4.43E-03	4.19E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
ET2-bas	2.12E-07	1.58E-05	3.36E-04	2.24E-03	4.34E-03	4.43E-03	4.19E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
LN-ET	2.12E-07	1.58E-05	3.36E-04	2.24E-03	4.34E-03	4.43E-03	4.19E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
BBi-bas	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
BBi-sec	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
bbe-sec	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
AI	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
LN-Th	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
Ing_Tiss	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
Lung_NP	2.12E-07	1.58E-05	3.36E-04	2.24E-03	4.34E-03	4.43E-03	4.19E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
Lung_TB	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
Lung_P	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
Muscle	6.24E-04	1.78E-03	3.25E-03	5.44E-03	6.29E-03	5.60E-03	5.52E-03	5.59E-03	5.35E-03	4.99E-03	4.67E-03	3.92E-03
Ovaries	9.73E-10	8.46E-05	2.19E-03	1.08E-02	1.58E-02	1.41E-02	1.23E-02	1.08E-02	1.01E-02	9.38E-03	7.22E-03	5.09E-03
Pancreas	9.23E-07	3.80E-05	5.31E-04	3.21E-03	7.26E-03	7.93E-03	7.63E-03	7.64E-03	6.58E-03	6.04E-03	5.74E-03	4.17E-03
R_Marrow	7.58E-02	6.72E-02	5.89E-02	4.48E-02	3.12E-02	2.45E-02	2.48E-02	2.56E-02	2.35E-02	2.16E-02	2.01E-02	1.64E-02
Skin	3.98E-04	1.27E-03	1.88E-03	2.41E-03	2.67E-03	2.44E-03	2.66E-03	2.99E-03	3.17E-03	2.97E-03	2.79E-03	2.51E-03
Spleen	1.93E-07	1.55E-04	9.37E-04	2.96E-03	5.10E-03	5.40E-03	5.32E-03	5.47E-03	4.75E-03	4.51E-03	4.37E-03	3.81E-03
Testes	0.0	1.44E-08	9.51E-06	3.60E-04	1.69E-03	2.38E-03	2.48E-03	2.64E-03	2.60E-03	2.29E-03	2.08E-03	1.86E-03
Thymus	2.87E-05	3.14E-04	1.71E-03	3.85E-03	4.80E-03	4.53E-03	4.38E-03	4.68E-03	4.42E-03	4.09E-03	3.82E-03	3.19E-03
Thyroid	2.12E-07	1.58E-05	3.36E-04	2.24E-03	4.34E-03	4.43E-03	4.19E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
GB_Wall1	0.0	7.00E-07	1.08E-04	2.05E-03	5.55E-03	5.53E-03	4.75E-03	5.64E-03	5.05E-03	4.62E-03	4.36E-03	3.64E-03
Ht_Wall1	3.63E-06	1.58E-04	8.71E-04	3.04E-03	5.54E-03	5.66E-03	5.45E-03	5.36E-03	4.91E-03	4.53E-03	4.28E-03	3.86E-03
Uterus	0.0	1.26E-06	1.85E-04	3.49E-03	9.20E-03	1.00E-02	9.17E-03	8.27E-03	7.32E-03	6.55E-03	6.04E-03	5.16E-03

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = Brain	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	0.0	0.0	4.00E-08	7.68E-06	3.65E-05	7.00E-05	1.35E-04	2.10E-04	2.48E-04	2.80E-04	3.40E-04
UB_Wall1	0.0	0.0	0.0	1.65E-08	3.30E-07	1.41E-06	5.65E-06	1.45E-05	2.31E-05	3.28E-05	5.38E-05	5.38E-05
Bone_Sur	4.28E-03	1.52E-02	3.37E-02	6.13E-02	4.97E-02	1.96E-02	1.07E-02	8.46E-03	7.83E-03	6.95E-03	5.62E-03	5.62E-03
Brain	6.93E-01	6.50E-01	5.72E-01	3.86E-01	1.93E-01	1.17E-01	1.16E-01	1.17E-01	1.07E-01	9.91E-02	9.21E-02	7.30E-02
Breasts	0.0	0.0	0.0	1.10E-06	6.59E-05	1.40E-04	2.47E-04	4.12E-04	5.29E-04	5.83E-04	6.14E-04	6.72E-04
St_Wall1	0.0	0.0	0.0	1.42E-08	3.57E-06	1.62E-05	3.34E-05	6.78E-05	1.11E-04	1.44E-04	1.72E-04	2.21E-04
SI_Wall1	0.0	0.0	0.0	1.48E-10	2.39E-07	2.33E-06	6.95E-06	1.93E-05	3.82E-05	5.50E-05	7.05E-05	1.26E-04
ULI_Wall1	0.0	0.0	0.0	2.49E-10	3.27E-07	2.90E-06	8.25E-06	2.23E-05	4.41E-05	6.23E-05	7.95E-05	1.14E-04
LLI_Wall1	0.0	0.0	0.0	0.0	6.01E-08	7.53E-07	2.60E-06	8.68E-06	2.00E-05	3.05E-05	4.11E-05	6.52E-05
Kidneys	0.0	0.0	0.0	4.26E-09	1.87E-06	1.05E-05	2.35E-05	5.67E-05	9.60E-05	1.25E-04	1.50E-04	2.23E-04
Liver	0.0	0.0	0.0	2.67E-08	5.35E-06	5.55E-05	8.48E-05	1.62E-04	2.36E-04	2.66E-04	2.79E-04	2.96E-04
ET1-bas	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	7.20E-03	6.94E-03	6.62E-03	5.37E-03
ET2-bas	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	7.20E-03	6.94E-03	6.62E-03	5.37E-03
LN-ET	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	7.20E-03	6.94E-03	6.62E-03	5.37E-03
BBi-bas	0.0	0.0	1.61E-08	1.90E-05	2.08E-04	4.40E-04	6.23E-04	7.71E-04	8.93E-04	9.56E-04	9.81E-04	9.57E-04
BBi-sec	0.0	0.0	1.61E-08	1.90E-05	2.08E-04	4.40E-04	6.23E-04	7.71E-04	8.93E-04	9.56E-04	9.81E-04	9.57E-04
bbe-sec	0.0	0.0	1.61E-08	1.90E-05	2.08E-04	4.40E-04	6.23E-04	7.71E-04	8.93E-04	9.56E-04	9.81E-04	9.57E-04
AI	0.0	0.0	0.0	1.61E-08	1.90E-05	2.08E-04	4.40E-04	6.23E-04	7.71E-04	8.93E-04	9.56E-04	9.81E-04
LN-Th	0.0	0.0	1.61E-08	1.90E-05	2.08E-04	4.40E-04	6.23E-04	7.71E-04	8.93E-04	9.56E-04	9.81E-04	9.57E-04
Ing_Tiss	0.0	0.0	1.61E-08	1.90E-05	2.08E-04	4.40E-04	6.23E-04	7.71E-04	8.93E-04	9.56E-04	9.81E-04	9.57E-04
Lung_NP	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	7.20E-03	6.94E-03	6.62E-03	5.37E-03
Lung_TB	0.0	0.0	1.61E-08	1.90E-05	2.08E-04	4.40E-04	6.23E-04	7.71E-04	8.93E-04	9.56E-04	9.81E-04	9.57E-04
Lung_P	0.0	0.0	1.61E-08	1.90E-05	2.08E-04	4.40E-04	6.23E-04	7.71E-04	8.93E-04	9.56E-04	9.81E-04	9.57E-04
Muscle	2.52E-08	3.09E-06	9.39E-05	8.15E-04	1.47E-03	1.40E-03	1.44E-03	1.55E-03	1.52E-03	1.44E-03	1.38E-03	1.22E-03
Ovaries	0.0	0.0	0.0	0.0	6.08E-08	8.74E-07	3.13E-06	1.06E-05	2.41E-05	3.63E-05	4.86E-05	7.57E-05
Pancreas	0.0	0.0	0.0	0.0	2.01E-08	5.07E-06	8.88E-05	8.16E-05	1.54E-04	1.95E-04	2.23E-04	2.46E-04
R_Marrow	6.43E-04	2.09E-03	4.46E-03	8.29E-03	8.51E-03	6.51E-03	5.85E-03	5.49E-03	5.13E-03	4.80E-03	4.52E-03	3.78E-03
Skin	1.43E-05	8.47E-05	2.99E-04	1.77E-03	2.71E-03	2.35E-03	2.47E-03	2.90E-03	2.86E-03	2.61E-03	2.40E-03	1.98E-03
Spleen	0.0	0.0	0.0	0.0	1.58E-08	4.14E-06	4.86E-05	1.27E-04	2.05E-04	2.70E-04	3.09E-04	3.22E-04
Testes	0.0	0.0	0.0	0.0	0.0	2.25E-09	7.68E-08	4.31E-07	2.27E-06	6.99E-06	1.22E-05	1.80E-05
Thymus	0.0	0.0	3.96E-09	1.50E-05	2.22E-04	4.80E-04	6.89E-04	9.36E-04	1.13E-03	1.20E-03	1.23E-03	1.20E-03
Thyroid	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	7.20E-03	6.94E-03	6.62E-03	5.37E-03
GB_Wall1	0.0	0.0	4.04E-09	1.77E-06	1.00E-05	2.28E-05	5.02E-05	8.69E-05	1.15E-04	1.40E-04	1.85E-04	1.85E-04
Ht_Wall1	0.0	0.0	1.11E-06	4.17E-05	1.58E-04	2.93E-04	4.01E-04	5.08E-04	5.81E-04	6.23E-04	6.66E-04	6.66E-04
Uterus	0.0	0.0	0.0	0.0	5.15E-08	7.73E-07	2.84E-06	9.76E-06	2.14E-05	3.42E-05	4.58E-05	7.28E-05

Specific Absorbed Fraction of Photon Energy in kg⁻¹: Recommended Values for Age 15 Male or Adult Female

Source = Breasts	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	3.02E-07	4.12E-04	2.34E-03	3.10E-03	2.83E-03	3.14E-03	3.30E-03	3.12E-03	2.98E-03	2.89E-03	2.89E-03
UB_Wall1	0.0	0.0	1.19E-07	1.74E-05	9.24E-05	1.74E-04	2.83E-04	3.56E-04	3.93E-04	4.21E-04	4.13E-04	4.13E-04
Bone_Sur	5.60E-05	1.73E-03	6.41E-03	1.22E-02	1.15E-02	5.61E-03	3.29E-03	2.78E-03	2.52E-03	2.36E-03	2.12E-03	2.12E-03
Brain	0.0	0.0	0.0	1.10E-06	6.59E-05	1.40E-04	2.47E-04	4.12E-04	5.29E-04	6.14E-04	6.72E-04	6.72E-04
Breasts	2.62E+00	2.26E+00	1.72E+00	8.78E-01	3.36E-01	1.97E-01	2.09E-01	2.24E-01	2.13E-01	1.94E-01	1.78E-01	1.42E-01
St_Wall1	0.0	6.28E-08	3.99E-05	1.89E-03	3.77E-03	4.41E-03	3.93E-03	4.03E-03	3.88E-03	3.77E-03	3.72E-03	3.73E-03
SI_Wall1	0.0	0.0	7.12E-10	7.54E-06	1.54E-04	4.73E-04	5.07E-04	8.63E-04	9.54E-04	1.03E-03	1.07E-03	9.50E-04
ULI_Wall1	0.0	0.0	2.37E-09	1.51E-05	2.53E-04	8.52E-04	9.72E-04	1.06E-03	1.11E-03	1.12E-03	1.09E-03	1.09E-03
LLI_Wall1	0.0	0.0	0.0	1.51E-06	5.55E-05	1.77E-04	2.87E-04	4.10E-04	4.83E-04	5.23E-04	5.40E-04	5.14E-04
Kidneys	0.0	0.0	1.66E-08	7.77E-05	6.10E-04	1.30E-03	1.38E-03	1.48E-03	1.60E-03	1.66E-03	1.66E-03	1.52E-03
Liver	0.0	1.17E-07	1.09E-04	1.82E-03	4.60E-03	4.33E-03	4.41E-03	4.57E-03	4.73E-03	4.57E-03	4.35E-03	3.75E-03
ET1-bas	0.0	0.0	2.88E-07	2.49E-04	1.48E-03	1.98E-03	2.00E-03	2.38E-03	2.67E-03	2.81E-03	2.83E-03	2.52E-03
ET2-bas	0.0	0.0	2.88E-07	2.49E-04	1.48E-03	1.98E-03	2.00E-03	2.38E-03	2.67E-03	2.81E-03	2.83E-03	2.52E-03
LN-ET	0.0	0.0	2.88E-07	2.49E-04	1.48E-03	1.98E-03	2.00E-03	2.38E-03	2.67E-03	2.81E-03	2.83E-03	2.52E-03
BBi-bas	5.41E-06	2.72E-04	4.37E-03	1.84E-02	1.85E-02	1.29E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
BBi-sec	5.41E-06	2.72E-04	4.37E-03	1.84E-02	1.85E-02	1.29E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
bbe-sec	5.41E-06	2.72E-04	4.37E-03	1.84E-02	1.85E-02	1.29E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
AI	5.41E-06	2.72E-04	4.37E-03	1.84E-02	1.85E-02	1.29E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
LN-Th	5.41E-06	2.72E-04	4.37E-03	1.84E-02	1.85E-02	1.29E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
Ing_Tiss	5.41E-06	2.72E-04	4.37E-03	1.84E-02	1.85E-02	1.29E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
Lung_NP	0.0	0.0	2.88E-07	2.49E-04	1.48E-03	1.98E-03	2.00E-03	2.38E-03	2.67E-03	2.81E-03	2.83E-03	2.52E-03
Lung_TB	5.41E-06	2.72E-04	4.37E-03	1.84E-02	1.85E-02	1.29E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
Lung_P	5.41E-06	2.72E-04	4.37E-03	1.84E-02	1.85E-02	1.29E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
Muscle	4.58E-04	1.35E-03	2.38E-03	3.50E-03	3.22E-03	2.64E-03	2.14E-03	2.23E-03	2.32E-03	2.93E-03	2.81E-03	2.31E-03
Ovaries	0.0	0.0	0.0	6.63E-07	7.14E-05	1.23E-04	1.99E-04	3.33E-04	4.45E-04	5.07E-04	5.49E-04	6.49E-04
Pancreas	0.0	0.0	0.0	2.49E-06	6.56E-04	2.95E-03	3.57E-03	3.56E-03	4.02E-03	3.98E-03	3.76E-03	3.68E-03
R_Marrow	1.84E-05	5.00E-04	1.75E-03	3.13E-03	3.22E-03	2.90E-03	2.95E-03	3.33E-03	3.28E-03	3.00E-03	2.80E-03	2.48E-03
Skin	1.27E-02	1.97E-02	2.00E-02	1.31E-02	6.25E-03	4.11E-03	4.41E-03	5.04E-03	4.85E-03	4.51E-03	4.23E-03	3.63E-03
Spleen	0.0	0.0	1.27E-06	7.17E-04	2.03E-03	2.71E-03	2.59E-03	2.79E-03	2.80E-03	2.80E-03	2.77E-03	2.58E-03
Testes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thymus	0.0	1.57E-05	1.49E-03	1.28E-02	2.06E-02	1.60E-02	1.56E-02	1.57E-02	1.53E-02	1.46E-02	1.22E-02	1.22E-02
Thyroid	0.0	0.0	2.88E-07	2.49E-04	1.48E-03	1.98E-03	2.00E-03	2.38E-03	2.67E-03	2.81E-03	2.83E-03	2.52E-03
GB_Wall1	0.0	0.0	3.97E-07	2.02E-04	1.51E-03	2.18E-03	2.49E-03	2.75E-03	2.70E-03	2.64E-03	2.25E-03	2.25E-03
Ht_Wall1	3.92E-06	1.70E-04	2.46E-03	1.68E-02	2.24E-02	1.71E-02	1.57E-02	1.55E-02	1.46E-02	1.39E-02	1.13E-02	1.13E-02
Uterus	0.0	0.0	0.0	5.54E-07	4.61E-05	1.49E-04	2.86E-04	4.15E-04	5.03E-04	5.50E-04	5.79E-04	6.34E-04

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = St_Cont		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	7.87E-07	6.73E-04	8.30E-03	1.86E-02	1.73E-02	1.48E-02	1.40E-02	1.39E-02	1.22E-02	1.09E-02	9.00E-03
UB_Wall	0.0	0.0	4.81E-08	6.43E-05	7.81E-04	1.03E-03	1.32E-03	1.70E-03	1.87E-03	1.83E-03	1.83E-03	1.60E-03
Bone_Sur	4.23E-06	1.08E-04	1.07E-03	6.37E-03	6.17E-02	8.06E-03	4.50E-03	3.04E-03	2.73E-03	2.65E-03	2.56E-03	2.20E-03
Brain	0.0	0.0	0.0	1.18E-08	3.30E-06	1.56E-05	5.61E-05	1.42E-04	1.99E-04	2.21E-04	2.34E-04	2.59E-04
Breasts	0.0	2.04E-08	2.30E-05	1.21E-03	3.73E-03	3.70E-03	3.73E-03	4.18E-03	4.06E-03	4.04E-03	3.99E-03	3.47E-03
St_Wall	4.31E-01	9.46E-01	1.12E+00	8.19E-01	3.95E-01	2.26E-01	2.18E-01	2.21E-01	2.03E-01	1.86E-01	1.70E-01	1.32E-01
SI_Wall	1.77E-05	2.63E-04	1.78E-03	9.55E-03	1.61E-02	1.38E-02	1.23E-02	1.16E-02	1.01E-02	9.48E-03	9.10E-03	8.15E-03
ULI_Wall	3.86E-06	1.32E-03	6.30E-03	2.10E-02	2.51E-02	1.73E-02	1.52E-02	1.42E-02	1.38E-02	1.26E-02	1.16E-02	9.77E-03
LLI_Wall	4.81E-08	9.40E-06	3.97E-04	3.49E-03	6.94E-03	6.08E-03	5.23E-03	5.29E-03	5.47E-03	5.37E-03	5.11E-03	4.03E-03
Kidneys	0.0	1.00E-06	4.43E-04	8.39E-03	1.76E-02	1.55E-02	1.41E-02	1.28E-02	1.29E-02	1.14E-02	1.01E-02	8.02E-03
Liver	1.54E-10	2.88E-05	9.01E-04	6.29E-03	1.28E-02	1.10E-02	9.72E-03	9.28E-03	8.41E-03	7.76E-03	7.29E-03	6.26E-03
ET1-bas	0.0	0.0	0.0	1.99E-06	9.33E-05	2.81E-04	5.02E-04	5.02E-04	6.56E-04	6.84E-04	6.93E-04	6.99E-04
ET2-bas	0.0	0.0	0.0	1.99E-06	9.33E-05	2.81E-04	5.02E-04	5.02E-04	6.56E-04	6.84E-04	6.93E-04	6.99E-04
LN-ET	0.0	0.0	0.0	1.99E-06	9.33E-05	2.81E-04	5.02E-04	5.02E-04	6.56E-04	6.84E-04	6.93E-04	6.99E-04
BBi-bas	5.83E-06	1.65E-04	1.78E-03	7.84E-03	1.01E-02	8.05E-03	6.81E-03	7.15E-03	6.85E-03	6.29E-03	5.83E-03	4.73E-03
BBi-sec	5.83E-06	1.65E-04	1.78E-03	7.84E-03	1.01E-02	8.05E-03	6.81E-03	7.15E-03	6.85E-03	6.29E-03	5.83E-03	4.73E-03
bbe-sec	5.83E-06	1.65E-04	1.78E-03	7.84E-03	1.01E-02	8.05E-03	6.81E-03	7.15E-03	6.85E-03	6.29E-03	5.83E-03	4.73E-03
AI	5.83E-06	1.65E-04	1.78E-03	7.84E-03	1.01E-02	8.05E-03	6.81E-03	7.15E-03	6.85E-03	6.29E-03	5.83E-03	4.73E-03
LN-Th	5.83E-06	1.65E-04	1.78E-03	7.84E-03	1.01E-02	8.05E-03	6.81E-03	7.15E-03	6.85E-03	6.29E-03	5.83E-03	4.73E-03
Lng_Tiss	5.83E-06	1.65E-04	1.78E-03	7.84E-03	1.01E-02	8.05E-03	6.81E-03	7.15E-03	6.85E-03	6.29E-03	5.83E-03	4.73E-03
Lung_NP	0.0	0.0	0.0	1.99E-06	9.33E-05	2.81E-04	5.02E-04	5.02E-04	6.56E-04	6.84E-04	6.93E-04	6.99E-04
Lung_TB	5.83E-06	1.65E-04	1.78E-03	7.84E-03	1.01E-02	8.05E-03	6.81E-03	7.15E-03	6.85E-03	6.29E-03	5.83E-03	4.73E-03
Lung_P	5.83E-06	1.65E-04	1.78E-03	7.84E-03	1.01E-02	8.05E-03	6.81E-03	7.15E-03	6.85E-03	6.29E-03	5.83E-03	4.73E-03
Muscle	5.14E-05	1.50E-03	5.04E-03	9.52E-03	8.80E-03	6.41E-03	5.95E-03	5.82E-03	5.57E-03	5.22E-03	4.90E-03	4.09E-03
Ovaries	0.0	2.34E-10	3.24E-06	5.39E-04	3.06E-03	4.45E-03	3.81E-03	4.03E-03	3.80E-03	3.65E-03	3.53E-03	3.15E-03
Pancreas	1.41E-03	1.31E-02	6.36E-02	1.50E-01	1.19E-01	7.73E-02	6.68E-02	6.32E-02	5.38E-02	5.08E-02	4.86E-02	3.92E-02
R_Marrow	1.41E-06	3.21E-05	2.96E-04	1.64E-03	3.56E-03	4.29E-03	4.18E-03	4.41E-03	3.88E-03	3.79E-03	3.72E-03	3.05E-03
Skin	1.07E-06	3.78E-05	4.73E-04	1.96E-03	2.33E-03	2.15E-03	2.20E-03	2.57E-03	2.45E-03	2.33E-03	2.24E-03	2.02E-03
Spleen	5.43E-10	2.54E-04	9.97E-03	5.52E-02	6.73E-02	4.51E-02	3.96E-02	3.44E-02	3.08E-02	2.98E-02	2.86E-02	2.26E-02
Testes	0.0	0.0	0.0	1.92E-06	9.22E-05	1.55E-04	2.36E-04	3.67E-04	4.77E-04	5.44E-04	5.93E-04	7.17E-04
Thymus	0.0	0.0	7.11E-07	2.65E-04	1.64E-03	2.84E-03	2.51E-03	2.62E-03	3.02E-03	3.06E-03	2.97E-03	2.59E-03
Thyroid	0.0	0.0	0.0	1.99E-06	9.33E-05	2.81E-04	5.02E-04	6.56E-04	6.84E-04	6.93E-04	6.99E-04	7.18E-04
GB_Wall	0.0	2.98E-06	8.25E-04	1.53E-02	2.02E-02	2.37E-02	2.18E-02	1.65E-02	1.36E-02	1.24E-02	1.17E-02	1.05E-02
Ht_Wall	1.49E-06	9.31E-05	1.75E-03	1.32E-02	2.03E-02	1.52E-02	1.39E-02	1.27E-02	1.27E-02	1.19E-02	9.51E-03	9.51E-03
Uterus	0.0	0.0	1.18E-06	3.95E-04	2.55E-03	3.75E-03	3.83E-03	3.77E-03	3.78E-03	3.56E-03	3.00E-03	3.00E-03

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = St_Wall		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	2.36E-06	6.17E-04	7.71E-03	1.97E-02	1.83E-02	1.64E-02	1.37E-02	1.15E-02	1.14E-02	1.14E-02	1.06E-02
UB_Wall	0.0	0.0	8.53E-08	8.65E-05	1.17E-03	2.42E-03	2.57E-03	2.41E-03	2.27E-03	2.14E-03	2.06E-03	1.78E-03
Bone_Sur	4.23E-06	1.08E-04	1.07E-03	6.37E-03	1.17E-02	8.06E-03	4.50E-03	3.04E-03	2.73E-03	2.65E-03	2.56E-03	2.20E-03
Brain	0.0	0.0	0.0	1.42E-08	3.57E-06	1.62E-05	3.34E-05	6.78E-05	1.11E-04	1.44E-04	1.72E-04	2.21E-04
Breasts	0.0	6.28E-08	3.99E-05	1.89E-03	3.77E-03	4.41E-03	3.93E-03	4.03E-03	3.88E-03	3.77E-03	3.72E-03	3.73E-03
St_Wall	6.77E+00	4.39E+00	2.78E+00	1.28E+00	5.17E-01	3.03E-01	3.06E-01	3.21E-01	3.03E-01	2.80E-01	2.59E-01	2.02E-01
SI_Wall	2.20E-04	1.09E-03	3.42E-03	1.11E-02	1.74E-02	1.46E-02	1.27E-02	1.16E-02	1.09E-02	9.88E-03	9.19E-03	8.16E-03
ULI_Wall	1.44E-03	6.59E-03	1.94E-02	3.22E-02	3.02E-02	2.29E-02	2.01E-02	1.80E-02	1.61E-02	1.46E-02	1.37E-02	1.12E-02
LLI_Wall	1.21E-10	3.91E-05	8.72E-04	4.96E-03	8.76E-03	8.48E-03	7.59E-03	6.66E-03	5.99E-03	5.49E-03	5.16E-03	4.32E-03
Kidneys	0.0	2.80E-06	5.96E-04	7.87E-03	1.88E-02	1.54E-02	1.29E-02	1.17E-02	1.24E-02	1.09E-02	9.82E-03	8.69E-03
Liver	9.23E-07	6.96E-05	1.49E-03	7.27E-03	1.24E-02	1.12E-02	1.02E-02	8.63E-03	7.73E-03	7.97E-03	8.04E-03	6.71E-03
ET1-bas	0.0	0.0	0.0	2.42E-06	1.00E-04	2.84E-04	4.85E-04	6.85E-04	6.59E-04	7.53E-04	7.84E-04	7.85E-04
ET2-bas	0.0	0.0	0.0	2.42E-06	1.00E-04	2.84E-04	4.85E-04	6.85E-04	6.59E-04	7.53E-04	7.84E-04	7.85E-04
LN-ET	0.0	0.0	0.0	2.42E-06	1.00E-04	2.84E-04	4.85E-04	6.85E-04	6.59E-04	7.53E-04	7.84E-04	7.85E-04
BBi-bas	3.30E-05	4.30E-04	2.65E-03	1.03E-02	1.18E-02	8.82E-03	8.28E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
BBi-sec	3.30E-05	4.30E-04	2.65E-03	1.03E-02	1.18E-02	8.82E-03	8.28E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
bbe-sec	3.30E-05	4.30E-04	2.65E-03	1.03E-02	1.18E-02	8.82E-03	8.28E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
AI	3.30E-05	4.30E-04	2.65E-03	1.03E-02	1.18E-02	8.82E-03	8.28E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
LN-Th	3.30E-05	4.30E-04	2.65E-03	1.03E-02	1.18E-02	8.82E-03	8.28E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
Lng_Tiss	3.30E-05	4.30E-04	2.65E-03	1.03E-02	1.18E-02	8.82E-03	8.28E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
Lung_NP	0.0	0.0	0.0	2.42E-06	1.00E-04	2.84E-04	4.85E-04	6.85E-04	6.59E-04	7.53E-04	7.84E-04	7.85E-04
Lung_TB	3.30E-05	4.30E-04	2.65E-03	1.03E-02	1.18E-02	8.82E-03	8.28E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
Lung_P	3.30E-05	4.30E-04	2.65E-03	1.03E-02	1.18E-02	8.82E-03	8.28E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
Muscle	3.17E-03	7.01E-03	9.12E-03	1.08E-02	1.03E-02	8.82E-03	6.27E-03	5.78E-03	5.76E-03	5.61E-03	5.38E-03	4.50E-03
Ovaries	0.0	8.51E-10	6.06E-06	5.67E-04	3.32E-03	4.73E-03	3.93E-03	4.15E-03	4.11E-03	4.00E-03	3.85E-03	3.23E-03
Pancreas	1.89E-03	4.49E-02	1.20E-01	1.68E-01	1.23E-01	7.63E-02	6.86E-02	6.74E-02	5.86E-02	5.14E-02	4.68E-02	3.99E-02
R_Marrow	1.41E-06	3.21E-05	2.96E-04	1.64E-03	3.56E-03	4.29E-03	4.18E-03	4.41E-03	3.88E-03	3.79E-03	3.72E-03	3.05E-03
Skin	6.30E-06	1.09E-04	8.29E-04	2.78E-03	4.09E-03	3.85E-03	3.49E-03	3.13E-03	2.85E-03	2.63E-03	2.49E-03	2.10E-03
Spleen	2.16E-08	8.12E-04	1.46E-02	6.12E-02	6.82E-02	4.44E-02	3.79E-02	3.75E-02	3.43E-02	2.97E-02	2.66E-02	2.21E-02
Testes	0.0	0.0	0.0	2.40E-06	1.00E-04	3.15E-04	5.21E-04	6.37E-04	7.32E-04	7.95E-04	8.15E-04	7.27E-04
Thymus	0.0	0.0	1.26E-06	3.21E-04	1.57E-03	3.29E-03	3.14E-03	2.76E-03	2.69E-03	2.63E-03	2.60E-03	2.66E-03
Thyroid	0.0	0.0	0.0	2.42E-06	1.00E-04	2.84E-04	4.85E-04	6.59E-04	7.53E-04	7.84E-04	7.85E-04	7.24E-04
GB_Wall	0.0	9.29E-06	1.27E-03	1.61E-02	3.10E-02	2.65E-02	2.23E-02	1.90E-02	1.68E-02	1.52E-02	1.42E-02	1.17E-02
Ht_Wall	1.36E-05	3.97E-04	4.35E-03	1.86E-02	2.40E-02	1.73E-02	1.47E-02	1.56E-02	1.32E-02	1.15E-02	1.07E-02	1.03E-02
Uterus	0.0	0.0	2.13E-06	6.59E-04	2.94E-03	3.44E-03	3.45E-03	3.35E-03	3.70E-03	3.53E-03	3.34E-03	3.08E-03

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = SI_Cont		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	6.74E-10	6.65E-06	8.24E-04	3.66E-03	5.51E-03	4.92E-03	5.00E-03	4.61E-03	4.25E-03	3.60E-03	3.60E-03
UB_Wall1	0.0	2.96E-06	4.84E-04	9.99E-03	1.49E-02	1.55E-02	1.40E-02	1.21E-02	1.06E-02	9.57E-03	8.96E-03	8.23E-03
Bone_Sur	4.99E-04	1.64E-03	4.13E-03	1.22E-02	1.87E-02	1.13E-02	6.20E-03	4.15E-03	3.85E-03	3.35E-03	2.83E-03	2.83E-03
Brain	0.0	0.0	0.0	1.48E-10	2.39E-07	2.33E-06	6.95E-06	1.93E-05	3.82E-05	5.50E-05	7.05E-05	1.26E-04
Breasts	0.0	0.0	7.12E-10	7.54E-06	1.54E-04	4.73E-04	5.07E-04	8.63E-04	9.54E-04	1.03E-03	1.07E-03	9.50E-04
St_Wall1	2.20E-04	1.09E-03	3.42E-03	1.11E-02	1.74E-02	1.46E-02	1.27E-02	1.16E-02	1.09E-02	9.88E-03	9.19E-03	8.16E-03
SI_Wall1	1.01E-01	2.36E-01	2.86E-01	2.41E-01	1.36E-01	8.35E-02	7.43E-02	7.16E-02	6.48E-02	5.87E-02	5.48E-02	4.38E-02
ULI_Wall1	9.92E-02	1.89E-01	2.40E-01	2.24E-01	1.38E-01	8.63E-02	7.82E-02	7.41E-02	6.87E-02	6.33E-02	5.86E-02	4.65E-02
LLI_Wall1	3.61E-02	7.10E-02	9.21E-02	8.77E-02	5.69E-02	3.89E-02	3.65E-02	3.39E-02	2.80E-02	2.50E-02	2.32E-02	1.89E-02
Kidneys	1.11E-07	2.29E-05	1.01E-03	8.01E-03	1.52E-02	1.41E-02	1.31E-02	1.24E-02	1.08E-02	1.07E-02	1.04E-02	7.99E-03
Liver	7.47E-05	2.88E-04	9.33E-04	4.19E-03	8.29E-03	7.89E-03	6.97E-03	6.62E-03	6.52E-03	6.20E-03	5.88E-03	5.09E-03
ET1-bas	0.0	0.0	0.0	2.13E-08	6.12E-06	5.80E-05	7.88E-05	1.18E-04	1.61E-04	1.93E-04	2.19E-04	2.97E-04
ET2-bas	0.0	0.0	0.0	2.13E-08	6.12E-06	5.80E-05	7.88E-05	1.18E-04	1.61E-04	1.93E-04	2.19E-04	2.97E-04
LN-ET	0.0	0.0	0.0	2.13E-08	6.12E-06	5.80E-05	7.88E-05	1.18E-04	1.61E-04	1.93E-04	2.19E-04	2.97E-04
BBi-bas	0.0	0.0	0.0	8.20E-08	7.17E-05	7.50E-04	1.14E-03	1.24E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
BBi-sec	0.0	0.0	0.0	8.20E-08	7.17E-05	7.50E-04	1.14E-03	1.24E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
bbe-sec	0.0	0.0	0.0	8.20E-08	7.17E-05	7.50E-04	1.14E-03	1.24E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
AI	0.0	0.0	0.0	8.20E-08	7.17E-05	7.50E-04	1.14E-03	1.24E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
LN-Th	0.0	0.0	0.0	8.20E-08	7.17E-05	7.50E-04	1.14E-03	1.24E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
Lng_Tiss	0.0	0.0	0.0	8.20E-08	7.17E-05	7.50E-04	1.14E-03	1.24E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
Lung_NP	0.0	0.0	0.0	0.0	2.13E-08	6.12E-06	5.80E-05	7.88E-05	1.18E-04	1.61E-04	1.93E-04	2.19E-04
Lung_TB	0.0	0.0	0.0	8.20E-08	7.17E-05	7.50E-04	1.14E-03	1.24E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
Lung_P	0.0	0.0	0.0	8.20E-08	7.17E-05	7.50E-04	1.14E-03	1.24E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
Muscle	9.40E-04	2.80E-03	5.16E-03	8.67E-03	9.09E-03	9.16E-03	6.54E-03	6.33E-03	5.97E-03	5.67E-03	5.38E-03	4.45E-03
Ovaries	4.19E-03	3.04E-02	7.67E-02	1.17E-01	9.03E-02	5.90E-02	5.27E-02	4.83E-02	4.45E-02	4.10E-02	3.80E-02	3.05E-02
Pancreas	0.0	1.71E-07	8.55E-05	3.33E-03	9.84E-03	1.03E-02	8.96E-03	7.86E-03	7.68E-03	7.17E-03	6.68E-03	5.59E-03
R_Marrow	3.90E-04	1.15E-03	2.62E-03	6.89E-03	1.12E-02	1.09E-02	9.99E-03	1.00E-02	9.22E-03	8.37E-03	7.73E-03	6.32E-03
Skin	2.59E-09	1.33E-06	1.11E-04	8.02E-04	1.81E-03	1.84E-03	1.90E-03	2.10E-03	2.19E-03	2.21E-03	2.18E-03	1.91E-03
Spleen	0.0	6.59E-07	1.07E-04	2.23E-03	6.62E-03	7.17E-03	6.47E-03	6.48E-03	6.11E-03	5.58E-03	5.15E-03	4.12E-03
Testes	0.0	0.0	1.44E-07	1.95E-04	1.29E-03	2.26E-03	2.27E-03	2.48E-03	2.70E-03	2.53E-03	2.34E-03	1.94E-03
Thymus	0.0	0.0	0.0	2.37E-06	1.47E-04	3.22E-04	4.57E-04	5.70E-04	6.83E-04	7.45E-04	7.79E-04	8.23E-04
Thyroid	0.0	0.0	0.0	0.0	2.13E-08	6.12E-06	5.80E-05	7.88E-05	1.18E-04	1.61E-04	1.93E-04	2.19E-04
GB_Wall1	2.07E-04	2.00E-03	9.97E-03	2.82E-02	3.77E-02	2.87E-02	2.48E-02	2.56E-02	1.94E-02	1.61E-02	1.46E-02	1.33E-02
Ht_Wall1	0.0	0.0	0.0	5.46E-08	5.02E-05	7.82E-04	1.47E-03	1.54E-03	1.67E-03	1.80E-03	1.74E-03	1.65E-03
Uterus	2.78E-04	4.50E-03	3.25E-02	8.73E-02	7.86E-02	5.39E-02	4.62E-02	4.29E-02	3.86E-02	3.51E-02	3.24E-02	2.63E-02

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = SI_Wall		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	6.74E-10	6.65E-06	8.24E-04	3.66E-03	5.51E-03	4.92E-03	5.00E-03	4.61E-03	4.25E-03	3.60E-03	3.60E-03
UB_Wall	0.0	2.96E-06	4.84E-04	9.99E-03	1.49E-02	1.55E-02	1.40E-02	1.21E-02	1.06E-02	9.57E-03	8.96E-03	8.23E-03
Bone_Sur	4.99E-04	1.64E-03	4.13E-03	1.22E-02	1.87E-02	1.13E-02	6.20E-03	4.15E-03	3.85E-03	3.35E-03	2.83E-03	2.83E-03
Brain	0.0	0.0	0.0	1.48E-10	2.39E-07	2.33E-06	6.95E-06	1.93E-05	3.82E-05	5.50E-05	7.05E-05	1.26E-04
Breasts	0.0	0.0	7.12E-10	7.54E-06	1.54E-04	4.73E-04	5.07E-04	8.63E-04	9.54E-04	1.03E-03	1.07E-03	9.50E-04
St_Wall	2.20E-04	1.09E-03	3.42E-03	1.11E-02	1.74E-02	1.46E-02	1.27E-02	1.16E-02	1.09E-02	9.88E-03	9.19E-03	8.16E-03
SI_Wall	1.01E-01	2.36E-01	2.86E-01	2.41E-01	1.36E-01	8.35E-02	7.43E-02	7.16E-02	6.48E-02	5.87E-02	5.48E-02	4.38E-02
ULI_Wall	9.92E-02	1.89E-01	2.40E-01	2.24E-01	1.38E-01	8.63E-02	7.82E-02	7.41E-02	6.87E-02	6.33E-02	5.86E-02	4.65E-02
LLI_Wall	3.61E-02	7.10E-02	9.21E-02	8.77E-02	5.69E-02	3.89E-02	3.65E-02	3.39E-02	2.80E-02	2.50E-02	2.32E-02	1.89E-02
Kidneys	1.11E-07	2.29E-05	1.01E-03	8.01E-03	1.52E-02	1.41E-02	1.31E-02	1.24E-02	1.08E-02	1.07E-02	1.04E-02	7.99E-03
Liver	7.47E-05	2.88E-04	9.33E-04	4.19E-03	8.29E-03	7.89E-03	6.97E-03	6.62E-03	6.52E-03	6.20E-03	5.88E-03	5.09E-03
ET1-bas	0.0	0.0	0.0	2.13E-08	6.12E-06	5.80E-05	7.88E-05	1.18E-04	1.61E-04	1.93E-04	2.19E-04	2.97E-04
ET2-bas	0.0	0.0	0.0	2.13E-08	6.12E-06	5.80E-05	7.88E-05	1.18E-04	1.61E-04	1.93E-04	2.19E-04	2.97E-04
LN-ET	0.0	0.0	0.0	2.13E-08	6.12E-06	5.80E-05	7.88E-05	1.18E-04	1.61E-04	1.93E-04	2.19E-04	2.97E-04
BBi-bas	0.0	0.0	0.0	8.20E-08	7.17E-05	7.50E-04	1.14E-03	1.24E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
BBi-sec	0.0	0.0	0.0	8.20E-08	7.17E-05	7.50E-04	1.14E-03	1.24E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
bbe-sec	0.0	0.0	0.0	8.20E-08	7.17E-05	7.50E-04	1.14E-03	1.24E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
AI	0.0	0.0	0.0	8.20E-08	7.17E-05	7.50E-04	1.14E-03	1.24E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
LN-Th	0.0	0.0	0.0	8.20E-08	7.17E-05	7.50E-04	1.14E-03	1.24E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
Lng_Tiss	0.0	0.0	0.0	8.20E-08	7.17E-05	7.50E-04	1.14E-03	1.24E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
Lung_NP	0.0	0.0	0.0	0.0	2.13E-08	6.12E-06	5.80E-05	7.88E-05	1.18E-04	1.61E-04	1.93E-04	2.19E-04
Lung_TB	0.0	0.0	0.0	8.20E-08	7.17E-05	7.50E-04	1.14E-03	1.24E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
Lung_P	0.0	0.0	0.0	8.20E-08	7.17E-05	7.50E-04	1.14E-03	1.24E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
Muscle	9.40E-04	2.80E-03	5.16E-03	8.67E-03	9.09E-03	9.16E-03	6.54E-03	6.33E-03	5.97E-03	5.67E-03	5.38E-03	4.45E-03
Ovaries	4.19E-03	3.04E-02	7.67E-02	1.17E-01	9.03E-02	5.90E-02	5.27E-02	4.83E-02	4.45E-02	4.10E-02	3.80E-02	3.05E-02
Pancreas	0.0	1.71E-07	8.55E-05	3.33E-03	9.84E-03	1.03E-02	8.96E-03	7.86E-03	7.68E-03	7.17E-03	6.68E-03	5.59E-03
R_Marrow	3.90E-04	1.15E-03	2.62E-03	6.89E-03	1.12E-02	1.09E-02	9.99E-03	1.00E-02	9.22E-03	8.37E-03	7.73E-03	6.32E-03
Skin	2.59E-09	1.33E-06	1.11E-04	8.02E-04	1.81E-03	1.84E-03	1.90E-03	2.10E-03	2.19E-03	2.21E-03	2.18E-03	1.91E-03
Spleen	0.0	6.59E-07	1.07E-04	2.23E-03	6.62E-03	7.17E-03	6.47E-03	6.48E-03	6.11E-03	5.58E-03	5.15E-03	4.12E-03
Testes	0.0	0.0	1.44E-07	1.95E-04	1.29E-03	2.26E-03	2.27E-03	2.48E-03	2.70E-03	2.53E-03	2.34E-03	1.94E-03
Thymus	0.0	0.0	0.0	2.37E-06	1.47E-04	3.22E-04	4.57E-04	5.70E-04	6.83E-04	7.45E-04	7.79E-04	8.23E-04
Thyroid	0.0	0.0	0.0	0.0	2.13E-08	6.12E-06	5.80E-05	7.88E-05	1.18E-04	1.61E-04	1.93E-04	2.19E-04
GB_Wall	2.07E-04	2.00E-03	9.97E-03	2.82E-02	3.77E-02	2.87E-02	2.48E-02	2.56E-02	1.94E-02	1.61E-02	1.46E-02	1.33E-02
Ht_Wall	0.0	0.0	0.0	5.46E-08	5.02E-05	7.82E-04	1.47E-03	1.54E-03	1.67E-03	1.80E-03	1.74E-03	1.65E-03
Uterus	2.78E-04	4.50E-03	3.25E-02	8.73E-02	7.86E-02	5.39E-02	4.62E-02	4.29E-02	3.86E-02	3.51E-02	3.24E-02	2.63E-02

Specific Absorbed Fraction of Photon Energy in kg⁻¹: Recommended Values for Age 15 Male or Adult Female

Source = ULI_Cont

		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	2.27E-10	6.42E-06	9.11E-04	4.42E-03	6.51E-03	5.82E-03	5.55E-03	5.93E-03	5.84E-03	5.50E-03	4.10E-03
UB_Wall	0.0	2.26E-06	3.13E-04	4.50E-03	1.02E-02	1.17E-02	9.63E-03	9.37E-03	9.40E-03	8.77E-03	8.06E-03	6.01E-03
Bone_Sur	6.23E-05	5.92E-04	2.92E-03	1.05E-02	1.57E-02	9.57E-03	5.41E-03	3.58E-03	3.11E-03	2.89E-03	2.54E-03	
Brain	0.0	0.0	0.0	2.40E-10	3.21E-07	2.87E-06	8.17E-06	2.23E-05	4.39E-05	6.21E-05	7.94E-05	1.14E-04
Breasts	0.0	0.0	2.09E-09	1.46E-05	2.43E-04	6.31E-04	7.06E-04	8.23E-04	1.06E-03	1.15E-03	1.18E-03	1.20E-03
St_Wall	8.71E-04	4.05E-03	1.20E-02	2.72E-02	2.60E-02	2.00E-02	1.88E-02	1.68E-02	1.47E-02	1.42E-02	1.37E-02	1.14E-02
SI_Wall	7.40E-03	6.56E-02	1.52E-01	1.89E-01	1.25E-01	7.83E-02	7.08E-02	6.64E-02	6.14E-02	5.57E-02	5.12E-02	4.10E-02
ULI_Wall	4.78E-01	1.00E+00	1.07E+00	6.89E-01	3.13E-01	1.86E-01	1.80E-01	1.79E-01	1.66E-01	1.51E-01	1.39E-01	1.11E-01
LLI_Wall	5.36E-04	4.92E-03	1.38E-02	2.30E-02	2.07E-02	1.54E-02	1.41E-02	1.27E-02	1.11E-02	1.06E-02	1.02E-02	8.73E-03
Kidneys	0.0	9.29E-07	3.74E-04	6.27E-03	1.40E-02	1.35E-02	1.15E-02	1.12E-02	1.04E-02	9.02E-03	8.27E-03	8.12E-03
Liver	6.50E-06	1.96E-04	2.20E-03	9.93E-03	1.52E-02	1.25E-02	1.12E-02	1.08E-02	9.89E-03	9.10E-03	8.53E-03	7.33E-03
ET1-bas	0.0	0.0	0.0	3.57E-08	8.36E-06	5.40E-05	1.10E-04	1.96E-04	2.58E-04	2.58E-04	2.94E-04	3.20E-04
ET2-bas	0.0	0.0	0.0	3.57E-08	8.36E-06	5.40E-05	1.10E-04	1.96E-04	2.58E-04	2.58E-04	2.94E-04	3.23E-04
LN-ET	0.0	0.0	0.0	3.57E-08	8.36E-06	5.40E-05	1.10E-04	1.96E-04	2.58E-04	2.58E-04	2.94E-04	3.23E-04
BBi-bas	0.0	0.0	0.0	1.61E-07	9.66E-05	8.18E-04	1.48E-03	1.48E-03	1.82E-03	1.90E-03	1.89E-03	1.56E-03
BBi-sec	0.0	0.0	0.0	1.61E-07	9.66E-05	8.18E-04	1.48E-03	1.48E-03	1.82E-03	1.90E-03	1.89E-03	1.56E-03
bbe-sec	0.0	0.0	0.0	1.61E-07	9.66E-05	8.18E-04	1.48E-03	1.48E-03	1.82E-03	1.90E-03	1.89E-03	1.56E-03
AI	0.0	0.0	0.0	1.61E-07	9.66E-05	8.18E-04	1.48E-03	1.48E-03	1.82E-03	1.90E-03	1.89E-03	1.56E-03
LN-Th	0.0	0.0	0.0	1.61E-07	9.66E-05	8.18E-04	1.48E-03	1.48E-03	1.71E-03	1.71E-03	1.82E-03	1.56E-03
Ing_Tiss	0.0	0.0	0.0	1.61E-07	9.66E-05	8.18E-04	1.48E-03	1.48E-03	1.71E-03	1.71E-03	1.82E-03	1.56E-03
Lung_NP	0.0	0.0	0.0	3.57E-08	8.36E-06	5.40E-05	1.10E-04	1.96E-04	2.58E-04	2.58E-04	2.94E-04	3.23E-04
Lung_TB	0.0	0.0	0.0	1.61E-07	9.66E-05	8.18E-04	1.48E-03	1.48E-03	1.71E-03	1.71E-03	1.82E-03	1.56E-03
Lung_P	0.0	0.0	0.0	1.61E-07	9.66E-05	8.18E-04	1.48E-03	1.48E-03	1.71E-03	1.71E-03	1.82E-03	1.56E-03
Muscle	9.11E-05	1.15E-03	3.93E-03	8.42E-03	8.78E-03	6.83E-03	6.28E-03	6.10E-03	5.71E-03	5.38E-03	5.10E-03	4.26E-03
Ovaries	4.42E-04	2.68E-02	8.34E-02	1.05E-01	7.07E-02	4.87E-02	4.37E-02	4.10E-02	3.96E-02	3.50E-02	3.15E-02	2.63E-02
Pancreas	0.0	2.31E-07	1.62E-04	4.03E-03	1.32E-03	1.25E-02	1.06E-02	9.51E-03	8.96E-03	8.46E-03	7.98E-03	6.57E-03
R_Marrow	6.66E-06	3.97E-04	2.01E-03	5.90E-03	8.88E-03	8.63E-03	8.06E-03	8.20E-03	7.65E-03	6.90E-03	6.35E-03	5.30E-03
Skin	0.0	1.92E-06	1.64E-04	1.13E-03	1.95E-03	1.84E-03	1.93E-03	2.15E-03	2.22E-03	2.13E-03	1.62E-03	
Spleen	0.0	2.09E-07	9.59E-05	2.06E-03	7.10E-03	7.13E-03	6.30E-03	6.09E-03	5.79E-03	5.08E-03	4.67E-03	4.57E-03
Testes	0.0	0.0	1.81E-07	1.26E-04	9.29E-04	1.81E-03	1.69E-03	1.78E-03	2.05E-03	2.05E-03	2.02E-03	2.10E-03
Thymus	0.0	0.0	1.37E-10	4.33E-06	2.03E-04	3.94E-04	5.32E-04	6.72E-04	7.54E-04	7.95E-04	8.18E-04	8.44E-04
Thyroid	0.0	0.0	0.0	3.57E-08	8.36E-06	5.40E-05	1.10E-04	1.96E-04	2.58E-04	2.94E-04	3.20E-04	3.23E-04
GB_Wall	1.56E-05	8.07E-03	3.91E-02	8.91E-02	8.07E-02	4.80E-02	4.59E-02	4.19E-02	3.68E-02	3.20E-02	2.87E-02	2.33E-02
Ht_Wall	0.0	0.0	1.36E-07	8.40E-05	1.10E-03	2.10E-03	2.20E-03	2.20E-03	2.15E-03	2.10E-03	2.00E-03	
Uterus	0.0	4.10E-05	2.61E-03	2.23E-02	3.51E-02	2.83E-02	2.35E-02	2.10E-02	1.88E-02	1.80E-02	1.72E-02	1.37E-02

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = ULI_Wall

	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	4.27E-10	7.82E-06	1.08E-03	4.04E-03	6.42E-03	5.92E-03	5.89E-03	5.74E-03	5.20E-03	4.79E-03	4.12E-03
UB_Wall	3.88E-09	2.95E-06	3.27E-04	5.22E-03	1.37E-02	1.41E-02	1.23E-02	1.05E-02	9.31E-03	8.47E-03	7.93E-03	6.58E-03
Bone_Sur	6.23E-05	5.92E-04	2.92E-03	1.05E-02	1.57E-02	9.57E-03	5.41E-03	3.58E-03	3.11E-03	2.89E-03	2.54E-03	2.54E-03
Brain	0.0	0.0	0.0	2.49E-10	3.27E-07	2.90E-06	8.25E-06	2.23E-05	4.41E-05	6.23E-05	7.95E-05	1.14E-04
Breasts	0.0	0.0	0.0	2.37E-09	1.51E-05	2.53E-04	8.52E-04	9.72E-04	1.06E-03	1.11E-03	1.12E-03	1.09E-03
St_Wall	1.44E-03	6.59E-03	1.94E-03	3.22E-02	3.02E-02	2.29E-02	2.01E-02	1.80E-02	1.61E-02	1.46E-02	1.37E-02	1.12E-02
SI_Wall	9.92E-02	1.89E-01	2.40E-01	2.24E-01	1.38E-01	8.63E-02	7.82E-02	7.41E-02	6.87E-02	6.33E-02	5.86E-02	4.65E-02
ULI_Wall	4.72E+00	3.07E+00	1.96E+00	9.25E-01	3.83E-01	2.27E-01	2.29E-01	2.40E-01	2.24E-01	2.03E-01	1.86E-01	1.47E-01
LLI_Wall	6.44E-03	1.36E-02	2.31E-02	2.66E-02	2.28E-02	1.81E-02	1.63E-02	1.47E-02	1.32E-02	1.20E-02	1.12E-02	9.27E-03
Kidneys	0.0	2.08E-06	4.30E-04	6.79E-03	1.50E-02	1.36E-02	1.22E-02	1.16E-02	9.61E-03	9.54E-03	9.44E-03	7.42E-03
Liver	1.17E-05	2.65E-04	2.42E-03	1.07E-02	1.45E-02	1.22E-02	1.10E-02	1.00E-02	9.77E-03	9.00E-03	8.47E-03	8.08E-03
ET1-bas	0.0	0.0	0.0	3.68E-08	8.45E-06	5.42E-05	1.12E-04	1.94E-04	2.59E-04	2.95E-04	3.21E-04	3.24E-04
ET2-bas	0.0	0.0	0.0	3.68E-08	8.45E-06	5.42E-05	1.12E-04	1.94E-04	2.59E-04	2.95E-04	3.21E-04	3.24E-04
LN-ET	0.0	0.0	0.0	3.68E-08	8.45E-06	5.42E-05	1.12E-04	1.94E-04	2.59E-04	2.95E-04	3.21E-04	3.24E-04
BBi-bas	0.0	0.0	0.0	1.88E-07	1.16E-04	1.08E-03	1.36E-03	1.43E-03	1.49E-03	1.56E-03	1.54E-03	1.49E-03
BBi-sec	0.0	0.0	0.0	1.88E-07	1.16E-04	1.08E-03	1.36E-03	1.43E-03	1.49E-03	1.56E-03	1.54E-03	1.49E-03
bbe-sec	0.0	0.0	0.0	1.88E-07	1.16E-04	1.08E-03	1.36E-03	1.43E-03	1.49E-03	1.56E-03	1.54E-03	1.49E-03
AI	0.0	0.0	0.0	1.88E-07	1.16E-04	1.08E-03	1.36E-03	1.43E-03	1.49E-03	1.56E-03	1.54E-03	1.49E-03
LN-Th	0.0	0.0	0.0	1.88E-07	1.16E-04	1.08E-03	1.36E-03	1.43E-03	1.49E-03	1.56E-03	1.54E-03	1.49E-03
Lng_Tiss	0.0	0.0	0.0	1.88E-07	1.16E-04	1.08E-03	1.36E-03	1.43E-03	1.49E-03	1.56E-03	1.54E-03	1.49E-03
Lung_NP	0.0	0.0	0.0	0.0	3.68E-08	8.45E-06	5.42E-05	1.12E-04	1.94E-04	2.59E-04	2.95E-04	3.21E-04
Lung_TB	0.0	0.0	0.0	1.88E-07	1.16E-04	1.08E-03	1.36E-03	1.43E-03	1.49E-03	1.56E-03	1.54E-03	1.49E-03
Lung_P	0.0	0.0	0.0	1.88E-07	1.16E-04	1.08E-03	1.36E-03	1.43E-03	1.49E-03	1.56E-03	1.54E-03	1.49E-03
Muscle	9.11E-04	3.35E-03	5.31E-03	8.13E-03	9.36E-03	7.84E-03	1.36E-03	1.43E-03	1.49E-03	1.56E-03	1.54E-03	1.49E-03
Ovaries	3.50E-02	1.08E-01	1.46E-01	1.29E-01	7.92E-03	5.33E-02	5.03E-02	4.57E-02	4.31E-02	3.96E-02	3.67E-02	3.04E-02
Pancreas	0.0	3.66E-07	1.86E-04	4.44E-03	1.34E-02	1.22E-02	1.02E-02	8.65E-03	8.62E-03	8.05E-03	7.52E-03	6.57E-03
R_Marrow	6.66E-06	3.97E-04	2.01E-03	5.90E-03	8.88E-03	8.63E-03	8.06E-03	7.65E-03	6.90E-03	6.35E-03	5.30E-03	5.30E-03
Skin	0.0	3.92E-06	1.90E-04	1.66E-03	3.51E-03	3.62E-03	3.29E-03	2.92E-03	2.66E-03	2.46E-03	2.33E-03	1.98E-03
Spleen	0.0	3.53E-07	1.14E-04	2.67E-03	6.21E-03	7.29E-03	5.77E-03	6.55E-03	6.46E-03	5.78E-03	5.29E-03	4.49E-03
Testes	0.0	0.0	1.86E-07	1.26E-04	9.06E-04	1.66E-03	1.73E-03	1.97E-03	2.19E-03	2.21E-03	2.18E-03	2.10E-03
Thymus	0.0	1.58E-10	4.43E-06	2.78E-04	3.40E-04	4.14E-04	5.28E-04	6.25E-04	6.85E-04	7.29E-04	8.43E-04	8.43E-04
Thyroid	0.0	0.0	0.0	3.68E-08	8.45E-06	5.42E-05	1.12E-04	1.94E-04	2.59E-04	2.95E-04	3.21E-04	3.24E-04
GB_Wall	4.44E-04	1.82E-02	5.52E-02	8.03E-02	5.38E-02	4.66E-02	4.21E-02	3.77E-02	3.42E-02	3.18E-02	2.61E-02	
Ht_Wall	0.0	0.0	1.57E-07	1.21E-04	7.06E-04	1.92E-03	2.05E-03	2.06E-03	2.31E-03	2.40E-03	2.37E-03	2.00E-03
Uterus	8.95E-10	1.21E-04	3.68E-03	2.40E-02	3.62E-02	2.96E-02	2.52E-02	2.21E-02	1.99E-02	1.85E-02	1.72E-02	1.31E-02

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = LLI_Cont		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	0.0	1.67E-07	1.12E-04	5.39E-04	1.60E-04	2.11E-03	1.97E-03	1.80E-03	1.72E-03	1.69E-03	1.67E-03
UB_Wall1	7.41E-09	4.47E-04	9.43E-03	3.59E-02	4.68E-02	3.30E-02	2.63E-02	2.32E-02	2.10E-02	1.97E-02	1.87E-02	1.65E-02
Bone_Sur	3.93E-05	2.52E-03	1.17E-02	2.60E-02	2.68E-02	1.36E-02	7.37E-03	5.28E-03	4.60E-03	4.13E-03	3.41E-03	3.41E-03
Brain	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Breasts	0.0	0.0	1.01E-10	2.01E-06	4.67E-05	9.24E-04	2.55E-04	3.79E-04	4.79E-04	5.41E-04	5.82E-04	6.43E-04
St_Wall1	2.26E-10	4.57E-05	1.05E-03	5.27E-03	9.53E-03	9.15E-03	8.17E-03	7.32E-03	6.48E-03	6.56E-03	6.54E-03	5.33E-03
SI_Wall1	2.96E-03	3.39E-02	7.77E-02	9.56E-02	6.77E-02	4.42E-02	4.09E-02	3.83E-02	3.54E-02	3.20E-02	2.93E-02	2.34E-02
ULI_Wall1	8.79E-03	2.82E-02	3.79E-02	3.50E-02	2.80E-02	1.99E-02	1.74E-02	1.75E-02	1.64E-02	1.50E-02	1.37E-02	9.73E-03
LLI_Wall1	7.33E-01	1.45E+00	8.52E-01	3.57E-01	2.15E-01	2.10E-01	2.18E-01	2.18E-01	1.95E-01	1.80E-01	1.68E-01	1.39E-01
Kidneys	0.0	1.91E-08	2.50E-05	1.13E-03	3.37E-03	4.69E-03	4.63E-03	4.31E-03	4.16E-03	4.04E-03	3.91E-03	3.44E-03
Liver	0.0	0.0	1.20E-07	1.03E-04	6.96E-04	1.40E-03	1.47E-03	1.61E-03	1.80E-03	1.72E-03	1.63E-03	1.52E-03
ET1-bas	0.0	0.0	0.0	4.41E-09	1.96E-06	1.74E-05	4.25E-05	8.79E-05	1.30E-04	1.56E-04	1.77E-04	1.93E-04
ET2-bas	0.0	0.0	0.0	4.41E-09	1.96E-06	1.74E-05	4.25E-05	8.79E-05	1.30E-04	1.56E-04	1.77E-04	1.93E-04
LN-ET	0.0	0.0	0.0	4.41E-09	1.96E-06	1.74E-05	4.25E-05	8.79E-05	1.30E-04	1.56E-04	1.77E-04	1.93E-04
BBi-bas	0.0	0.0	6.50E-09	1.34E-05	2.08E-04	4.86E-04	4.68E-04	5.36E-04	7.34E-04	7.78E-04	7.71E-04	7.34E-04
BBi-sec	0.0	0.0	6.50E-09	1.34E-05	2.08E-04	4.86E-04	4.68E-04	5.36E-04	7.34E-04	7.78E-04	7.71E-04	7.34E-04
bbe-sec	0.0	0.0	6.50E-09	1.34E-05	2.08E-04	4.86E-04	4.68E-04	5.36E-04	7.34E-04	7.78E-04	7.71E-04	7.34E-04
AI	0.0	0.0	6.50E-09	1.34E-05	2.08E-04	4.86E-04	4.68E-04	5.36E-04	7.34E-04	7.78E-04	7.71E-04	7.34E-04
LN-Th	0.0	0.0	6.50E-09	1.34E-05	2.08E-04	4.86E-04	4.68E-04	5.36E-04	7.34E-04	7.78E-04	7.71E-04	7.34E-04
Lng_Tiss	0.0	0.0	6.50E-09	1.34E-05	2.08E-04	4.86E-04	4.68E-04	5.36E-04	7.34E-04	7.78E-04	7.71E-04	7.34E-04
Lung_NP	0.0	0.0	0.0	4.41E-09	1.96E-06	1.74E-05	4.25E-05	8.79E-05	1.30E-04	1.56E-04	1.77E-04	1.93E-04
Lung_TB	0.0	0.0	6.50E-09	1.34E-05	2.08E-04	4.86E-04	4.68E-04	5.36E-04	7.34E-04	7.78E-04	7.71E-04	7.34E-04
Lung_P	0.0	0.0	6.50E-09	1.34E-05	2.08E-04	4.86E-04	4.68E-04	5.36E-04	7.34E-04	7.78E-04	7.71E-04	7.34E-04
Muscle	9.67E-05	1.82E-03	5.31E-03	9.90E-03	1.00E-02	4.72E-03	7.11E-03	6.97E-03	6.49E-03	6.07E-03	5.72E-03	4.80E-03
Ovaries	4.55E-03	1.01E-01	2.29E-01	2.38E-01	1.33E-01	8.14E-02	7.96E-02	8.13E-02	7.27E-02	6.31E-02	5.69E-02	4.83E-02
Pancreas	0.0	2.49E-10	3.93E-06	5.31E-04	2.81E-03	4.31E-03	3.49E-03	3.32E-03	2.93E-03	2.77E-03	2.73E-03	2.85E-03
R_Marrow	3.07E-05	1.74E-03	7.60E-03	1.54E-02	1.61E-02	1.34E-02	1.24E-02	1.23E-02	1.08E-02	9.99E-03	9.36E-03	7.43E-03
Skin	1.58E-04	3.96E-04	7.13E-04	1.40E-03	2.19E-03	2.25E-03	2.20E-03	2.30E-03	2.42E-03	2.44E-03	2.39E-03	2.02E-03
Spleen	0.0	9.26E-09	1.73E-05	9.29E-04	3.51E-03	4.46E-03	3.38E-03	3.52E-03	3.47E-03	3.35E-03	3.28E-03	3.22E-03
Testes	0.0	4.42E-06	1.13E-03	6.95E-03	1.29E-02	9.88E-03	9.18E-03	7.90E-03	8.54E-03	8.55E-03	8.21E-03	6.72E-03
Thymus	0.0	0.0	4.74E-07	3.24E-05	1.30E-04	2.20E-04	3.40E-04	4.11E-04	4.50E-04	4.68E-04	4.54E-04	
Thyroid	0.0	0.0	0.0	4.41E-09	1.96E-06	1.74E-05	4.25E-05	8.79E-05	1.30E-04	1.56E-04	1.77E-04	1.93E-04
GB_Wall1	0.0	8.02E-10	7.62E-06	8.42E-04	4.64E-03	6.26E-03	5.02E-03	4.07E-03	3.82E-03	3.78E-03	3.76E-03	3.17E-03
Ht_Wall1	0.0	0.0	4.83E-09	1.48E-05	3.16E-04	4.60E-04	6.14E-04	7.80E-04	8.72E-04	9.16E-04	9.45E-04	1.01E-03
Uterus	0.0	4.98E-05	4.61E-03	3.33E-02	5.14E-02	3.66E-02	3.18E-02	2.82E-02	2.54E-02	2.39E-02	2.22E-02	1.59E-02

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = LLI_Wall	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	0.0	1.31E-07	8.52E-05	4.14E-04	1.15E-03	1.44E-03	1.43E-03	1.40E-03	1.41E-03	1.42E-03	1.44E-03
UB_Wall1	1.77E-07	1.26E-03	1.49E-02	5.28E-02	5.95E-02	4.28E-02	3.63E-02	3.19E-02	2.83E-02	2.56E-02	2.39E-02	1.96E-02
Bone_Sur	3.93E-05	2.52E-03	1.17E-02	2.60E-02	2.68E-02	1.36E-02	7.37E-03	5.28E-03	4.60E-03	4.13E-03	4.13E-03	3.41E-03
Brain	0.0	0.0	0.0	0.0	0.0	6.01E-08	7.53E-07	2.60E-06	8.68E-06	2.00E-05	3.05E-05	4.11E-05
Breasts	0.0	0.0	0.0	1.51E-06	5.55E-05	1.77E-04	2.87E-04	4.10E-04	4.83E-04	5.23E-04	5.40E-04	5.14E-04
St_Wall1	1.21E-10	3.91E-05	8.72E-04	4.96E-03	8.76E-03	8.48E-03	7.59E-03	6.10E-03	5.99E-03	5.49E-03	5.16E-03	4.32E-03
SI_Wall1	3.61E-02	7.10E-02	9.21E-02	8.77E-02	5.69E-02	3.89E-02	3.65E-02	3.39E-02	2.80E-02	2.50E-02	2.32E-02	1.89E-02
ULI_Wall1	6.44E-03	1.36E-02	2.31E-02	2.66E-02	2.28E-02	1.81E-02	1.63E-02	1.47E-02	1.32E-02	1.20E-02	1.12E-02	9.27E-03
LLI_Wall1	6.27E+00	4.07E+00	2.60E+00	1.17E+00	4.57E-01	2.70E-01	2.75E-01	3.00E-01	2.81E-01	2.53E-01	2.31E-01	1.81E-01
Kidneys	0.0	2.67E-08	2.19E-05	6.91E-04	2.29E-03	3.88E-03	3.66E-03	3.35E-03	3.17E-03	3.07E-03	3.01E-03	2.92E-03
Liver	0.0	0.0	8.80E-08	5.79E-05	8.00E-04	1.02E-03	1.22E-03	1.36E-03	1.40E-03	1.41E-03	1.42E-03	1.45E-03
ET1-bas	0.0	0.0	0.0	3.22E-09	1.48E-06	1.37E-05	3.44E-05	7.34E-05	1.11E-04	1.35E-04	1.35E-04	1.72E-04
ET2-bas	0.0	0.0	0.0	3.22E-09	1.48E-06	1.37E-05	3.44E-05	7.34E-05	1.11E-04	1.35E-04	1.35E-04	1.72E-04
LN-ET	0.0	0.0	0.0	3.22E-09	1.48E-06	1.37E-05	3.44E-05	7.34E-05	1.11E-04	1.35E-04	1.35E-04	1.72E-04
BBi-bas	0.0	0.0	4.43E-09	9.80E-06	1.77E-04	2.57E-04	3.90E-04	6.22E-04	7.66E-04	7.73E-04	7.38E-04	5.87E-04
BBi-sec	0.0	0.0	4.43E-09	9.80E-06	1.77E-04	2.57E-04	3.90E-04	6.22E-04	7.66E-04	7.73E-04	7.38E-04	5.87E-04
bbe-sec	0.0	0.0	4.43E-09	9.80E-06	1.77E-04	2.57E-04	3.90E-04	6.22E-04	7.66E-04	7.73E-04	7.38E-04	5.87E-04
AI	0.0	0.0	4.43E-09	9.80E-06	1.77E-04	2.57E-04	3.90E-04	6.22E-04	7.66E-04	7.73E-04	7.38E-04	5.87E-04
LN-Th	0.0	0.0	4.43E-09	9.80E-06	1.77E-04	2.57E-04	3.90E-04	6.22E-04	7.66E-04	7.73E-04	7.38E-04	5.87E-04
Lng_Tiss	0.0	0.0	4.43E-09	9.80E-06	1.77E-04	2.57E-04	3.90E-04	6.22E-04	7.66E-04	7.73E-04	7.38E-04	5.87E-04
Lung_NP	0.0	0.0	0.0	3.22E-09	1.48E-06	1.37E-05	3.44E-05	7.34E-05	1.11E-04	1.35E-04	1.35E-04	1.72E-04
Lung_TB	0.0	0.0	4.43E-09	9.80E-06	1.77E-04	2.57E-04	3.90E-04	6.22E-04	7.66E-04	7.73E-04	7.38E-04	5.87E-04
Lung_P	0.0	0.0	4.43E-09	9.80E-06	1.77E-04	2.57E-04	3.90E-04	6.22E-04	7.66E-04	7.73E-04	7.38E-04	5.87E-04
Muscle	2.50E-03	5.30E-03	7.40E-03	1.01E-02	1.09E-02	8.83E-03	7.24E-03	6.50E-03	6.20E-03	5.70E-03	5.40E-03	4.56E-03
Ovaries	1.26E-01	2.15E-01	2.53E-01	2.09E-01	1.18E-01	7.44E-02	7.03E-02	6.90E-02	6.27E-02	5.66E-02	5.20E-02	4.27E-02
Pancreas	0.0	1.85E-10	2.80E-06	4.70E-04	2.40E-03	3.26E-03	2.71E-03	2.99E-03	3.01E-03	3.01E-03	2.93E-03	2.38E-03
R_Marrow	3.07E-05	1.74E-03	7.60E-03	1.54E-02	1.61E-02	1.34E-02	1.24E-02	1.23E-02	1.08E-02	9.99E-03	9.36E-03	7.43E-03
Skin	1.34E-05	8.55E-05	3.18E-04	2.03E-03	4.14E-03	4.15E-03	3.73E-03	3.29E-03	2.98E-03	2.75E-03	2.60E-03	2.20E-03
Spleen	0.0	8.07E-09	1.30E-05	1.11E-03	2.59E-03	3.41E-03	3.27E-03	3.19E-03	2.85E-03	2.70E-03	2.65E-03	2.67E-03
Testes	0.0	1.36E-05	1.71E-03	1.10E-02	1.89E-02	1.40E-02	1.35E-02	1.29E-02	1.15E-02	1.07E-02	1.01E-02	9.05E-03
Thymus	0.0	0.0	3.60E-07	2.50E-05	1.05E-04	1.80E-04	2.83E-04	3.51E-04	3.88E-04	4.05E-04	4.01E-04	
Thyroid	0.0	0.0	0.0	3.22E-09	1.48E-06	1.37E-05	3.44E-05	7.34E-05	1.11E-04	1.35E-04	1.35E-04	1.72E-04
GB_Wall1	0.0	1.06E-09	6.86E-06	7.34E-04	3.88E-03	5.39E-03	5.09E-03	4.49E-03	4.07E-03	3.76E-03	3.56E-03	3.01E-03
Ht_Wall1	0.0	0.0	3.74E-09	1.13E-05	2.20E-04	3.43E-04	5.21E-04	7.60E-04	8.66E-04	8.78E-04	8.67E-04	7.98E-04
Uterus	0.0	7.97E-05	4.66E-03	2.96E-02	4.58E-02	3.48E-02	2.84E-02	2.40E-02	2.20E-02	2.17E-02	2.13E-02	1.92E-02

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = Kidneys		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	1.13E-03	2.06E-02	6.08E-02	8.99E-02	6.96E-02	4.91E-02	4.52E-02	4.25E-02	4.01E-02	3.70E-02	3.42E-02	2.70E-02
UB_Wall1	0.0	0.0	2.62E-08	5.58E-05	7.25E-04	2.02E-03	1.88E-03	1.83E-03	1.87E-03	1.85E-03	1.60E-03	1.60E-03
Bone_Sur	7.74E-05	9.02E-04	5.15E-03	1.82E-02	2.38E-02	1.28E-02	1.15E-03	5.27E-03	4.32E-03	4.56E-03	4.32E-03	3.57E-03
Brain	0.0	0.0	0.0	4.26E-09	1.87E-06	1.30E-05	2.35E-05	5.67E-05	9.60E-05	1.25E-04	1.50E-04	2.23E-04
Breasts	0.0	0.0	1.66E-08	6.10E-04	1.30E-03	1.38E-03	1.48E-03	1.48E-03	1.60E-03	1.66E-03	1.66E-03	1.52E-03
St_Wall1	0.0	2.80E-06	5.96E-04	7.87E-03	1.88E-02	1.54E-02	1.29E-02	1.17E-02	1.24E-02	1.09E-02	9.82E-03	8.69E-03
SI_Wall1	1.11E-07	2.29E-05	1.01E-03	8.01E-03	1.52E-02	1.41E-02	1.31E-02	1.24E-02	1.08E-02	1.04E-02	7.99E-03	7.99E-03
ULI_Wall1	0.0	2.08E-06	4.30E-04	6.79E-03	1.50E-02	1.36E-02	1.22E-02	1.16E-02	9.61E-03	9.54E-03	9.44E-03	7.42E-03
LLI_Wall1	0.0	2.67E-08	2.19E-05	6.91E-04	2.29E-03	3.88E-03	3.66E-03	3.35E-03	3.17E-03	3.07E-03	3.01E-03	2.92E-03
Kidneys	3.77E+00	3.16E+00	2.33E+00	1.17E+00	4.57E-01	2.66E-01	2.77E-01	2.86E-01	2.64E-01	2.43E-01	2.26E-01	1.84E-01
Liver	6.06E-05	8.32E-04	5.34E-03	1.85E-02	2.27E-02	1.81E-02	1.66E-02	1.55E-02	1.42E-02	1.35E-02	1.27E-02	9.78E-03
ET1-bas	0.0	0.0	0.0	4.16E-07	3.82E-05	1.85E-04	3.50E-04	5.00E-04	5.60E-04	5.00E-04	5.66E-04	5.20E-04
ET2-bas	0.0	0.0	0.0	4.16E-07	3.82E-05	1.85E-04	3.50E-04	5.00E-04	5.60E-04	5.00E-04	5.66E-04	5.20E-04
LN-ET	0.0	0.0	0.0	4.16E-07	3.82E-05	1.85E-04	3.50E-04	5.00E-04	5.60E-04	5.00E-04	5.66E-04	5.20E-04
BBi-bas	3.36E-10	5.80E-07	1.15E-04	2.24E-03	4.73E-03	4.98E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
BBi-sec	3.36E-10	5.80E-07	1.15E-04	2.24E-03	4.73E-03	4.98E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
bbe-sec	3.36E-10	5.80E-07	1.15E-04	2.24E-03	4.73E-03	4.98E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
AI	3.36E-10	5.80E-07	1.15E-04	2.24E-03	4.73E-03	4.98E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
LN-Th	3.36E-10	5.80E-07	1.15E-04	2.24E-03	4.73E-03	4.98E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
Lng_Tiss	3.36E-10	5.80E-07	1.15E-04	2.24E-03	4.73E-03	4.98E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
Lung_NP	0.0	0.0	0.0	4.16E-07	3.82E-05	1.85E-04	3.50E-04	5.00E-04	5.60E-04	5.00E-04	5.66E-04	5.20E-04
Lung_TB	3.36E-10	5.80E-07	1.15E-04	2.24E-03	4.73E-03	4.98E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
Lung_P	3.36E-10	5.80E-07	1.15E-04	2.24E-03	4.73E-03	4.98E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
Muscle	1.69E-03	5.09E-03	8.62E-03	1.03E-02	8.05E-03	6.08E-03	5.86E-03	5.82E-03	5.58E-03	5.24E-03	4.93E-03	4.13E-03
Ovaries	0.0	3.29E-10	5.40E-06	6.40E-04	3.68E-03	5.25E-03	4.79E-03	4.97E-03	4.83E-03	4.55E-03	4.33E-03	3.87E-03
Pancreas	0.0	6.31E-05	4.07E-03	3.02E-02	4.16E-02	3.16E-02	2.71E-02	2.60E-02	2.46E-02	2.27E-02	2.10E-02	1.65E-02
R_Marrow	2.26E-06	3.77E-04	2.17E-03	6.86E-03	1.04E-02	1.00E-02	9.83E-03	1.01E-02	9.16E-03	8.56E-03	8.07E-03	6.58E-03
Skin	2.28E-05	2.47E-04	1.34E-03	3.02E-03	2.65E-03	2.15E-03	2.39E-03	2.66E-03	2.68E-03	2.65E-03	2.56E-03	2.07E-03
Spleen	2.90E-04	1.03E-02	4.78E-02	8.70E-02	6.08E-02	4.26E-02	3.72E-02	3.70E-02	3.54E-02	3.19E-02	2.93E-02	2.47E-02
Testes	0.0	0.0	0.0	1.54E-06	8.52E-05	1.94E-04	3.49E-04	5.59E-04	6.77E-04	7.23E-04	7.46E-04	7.81E-04
Thymus	0.0	0.0	5.08E-09	2.66E-05	4.26E-04	1.33E-03	1.30E-03	1.53E-03	1.65E-03	1.63E-03	1.59E-03	1.49E-03
Thyroid	0.0	0.0	0.0	4.16E-07	3.82E-05	1.85E-04	3.50E-04	5.00E-04	5.60E-04	5.66E-04	5.70E-04	5.20E-04
GB_Wall1	0.0	6.36E-06	1.26E-03	1.86E-02	2.68E-02	2.55E-02	2.10E-02	1.90E-02	1.73E-02	1.62E-02	1.51E-02	1.14E-02
Ht_Wall1	0.0	6.76E-10	6.27E-06	8.02E-04	3.81E-03	5.02E-03	4.88E-03	4.74E-03	4.72E-03	4.23E-03	3.90E-03	3.73E-03
Uterus	0.0	0.0	1.94E-06	6.33E-04	2.81E-03	4.45E-03	3.86E-03	3.83E-03	4.03E-03	3.82E-03	3.68E-03	3.76E-03

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = Liver	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	6.03E-05	4.06E-03	1.83E-02	3.75E-02	3.66E-02	2.68E-02	2.43E-02	2.32E-02	2.15E-02	1.98E-02	1.85E-02	1.53E-02
UB_Wall1	0.0	0.0	1.75E-08	3.07E-05	4.35E-04	7.53E-04	1.07E-03	1.34E-03	1.40E-03	1.41E-03	1.42E-03	1.25E-03
Bone_Sur	1.46E-04	1.17E-03	4.15E-03	1.28E-02	1.73E-02	9.73E-03	5.47E-03	3.88E-03	3.56E-03	3.37E-03	3.20E-03	2.71E-03
Brain	0.0	0.0	0.0	2.67E-08	5.35E-06	5.55E-05	8.48E-05	1.62E-04	2.36E-04	2.66E-04	2.79E-04	2.96E-04
Breasts	0.0	1.17E-07	1.09E-04	1.82E-03	4.60E-03	4.33E-03	4.41E-03	4.57E-03	4.57E-03	4.35E-03	4.35E-03	3.75E-03
St_Wall1	9.23E-07	6.96E-05	1.49E-03	7.27E-03	1.24E-02	1.12E-02	1.02E-02	8.63E-03	7.73E-03	7.97E-03	8.04E-03	6.71E-03
SI_Wall1	7.47E-05	2.88E-04	9.33E-04	4.19E-03	8.29E-03	7.89E-03	6.97E-03	6.62E-03	6.52E-03	6.20E-03	5.88E-03	5.09E-03
ULI_Wall1	1.17E-05	2.65E-04	2.42E-03	1.07E-02	1.45E-02	1.22E-02	1.10E-02	1.00E-02	9.77E-03	9.00E-03	8.47E-03	8.08E-03
LLI_Wall1	0.0	0.0	8.80E-08	5.79E-05	8.00E-04	1.02E-03	1.22E-03	1.36E-03	1.40E-03	1.41E-03	1.42E-03	1.45E-03
Kidneys	6.06E-05	8.32E-04	5.34E-03	1.85E-02	2.27E-02	1.81E-02	1.66E-02	1.55E-02	1.42E-02	1.35E-02	1.27E-02	9.78E-03
Liver	6.85E-01	6.32E-01	5.43E-01	3.64E-01	1.85E-01	1.11E-01	1.06E-01	1.07E-01	9.83E-02	8.96E-02	8.29E-02	6.80E-02
ET1-bas	0.0	0.0	1.42E-10	4.07E-06	2.52E-04	6.58E-04	7.64E-04	8.58E-04	9.32E-04	9.77E-04	9.88E-04	9.19E-04
ET2-bas	0.0	0.0	1.42E-10	4.07E-06	2.52E-04	6.58E-04	7.64E-04	8.58E-04	9.32E-04	9.77E-04	9.88E-04	9.19E-04
LN-ET	0.0	0.0	1.42E-10	4.07E-06	2.52E-04	6.58E-04	7.64E-04	8.58E-04	9.32E-04	9.77E-04	9.88E-04	9.19E-04
BBi-bas	2.48E-04	5.47E-03	1.64E-02	2.60E-02	2.06E-02	1.38E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
BBi-sec	2.48E-04	5.47E-03	1.64E-02	2.60E-02	2.06E-02	1.38E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
bbe-sec	2.48E-04	5.47E-03	1.64E-02	2.60E-02	2.06E-02	1.38E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
AI	2.48E-04	5.47E-03	1.64E-02	2.60E-02	2.06E-02	1.38E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
LN-Th	2.48E-04	5.47E-03	1.64E-02	2.60E-02	2.06E-02	1.38E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
Lng_Tiss	2.48E-04	5.47E-03	1.64E-02	2.60E-02	2.06E-02	1.38E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
Lung_NP	0.0	0.0	1.42E-10	4.07E-06	2.52E-04	6.58E-04	7.64E-04	8.58E-04	9.32E-04	9.77E-04	9.88E-04	9.19E-04
Lung_TB	2.48E-04	5.47E-03	1.64E-02	2.60E-02	2.06E-02	1.38E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
Lung_P	2.48E-04	5.47E-03	1.64E-02	2.60E-02	2.06E-02	1.38E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
Muscle	8.11E-04	2.38E-03	4.37E-03	6.61E-03	6.31E-03	4.92E-03	4.65E-03	4.58E-03	4.40E-03	4.15E-03	3.91E-03	3.30E-03
Ovaries	0.0	1.14E-10	1.72E-06	3.53E-04	1.84E-03	7.70E-03	6.68E-03	5.25E-03	2.76E-03	2.95E-03	2.93E-03	2.23E-03
Pancreas	2.54E-05	6.91E-04	7.19E-03	2.92E-02	3.46E-02	2.59E-02	2.22E-02	2.03E-02	1.88E-02	1.73E-02	1.60E-02	1.26E-02
R_Marrow	4.81E-05	3.20E-04	9.91E-04	2.76E-03	4.49E-03	4.77E-03	4.80E-03	4.99E-03	4.65E-03	4.35E-03	4.11E-03	3.53E-03
Skin	4.08E-06	7.03E-05	5.30E-04	2.01E-03	2.45E-03	2.13E-03	2.26E-03	2.52E-03	2.60E-03	2.53E-03	2.42E-03	2.13E-03
Spleen	0.0	4.95E-09	1.40E-05	1.31E-03	4.63E-03	5.64E-03	5.27E-03	5.36E-03	4.88E-03	4.59E-03	4.32E-03	3.39E-03
Testes	0.0	0.0	0.0	1.01E-06	5.73E-05	1.24E-04	2.14E-04	3.41E-04	4.36E-04	4.93E-04	5.35E-04	6.47E-04
Thymus	0.0	6.96E-10	4.54E-06	7.83E-04	3.46E-03	3.82E-03	3.65E-03	3.92E-03	3.77E-03	3.67E-03	3.58E-03	3.20E-03
Thyroid	0.0	0.0	1.42E-10	4.07E-06	2.52E-04	6.58E-04	7.64E-04	8.58E-04	9.32E-04	9.77E-04	9.88E-04	9.19E-04
GB_Wall1	1.55E-03	2.14E-02	6.58E-02	1.21E-01	9.78E-02	5.31E-02	4.21E-02	4.22E-02	4.07E-02	3.78E-02	3.50E-02	2.71E-02
Ht_Wall1	1.70E-04	1.38E-03	6.12E-03	1.80E-02	2.13E-02	1.59E-02	1.43E-02	1.42E-02	1.24E-02	1.16E-02	1.10E-02	9.07E-03
Uterus	0.0	0.0	3.47E-07	1.60E-04	1.31E-03	2.41E-03	2.25E-03	2.74E-03	2.80E-03	2.75E-03	2.68E-03	2.37E-03

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = ET1-sur	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	0.0	0.0	4.23E-06	1.62E-04	4.64E-04	6.77E-04	8.29E-04	9.64E-04	9.92E-04	1.01E-03	9.15E-04
UB_Wall1	0.0	0.0	0.0	2.56E-10	4.32E-07	6.37E-06	1.95E-05	8.15E-05	1.03E-04	1.22E-04	1.41E-04	
Bone_Sur	1.17E-09	1.25E-04	2.36E-03	1.58E-02	2.47E-02	1.34E-02	7.38E-03	5.23E-03	4.79E-03	4.37E-03	3.72E-03	
Brain	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	7.20E-03	6.62E-03	5.37E-03	
Breasts	0.0	0.0	2.88E-07	2.49E-04	1.48E-03	1.98E-03	2.00E-03	2.38E-03	2.67E-03	2.81E-03	2.83E-03	2.52E-03
St_Wall1	0.0	0.0	0.0	2.42E-06	1.00E-04	2.84E-04	4.85E-04	6.59E-04	7.53E-04	7.84E-04	7.85E-04	7.24E-04
SI_Wall1	0.0	0.0	0.0	2.13E-08	6.12E-06	5.80E-05	7.88E-05	1.18E-04	1.61E-04	1.93E-04	2.19E-04	2.97E-04
ULI_Wall1	0.0	0.0	0.0	3.68E-08	8.45E-06	5.42E-05	1.12E-04	1.94E-04	2.59E-04	2.95E-04	3.21E-04	3.24E-04
LLI_Wall1	0.0	0.0	0.0	3.22E-09	1.48E-06	1.37E-05	3.44E-05	7.34E-05	1.11E-04	1.35E-04	1.55E-04	1.72E-04
Kidneys	0.0	0.0	0.0	4.16E-07	3.82E-05	1.85E-04	3.50E-04	5.00E-04	5.60E-04	5.66E-04	5.70E-04	5.20E-04
Liver	0.0	0.0	1.42E-10	4.07E-06	2.52E-04	6.58E-04	7.64E-04	8.58E-04	9.32E-04	9.77E-04	9.88E-04	9.19E-04
ET1-bas	6.64E+01	4.35E+01	2.60E+01	1.02E+01	3.43E+00	2.03E+00	2.20E+00	2.43E+00	2.29E+00	2.43E+00	2.08E+00	1.90E+00
ET2-bas	6.64E+01	4.35E+01	2.60E+01	1.02E+01	3.43E+00	2.03E+00	2.20E+00	2.43E+00	2.29E+00	2.43E+00	2.08E+00	1.90E+00
LN-ET	6.64E+01	4.35E+01	2.60E+01	1.02E+01	3.43E+00	2.03E+00	2.20E+00	2.43E+00	2.29E+00	2.43E+00	2.08E+00	1.90E+00
BBi-bas	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
BBi-sec	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
bbe-sec	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
AI	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
LN-Th	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
Lng_Tiss	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
Lung_NP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_TB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_P	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Muscle	4.49E-03	1.13E-02	1.64E-02	1.70E-02	1.15E-02	7.67E-03	7.25E-03	7.19E-03	6.72E-03	6.17E-03	5.74E-03	4.77E-03
Ovaries	0.0	0.0	0.0	1.82E-09	1.48E-06	1.58E-05	4.12E-05	8.88E-05	1.34E-04	1.61E-04	1.84E-04	2.01E-04
Pancreas	0.0	0.0	0.0	2.97E-06	1.30E-04	3.80E-04	5.60E-04	7.40E-04	8.80E-04	9.09E-04	9.30E-04	8.30E-04
R_Marrow	2.90E-07	1.79E-05	3.32E-04	2.42E-03	4.76E-03	4.69E-03	4.41E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
Skin	0.0	2.11E-05	4.76E-04	2.47E-03	2.97E-03	2.56E-03	2.94E-03	2.76E-03	2.84E-03	2.66E-03	2.54E-03	2.36E-03
Spleen	0.0	0.0	0.0	1.69E-06	8.84E-05	5.30E-04	8.40E-04	8.70E-04	8.20E-04	7.78E-04	7.50E-04	6.80E-04
Testes	0.0	0.0	0.0	0.0	5.98E-08	1.51E-06	6.05E-06	1.96E-05	3.86E-05	5.29E-05	6.61E-05	8.47E-05
Thymus	0.0	1.68E-07	1.84E-04	6.21E-03	1.24E-02	1.49E-02	1.20E-02	1.11E-02	1.06E-02	9.92E-03	9.27E-03	7.55E-03
Thyroid	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	7.20E-03	6.94E-03	6.62E-03	5.37E-03
GB_Wall1	0.0	0.0	6.75E-07	4.94E-05	1.95E-04	3.22E-04	4.70E-04	5.53E-04	5.89E-04	6.17E-04	5.82E-04	
Ht_Wall1	0.0	5.92E-07	1.91E-04	2.01E-03	2.69E-03	2.62E-03	2.74E-03	2.88E-03	2.99E-03	3.00E-03	2.67E-03	
Uterus	0.0	0.0	1.46E-09	1.30E-06	1.44E-05	3.82E-05	8.35E-05	1.27E-04	1.54E-04	1.76E-04	1.93E-04	

Specific Absorbed Fraction of Photon Energy in kg⁻¹: Recommended Values for Age 15 Male or Adult Female

Source = ET2-sur	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	0.0	0.0	4.23E-06	1.62E-04	4.64E-04	6.77E-04	8.29E-04	9.64E-04	9.92E-04	1.01E-03	9.15E-04
UB_Wall1	0.0	0.0	0.0	2.56E-10	4.32E-07	6.37E-06	1.95E-05	8.15E-05	1.03E-04	1.22E-04	1.41E-04	
Bone_Sur	1.17E-09	1.25E-04	2.36E-03	1.58E-02	2.47E-02	1.34E-02	7.38E-03	5.23E-03	4.79E-03	4.37E-03	3.72E-03	
Brain	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	7.20E-03	6.62E-03	5.37E-03	
Breasts	0.0	0.0	2.88E-07	2.49E-04	1.48E-03	1.98E-03	2.00E-03	2.38E-03	2.67E-03	2.81E-03	2.83E-03	2.52E-03
St_Wall1	0.0	0.0	0.0	2.42E-06	1.00E-04	2.84E-04	4.85E-04	6.59E-04	7.53E-04	7.84E-04	7.85E-04	7.24E-04
SI_Wall1	0.0	0.0	0.0	2.13E-08	6.12E-06	5.80E-05	7.88E-05	1.18E-04	1.61E-04	1.93E-04	2.19E-04	2.97E-04
ULI_Wall1	0.0	0.0	0.0	3.68E-08	8.45E-06	5.42E-05	1.12E-04	1.94E-04	2.59E-04	2.95E-04	3.21E-04	3.24E-04
LLI_Wall1	0.0	0.0	0.0	3.22E-09	1.48E-06	1.37E-05	3.44E-05	7.34E-05	1.11E-04	1.35E-04	1.55E-04	1.72E-04
Kidneys	0.0	0.0	0.0	4.16E-07	3.82E-05	1.85E-04	3.50E-04	5.00E-04	5.60E-04	5.66E-04	5.70E-04	5.20E-04
Liver	0.0	0.0	1.42E-10	4.07E-06	2.52E-04	6.58E-04	7.64E-04	8.58E-04	9.32E-04	9.77E-04	9.88E-04	9.19E-04
ET1-bas	6.64E+01	4.35E+01	2.60E+01	1.02E+01	3.43E+00	2.03E+00	2.20E+00	2.43E+00	2.29E+00	2.43E+00	2.08E+00	1.90E+00
ET2-bas	6.64E+01	4.35E+01	2.60E+01	1.02E+01	3.43E+00	2.03E+00	2.20E+00	2.43E+00	2.29E+00	2.43E+00	2.08E+00	1.90E+00
LN-ET	6.64E+01	4.35E+01	2.60E+01	1.02E+01	3.43E+00	2.03E+00	2.20E+00	2.43E+00	2.29E+00	2.43E+00	2.08E+00	1.90E+00
BBi-bas	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
BBi-sec	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
bbe-sec	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
AI	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
LN-Th	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
Lng_Tiss	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
Lung_NP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_TB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_P	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Muscle	4.49E-03	1.13E-02	1.64E-02	1.70E-02	1.15E-02	7.67E-03	7.25E-03	7.19E-03	6.72E-03	6.17E-03	5.74E-03	4.77E-03
Ovaries	0.0	0.0	0.0	1.82E-09	1.48E-06	1.58E-05	4.12E-05	8.88E-05	1.34E-04	1.61E-04	1.84E-04	2.01E-04
Pancreas	0.0	0.0	0.0	2.97E-06	1.30E-04	3.80E-04	5.60E-04	7.40E-04	8.80E-04	9.09E-04	9.30E-04	8.30E-04
R_Marrow	2.90E-07	1.79E-05	3.32E-04	2.42E-03	4.76E-03	4.69E-03	4.41E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
Skin	0.0	2.11E-05	4.76E-04	2.47E-03	2.97E-03	2.56E-03	2.94E-03	2.76E-03	2.84E-03	2.66E-03	2.54E-03	2.36E-03
Spleen	0.0	0.0	0.0	1.69E-06	8.84E-05	5.30E-04	8.40E-04	8.70E-04	8.20E-04	7.78E-04	7.50E-04	6.80E-04
Testes	0.0	0.0	0.0	0.0	5.98E-08	1.51E-06	6.05E-06	1.96E-05	3.86E-05	5.29E-05	6.61E-05	8.47E-05
Thymus	0.0	1.68E-07	1.84E-04	6.21E-03	1.24E-02	1.49E-02	1.20E-02	1.11E-02	1.06E-02	9.92E-03	9.27E-03	7.55E-03
Thyroid	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	7.20E-03	6.94E-03	6.62E-03	5.37E-03
GB_Wall1	0.0	0.0	0.0	6.75E-07	4.94E-05	1.95E-04	3.22E-04	4.70E-04	5.53E-04	5.89E-04	6.17E-04	5.82E-04
Ht_Wall1	0.0	0.0	5.92E-07	1.91E-04	2.01E-03	2.69E-03	2.62E-03	2.74E-03	2.88E-03	2.99E-03	3.00E-03	2.67E-03
Uterus	0.0	0.0	0.0	1.46E-09	1.30E-06	1.44E-05	3.82E-05	8.35E-05	1.27E-04	1.54E-04	1.76E-04	1.93E-04

Specific Absorbed Fraction of Photon Energy in kg⁻¹: Recommended Values for Age 15 Male or Adult Female

Source = ET2-lnd	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	0.0	0.0	4.23E-06	1.62E-04	4.64E-04	6.77E-04	8.29E-04	9.64E-04	9.92E-04	1.01E-03	9.15E-04
UB_Wall	0.0	0.0	0.0	2.56E-10	4.32E-07	6.37E-06	1.95E-05	8.15E-05	1.03E-04	1.22E-04	1.41E-04	1.41E-04
Bone_Sur	1.17E-09	1.25E-04	2.36E-03	1.58E-02	2.47E-02	1.34E-02	7.38E-03	5.23E-03	4.79E-03	4.37E-03	3.72E-03	3.72E-03
Brain	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	7.20E-03	6.94E-03	6.62E-03	5.37E-03
Breasts	0.0	0.0	2.88E-07	2.49E-04	1.48E-03	1.98E-03	2.00E-03	2.38E-03	2.67E-03	2.81E-03	2.83E-03	2.52E-03
St_Wall	0.0	0.0	0.0	2.42E-06	1.00E-04	2.84E-04	4.85E-04	6.59E-04	7.53E-04	7.84E-04	7.85E-04	7.24E-04
SI_Wall	0.0	0.0	0.0	2.13E-08	6.12E-06	5.80E-05	7.88E-05	1.18E-04	1.61E-04	1.93E-04	2.19E-04	2.97E-04
ULI_Wall	0.0	0.0	0.0	3.68E-08	8.45E-06	5.42E-05	1.12E-04	1.94E-04	2.59E-04	2.95E-04	3.21E-04	3.24E-04
LLI_Wall	0.0	0.0	0.0	3.22E-09	1.48E-06	1.37E-05	3.44E-05	7.34E-05	1.11E-04	1.35E-04	1.55E-04	1.72E-04
Kidneys	0.0	0.0	0.0	4.16E-07	3.82E-05	1.85E-04	3.50E-04	5.00E-04	5.60E-04	5.66E-04	5.70E-04	5.20E-04
Liver	0.0	0.0	1.42E-10	4.07E-06	2.52E-04	6.58E-04	7.64E-04	8.58E-04	9.32E-04	9.77E-04	9.88E-04	9.19E-04
ET1-bas	6.64E+01	4.35E+01	2.60E+01	1.02E+01	3.43E+00	2.03E+00	2.20E+00	2.43E+00	2.29E+00	2.43E+00	2.08E+00	1.90E+00
ET2-bas	6.64E+01	4.35E+01	2.60E+01	1.02E+01	3.43E+00	2.03E+00	2.20E+00	2.43E+00	2.29E+00	2.43E+00	2.08E+00	1.90E+00
LN-ET	6.64E+01	4.35E+01	2.60E+01	1.02E+01	3.43E+00	2.03E+00	2.20E+00	2.43E+00	2.29E+00	2.43E+00	2.08E+00	1.90E+00
BBi-bas	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
BBi-sec	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
bbe-sec	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
AI	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
LN-Th	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
Lng_Tiss	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
Lung_NP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_TB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_P	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Muscle	4.49E-03	1.13E-02	1.64E-02	1.70E-02	1.15E-02	7.67E-03	7.25E-03	7.19E-03	6.72E-03	6.17E-03	5.74E-03	4.77E-03
Ovaries	0.0	0.0	0.0	1.82E-09	1.48E-06	1.58E-05	4.12E-05	8.88E-05	1.34E-04	1.61E-04	1.84E-04	2.01E-04
Pancreas	0.0	0.0	0.0	2.97E-06	1.30E-04	3.80E-04	5.60E-04	7.40E-04	8.80E-04	9.09E-04	9.30E-04	8.30E-04
R_Marrow	2.90E-07	1.79E-05	3.32E-04	2.42E-03	4.76E-03	4.69E-03	4.41E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
Skin	0.0	2.11E-05	4.76E-04	2.47E-03	2.97E-03	2.56E-03	2.94E-03	2.94E-03	2.84E-03	2.66E-03	2.54E-03	2.36E-03
Spleen	0.0	0.0	0.0	1.69E-06	8.84E-05	5.30E-04	8.40E-04	8.70E-04	8.20E-04	7.78E-04	7.50E-04	6.80E-04
Testes	0.0	0.0	0.0	0.0	5.98E-08	1.51E-06	6.05E-06	1.96E-05	3.86E-05	5.29E-05	6.61E-05	8.47E-05
Thymus	0.0	1.68E-07	1.84E-04	6.21E-03	1.24E-02	1.49E-02	1.20E-02	1.11E-02	1.06E-02	9.92E-03	9.27E-03	7.55E-03
Thyroid	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	7.20E-03	6.94E-03	6.62E-03	5.37E-03
GB_Wall	0.0	0.0	0.0	6.75E-07	4.94E-05	1.95E-04	3.22E-04	4.70E-04	5.53E-04	5.89E-04	6.17E-04	5.82E-04
Ht_Wall	0.0	0.0	5.92E-07	1.91E-04	2.01E-03	2.69E-03	2.62E-03	2.74E-03	2.88E-03	2.99E-03	3.00E-03	2.67E-03
Uterus	0.0	0.0	0.0	1.46E-09	1.30E-06	1.44E-05	3.82E-05	8.35E-05	1.27E-04	1.54E-04	1.76E-04	1.93E-04

Specific Absorbed Fraction of Photon Energy in kg⁻¹: Recommended Values for Age 15 Male or Adult Female

Source = ET2-seq

	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	0.0	0.0	4.23E-06	1.62E-04	4.64E-04	6.77E-04	8.29E-04	9.64E-04	9.92E-04	1.01E-03	9.15E-04
UB_Wall1	0.0	0.0	0.0	2.56E-10	4.32E-07	6.37E-06	1.95E-05	8.15E-05	1.03E-04	1.22E-04	1.41E-04	
Bone_Sur	1.17E-09	1.25E-04	2.36E-03	1.58E-02	2.47E-02	1.34E-02	7.38E-03	5.23E-03	4.79E-03	4.37E-03	3.72E-03	
Brain	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	7.20E-03	6.62E-03	5.37E-03	
Breasts	0.0	0.0	2.88E-07	2.49E-04	1.48E-03	1.98E-03	2.00E-03	2.38E-03	2.67E-03	2.81E-03	2.83E-03	2.52E-03
St_Wall1	0.0	0.0	0.0	2.42E-06	1.00E-04	2.84E-04	4.85E-04	6.59E-04	7.53E-04	7.84E-04	7.85E-04	7.24E-04
SI_Wall1	0.0	0.0	0.0	2.13E-08	6.12E-06	5.80E-05	7.88E-05	1.18E-04	1.61E-04	1.93E-04	2.19E-04	2.97E-04
ULI_Wall1	0.0	0.0	0.0	3.68E-08	8.45E-06	5.42E-05	1.12E-04	1.94E-04	2.59E-04	2.95E-04	3.21E-04	3.24E-04
LLI_Wall1	0.0	0.0	0.0	3.22E-09	1.48E-06	1.37E-05	3.44E-05	7.34E-05	1.11E-04	1.35E-04	1.55E-04	1.72E-04
Kidneys	0.0	0.0	0.0	4.16E-07	3.82E-05	1.85E-04	3.50E-04	5.00E-04	5.60E-04	5.66E-04	5.70E-04	5.20E-04
Liver	0.0	0.0	1.42E-10	4.07E-06	2.52E-04	6.58E-04	7.64E-04	8.58E-04	9.32E-04	9.77E-04	9.88E-04	9.19E-04
ET1-bas	6.64E+01	4.35E+01	2.60E+01	1.02E+01	3.43E+00	2.03E+00	2.20E+00	2.43E+00	2.29E+00	2.43E+00	2.08E+00	1.90E+00
ET2-bas	6.64E+01	4.35E+01	2.60E+01	1.02E+01	3.43E+00	2.03E+00	2.20E+00	2.43E+00	2.29E+00	2.43E+00	2.08E+00	1.90E+00
LN-ET	6.64E+01	4.35E+01	2.60E+01	1.02E+01	3.43E+00	2.03E+00	2.20E+00	2.43E+00	2.29E+00	2.43E+00	2.08E+00	1.90E+00
BBi-bas	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
BBi-sec	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
bbe-sec	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
AI	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
LN-Th	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
Lng_Tiss	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
Lung_NP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_TB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_P	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Muscle	4.49E-03	1.13E-02	1.64E-02	1.70E-02	1.15E-02	7.67E-03	7.25E-03	7.19E-03	6.72E-03	6.17E-03	5.74E-03	4.77E-03
Ovaries	0.0	0.0	0.0	1.82E-09	1.48E-06	1.58E-05	4.12E-05	8.88E-05	1.34E-04	1.61E-04	1.84E-04	2.01E-04
Pancreas	0.0	0.0	0.0	2.97E-06	1.30E-04	3.80E-04	5.60E-04	7.40E-04	8.80E-04	9.09E-04	9.30E-04	8.30E-04
R_Marrow	2.90E-07	1.79E-05	3.32E-04	2.42E-03	4.76E-03	4.69E-03	4.41E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
Skin	0.0	2.11E-05	4.76E-04	2.47E-03	2.97E-03	2.56E-03	2.94E-03	2.76E-03	2.84E-03	2.66E-03	2.54E-03	2.36E-03
Spleen	0.0	0.0	0.0	1.69E-06	8.84E-05	5.30E-04	8.40E-04	8.70E-04	8.20E-04	7.78E-04	7.50E-04	6.80E-04
Testes	0.0	0.0	0.0	0.0	5.98E-08	1.51E-06	6.05E-06	1.96E-05	3.86E-05	5.29E-05	6.61E-05	8.47E-05
Thymus	0.0	1.68E-07	1.84E-04	6.21E-03	1.24E-02	1.49E-02	1.20E-02	1.11E-02	1.06E-02	9.92E-03	9.27E-03	7.55E-03
Thyroid	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	7.20E-03	6.94E-03	6.62E-03	5.37E-03
GB_Wall1	0.0	0.0	0.0	6.75E-07	4.94E-05	1.95E-04	3.22E-04	4.70E-04	5.53E-04	5.89E-04	6.17E-04	5.82E-04
Ht_Wall1	0.0	0.0	5.92E-07	1.91E-04	2.01E-03	2.69E-03	2.62E-03	2.74E-03	2.88E-03	2.99E-03	3.00E-03	2.67E-03
Uterus	0.0	0.0	0.0	1.46E-09	1.30E-06	1.44E-05	3.82E-05	8.35E-05	1.27E-04	1.54E-04	1.76E-04	1.93E-04

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = LN-ET	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	0.0	0.0	4.23E-06	1.62E-04	4.64E-04	6.77E-04	8.29E-04	9.64E-04	9.92E-04	1.01E-03	9.15E-04
UB_Wall1	0.0	0.0	0.0	2.56E-10	4.32E-07	6.37E-06	1.95E-05	8.15E-05	1.03E-04	1.22E-04	1.41E-04	
Bone_Sur	1.17E-09	1.25E-04	2.36E-03	1.58E-02	2.47E-02	1.34E-02	7.38E-03	5.23E-03	4.79E-03	4.37E-03	3.72E-03	
Brain	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	7.20E-03	6.62E-03	5.37E-03	
Breasts	0.0	0.0	2.88E-07	2.49E-04	1.48E-03	1.98E-03	2.00E-03	2.38E-03	2.67E-03	2.81E-03	2.83E-03	2.52E-03
St_Wall1	0.0	0.0	0.0	2.42E-06	1.00E-04	2.84E-04	4.85E-04	6.59E-04	7.53E-04	7.84E-04	7.85E-04	7.24E-04
SI_Wall1	0.0	0.0	0.0	2.13E-08	6.12E-06	5.80E-05	7.88E-05	1.18E-04	1.61E-04	1.93E-04	2.19E-04	2.97E-04
ULI_Wall1	0.0	0.0	0.0	3.68E-08	8.45E-06	5.42E-05	1.12E-04	1.94E-04	2.59E-04	2.95E-04	3.21E-04	3.24E-04
LLI_Wall1	0.0	0.0	0.0	3.22E-09	1.48E-06	1.37E-05	3.44E-05	7.34E-05	1.11E-04	1.35E-04	1.55E-04	1.72E-04
Kidneys	0.0	0.0	0.0	4.16E-07	3.82E-05	1.85E-04	3.50E-04	5.00E-04	5.60E-04	5.66E-04	5.70E-04	5.20E-04
Liver	0.0	0.0	1.42E-10	4.07E-06	2.52E-04	6.58E-04	7.64E-04	8.58E-04	9.32E-04	9.77E-04	9.88E-04	9.19E-04
ET1-bas	6.64E+01	4.35E+01	2.60E+01	1.02E+01	3.43E+00	2.03E+00	2.20E+00	2.43E+00	2.29E+00	2.43E+00	2.08E+00	1.90E+00
ET2-bas	6.64E+01	4.35E+01	2.60E+01	1.02E+01	3.43E+00	2.03E+00	2.20E+00	2.43E+00	2.29E+00	2.43E+00	2.08E+00	1.90E+00
LN-ET	6.64E+01	4.35E+01	2.60E+01	1.02E+01	3.43E+00	2.03E+00	2.20E+00	2.43E+00	2.29E+00	2.43E+00	2.08E+00	1.90E+00
BBi-bas	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
BBi-sec	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
bbe-sec	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
AI	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
LN-Th	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
Lng_Tiss	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
Lung_NP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_TB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_P	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Muscle	4.49E-03	1.13E-02	1.64E-02	1.70E-02	1.15E-02	7.67E-03	7.25E-03	7.19E-03	6.72E-03	6.17E-03	5.74E-03	4.77E-03
Ovaries	0.0	0.0	0.0	1.82E-09	1.48E-06	1.58E-05	4.12E-05	8.88E-05	1.34E-04	1.61E-04	1.84E-04	2.01E-04
Pancreas	0.0	0.0	0.0	2.97E-06	1.30E-04	3.80E-04	5.60E-04	7.40E-04	8.80E-04	9.09E-04	9.30E-04	8.30E-04
R_Marrow	2.90E-07	1.79E-05	3.32E-04	2.42E-03	4.76E-03	4.69E-03	4.41E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
Skin	0.0	2.11E-05	4.76E-04	2.47E-03	2.97E-03	2.56E-03	2.94E-03	2.76E-03	2.84E-03	2.66E-03	2.54E-03	2.36E-03
Spleen	0.0	0.0	0.0	1.69E-06	8.84E-05	5.30E-04	8.40E-04	8.70E-04	8.20E-04	7.78E-04	7.50E-04	6.80E-04
Testes	0.0	0.0	0.0	0.0	5.98E-08	1.51E-06	6.05E-06	1.96E-05	3.86E-05	5.29E-05	6.61E-05	8.47E-05
Thymus	0.0	1.68E-07	1.84E-04	6.21E-03	1.24E-02	1.49E-02	1.20E-02	1.11E-02	1.06E-02	9.92E-03	9.27E-03	7.55E-03
Thyroid	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	7.20E-03	6.94E-03	6.62E-03	5.37E-03
GB_Wall1	0.0	0.0	0.0	6.75E-07	4.94E-05	1.95E-04	3.22E-04	4.70E-04	5.53E-04	5.89E-04	6.17E-04	5.82E-04
Ht_Wall1	0.0	0.0	5.92E-07	1.91E-04	2.01E-03	2.69E-03	2.62E-03	2.74E-03	2.88E-03	2.99E-03	3.00E-03	2.67E-03
Uterus	0.0	0.0	0.0	1.46E-09	1.30E-06	1.44E-05	3.82E-05	8.35E-05	1.27E-04	1.54E-04	1.76E-04	1.93E-04

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = BBi-gel	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	2.52E-08	7.36E-04	5.96E-03	1.84E-02	2.04E-02	1.59E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
UB_Wall1	0.0	0.0	0.0	5.56E-07	3.08E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04	4.38E-04
Bone_Sur	4.69E-05	7.76E-04	5.67E-03	2.18E-02	2.59E-02	1.31E-02	7.23E-03	5.30E-03	4.73E-03	4.41E-03	4.15E-03	3.50E-03
Brain	0.0	0.0	1.43E-08	1.68E-05	1.92E-04	4.35E-04	6.24E-04	7.69E-04	8.94E-04	9.59E-04	9.84E-04	9.54E-04
Breasts	4.83E-06	2.43E-04	3.91E-03	1.65E-02	1.72E-02	1.28E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
St_Wall1	2.95E-05	3.83E-04	2.37E-03	9.23E-03	1.10E-02	8.72E-03	8.29E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
SI_Wall1	0.0	0.0	7.29E-08	6.41E-05	6.94E-04	1.13E-03	1.24E-03	1.22E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
ULI_Wall1	0.0	0.0	1.67E-07	1.03E-04	9.97E-04	1.34E-03	1.43E-03	1.49E-03	1.49E-03	1.57E-03	1.56E-03	1.51E-03
LLI_Wall1	0.0	0.0	3.94E-09	8.71E-06	1.66E-04	2.51E-04	3.87E-04	6.18E-04	6.18E-04	7.60E-04	7.28E-04	5.87E-04
Kidneys	2.96E-10	5.14E-07	1.02E-04	2.00E-03	4.38E-03	4.93E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
Liver	2.21E-04	4.89E-03	1.47E-02	2.32E-02	1.91E-02	1.36E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
ET1-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
ET2-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
LN-ET	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
BBi-bas	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
BBi-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
bbe-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
AI	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
LN-Th	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
Lng_Tiss	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
Lung_NP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_TB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_P	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Muscle	2.62E-03	7.35E-03	1.15E-02	1.24E-02	8.72E-03	6.11E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
Ovaries	0.0	0.0	2.45E-10	5.10E-06	1.60E-04	3.65E-04	4.54E-04	6.25E-04	7.22E-04	7.48E-04	7.59E-04	7.73E-04
Pancreas	1.49E-07	3.29E-05	1.52E-03	1.10E-02	1.57E-02	1.26E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
R_Marrow	1.58E-05	2.28E-04	1.51E-03	5.23E-03	6.91E-03	6.44E-03	6.34E-03	6.38E-03	5.75E-03	5.27E-03	4.93E-03	4.17E-03
Skin	2.40E-06	5.61E-05	5.24E-04	2.20E-03	2.59E-03	2.23E-03	2.23E-03	2.29E-03	2.83E-03	2.45E-03	2.33E-03	1.97E-03
Spleen	1.28E-04	1.22E-03	6.03E-03	1.49E-02	1.50E-02	1.14E-02	1.04E-02	9.75E-03	9.33E-03	8.51E-03	7.87E-03	6.69E-03
Testes	0.0	0.0	0.0	1.81E-08	4.03E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.08E-04	2.37E-04
Thymus	0.0	2.67E-05	2.12E-03	1.78E-02	2.50E-02	1.91E-02	1.61E-02	1.57E-02	1.44E-02	1.34E-02	1.26E-02	1.00E-02
Thyroid	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
GB_Wall1	1.94E-10	3.78E-07	8.16E-05	1.99E-03	5.86E-03	5.34E-03	4.86E-03	4.29E-03	3.91E-03	3.79E-03	3.70E-03	3.12E-03
Ht_Wall1	2.41E-04	6.88E-03	2.63E-02	5.08E-02	4.42E-02	2.99E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02
Uterus	0.0	0.0	1.01E-10	3.64E-06	1.14E-04	3.29E-04	4.74E-04	5.38E-04	6.12E-04	6.43E-04	6.63E-04	7.30E-04

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = BBi-sol

	Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000	
		Energy (MeV)												
Adrenals	2.52E-08	7.36E-04	5.96E-03	1.84E-02	2.04E-02	1.59E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	1.01E-02	8.57E-03	
UB_Wall1	0.0	0.0	5.56E-07	3.08E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04	4.25E-04	4.25E-04	4.38E-04	
Bone_Sur	4.69E-05	7.76E-04	5.67E-03	2.18E-02	2.59E-02	1.31E-02	7.23E-03	5.30E-03	4.73E-03	4.41E-03	4.15E-03	3.50E-03	3.50E-03	
Brain	0.0	0.0	1.43E-08	1.68E-05	1.92E-04	4.35E-04	6.24E-04	7.69E-04	8.94E-04	9.59E-04	9.84E-04	9.54E-04	9.54E-04	
Breasts	4.83E-06	2.43E-04	3.91E-03	1.65E-02	1.72E-02	1.28E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03	8.20E-03	
St_Wall1	2.95E-05	3.83E-04	2.37E-03	9.23E-03	1.10E-02	8.72E-03	8.29E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03	4.82E-03	
SI_Wall1	0.0	0.0	7.29E-08	6.41E-05	6.94E-04	1.13E-03	1.24E-03	1.22E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03	1.39E-03	
ULI_Wall1	0.0	0.0	1.67E-07	1.03E-04	9.97E-04	1.34E-03	1.43E-03	1.49E-03	1.49E-03	1.57E-03	1.56E-03	1.51E-03	1.32E-03	
LLI_Wall1	0.0	0.0	3.94E-09	8.71E-06	1.66E-04	2.51E-04	3.87E-04	6.18E-04	7.54E-04	7.60E-04	7.28E-04	5.87E-04	5.87E-04	
Kidneys	2.96E-10	5.14E-07	1.02E-04	2.00E-03	4.38E-03	4.93E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03	3.62E-03	
Liver	2.21E-04	4.89E-03	1.47E-02	2.32E-02	1.91E-02	1.36E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03	7.65E-03	
ET1-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03	
ET2-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03	
LN-ET	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03	
BBi-bas	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02	
BBi-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02	
bbe-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02	
AI	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02	
LN-Th	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02	
Lng_Tiss	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02	
Lung_NP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Lung_TB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Lung_P	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Muscle	2.62E-03	7.35E-03	1.15E-02	1.24E-02	8.72E-03	6.11E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03	3.78E-03	
Ovaries	0.0	0.0	2.45E-10	5.10E-06	1.60E-04	3.65E-04	4.54E-04	6.25E-04	7.22E-04	7.48E-04	7.59E-04	7.73E-04	7.73E-04	
Pancreas	1.49E-07	3.29E-05	1.52E-03	1.10E-02	1.57E-02	1.26E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03	6.14E-03	
R_Marrow	1.58E-05	2.28E-04	1.51E-03	5.23E-03	6.91E-03	6.44E-03	6.34E-03	6.38E-03	5.75E-03	5.27E-03	4.93E-03	4.17E-03	4.17E-03	
Skin	2.40E-06	5.61E-05	5.24E-04	2.20E-03	2.59E-03	2.23E-03	2.23E-03	2.29E-03	2.83E-03	2.60E-03	2.45E-03	2.33E-03	2.33E-03	
Spleen	1.28E-04	1.22E-03	6.03E-03	1.49E-02	1.50E-02	1.14E-02	1.04E-02	9.75E-03	9.33E-03	8.51E-03	7.87E-03	6.69E-03	6.69E-03	
Testes	0.0	0.0	0.0	1.81E-08	4.03E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.08E-04	2.37E-04	2.37E-04	
Thymus	0.0	2.67E-05	2.12E-03	1.78E-02	2.50E-02	1.91E-02	1.61E-02	1.57E-02	1.44E-02	1.34E-02	1.26E-02	1.00E-02	1.00E-02	
Thyroid	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03	4.13E-03	
GB_Wall1	1.94E-10	3.78E-07	8.16E-05	1.99E-03	5.86E-03	5.34E-03	4.86E-03	4.29E-03	3.91E-03	3.79E-03	3.70E-03	3.12E-03	3.12E-03	
Ht_Wall1	2.41E-04	6.88E-03	2.63E-02	5.08E-02	4.42E-02	2.99E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02	1.56E-02	
Uterus	0.0	0.0	1.01E-10	3.64E-06	1.14E-04	3.29E-04	4.74E-04	5.38E-04	6.12E-04	6.43E-04	6.63E-04	7.30E-04	7.30E-04	

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = BBi-bnd

		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	2.52E-08	7.36E-04	5.96E-03	1.84E-02	2.04E-02	1.59E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
UB_Wall1	0.0	0.0	5.56E-07	3.08E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04	4.25E-04	4.38E-04
Bone_Sur	4.69E-05	7.76E-04	5.67E-03	2.18E-02	2.59E-02	1.31E-02	7.23E-03	5.30E-03	4.73E-03	4.41E-03	4.15E-03	3.50E-03
Brain	0.0	0.0	1.43E-08	1.68E-05	1.92E-04	4.35E-04	6.24E-04	7.69E-04	8.94E-04	9.59E-04	9.84E-04	9.54E-04
Breasts	4.83E-06	2.43E-04	3.91E-03	1.65E-02	1.72E-02	1.28E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
St_Wall1	2.95E-05	3.83E-04	2.37E-03	9.23E-03	1.10E-02	8.72E-03	8.29E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
SI_Wall1	0.0	0.0	7.29E-08	6.41E-05	6.94E-04	1.13E-03	1.24E-03	1.22E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
ULI_Wall1	0.0	0.0	1.67E-07	1.03E-04	9.97E-04	1.34E-03	1.43E-03	1.49E-03	1.49E-03	1.57E-03	1.56E-03	1.51E-03
LLI_Wall1	0.0	0.0	3.94E-09	8.71E-06	1.66E-04	2.51E-04	3.87E-04	6.18E-04	7.54E-04	7.60E-04	7.28E-04	5.87E-04
Kidneys	2.96E-10	5.14E-07	1.02E-04	2.00E-03	4.38E-03	4.93E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
Liver	2.21E-04	4.89E-03	1.47E-02	2.32E-02	1.91E-02	1.36E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
ET1-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
ET2-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
LN-ET	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
BBi-bas	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
BBi-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
bbe-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
AI	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
LN-Th	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
Lng_Tiss	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
Lung_NP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_TB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_P	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Muscle	2.62E-03	7.35E-03	1.15E-02	1.24E-02	8.72E-03	6.11E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
Ovaries	0.0	0.0	2.45E-10	5.10E-06	1.60E-04	3.65E-04	4.54E-04	6.25E-04	7.22E-04	7.48E-04	7.59E-04	7.73E-04
Pancreas	1.49E-07	3.29E-05	1.52E-03	1.10E-02	1.57E-02	1.26E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
R_Marrow	1.58E-05	2.28E-04	1.51E-03	5.23E-03	6.91E-03	6.44E-03	6.34E-03	6.38E-03	5.75E-03	5.27E-03	4.93E-03	4.17E-03
Skin	2.40E-06	5.61E-05	5.24E-04	2.20E-03	2.59E-03	2.23E-03	2.23E-03	2.29E-03	2.83E-03	2.45E-03	2.33E-03	1.97E-03
Spleen	1.28E-04	1.22E-03	6.03E-03	1.49E-02	1.50E-02	1.14E-02	1.04E-02	9.75E-03	9.33E-03	8.51E-03	7.87E-03	6.69E-03
Testes	0.0	0.0	0.0	1.81E-08	4.03E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.08E-04	2.37E-04
Thymus	0.0	2.67E-05	2.12E-03	1.78E-02	2.50E-02	1.91E-02	1.61E-02	1.57E-02	1.44E-02	1.34E-02	1.26E-02	1.00E-02
Thyroid	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
GB_Wall1	1.94E-10	3.78E-07	8.16E-05	1.99E-03	5.86E-03	5.34E-03	4.86E-03	4.29E-03	3.91E-03	3.79E-03	3.70E-03	3.12E-03
Ht_Wall1	2.41E-04	6.88E-03	2.63E-02	5.08E-02	4.42E-02	2.99E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02
Uterus	0.0	0.0	1.01E-10	3.64E-06	1.14E-04	3.29E-04	4.74E-04	5.38E-04	6.12E-04	6.43E-04	6.63E-04	7.30E-04

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = BBi-seq		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	2.52E-08	7.36E-04	5.96E-03	1.84E-02	2.04E-02	1.59E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
UB_Wall1	0.0	0.0	5.56E-07	3.08E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04	4.25E-04	4.38E-04
Bone_Sur	4.69E-05	7.76E-04	5.67E-03	2.18E-02	2.59E-02	1.31E-02	7.23E-03	5.30E-03	4.73E-03	4.41E-03	4.15E-03	3.50E-03
Brain	0.0	0.0	1.43E-08	1.68E-05	1.92E-04	4.35E-04	6.24E-04	7.69E-04	8.94E-04	9.59E-04	9.84E-04	9.54E-04
Breasts	4.83E-06	2.43E-04	3.91E-03	1.65E-02	1.72E-02	1.28E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
St_Wall1	2.95E-05	3.83E-04	2.37E-03	9.23E-03	1.10E-02	8.72E-03	8.29E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
SI_Wall1	0.0	0.0	7.29E-08	6.41E-05	6.94E-04	1.13E-03	1.24E-03	1.22E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
ULI_Wall1	0.0	0.0	1.67E-07	1.03E-04	9.97E-04	1.34E-03	1.43E-03	1.49E-03	1.49E-03	1.57E-03	1.56E-03	1.51E-03
LLI_Wall1	0.0	0.0	3.94E-09	8.71E-06	1.66E-04	2.51E-04	3.87E-04	6.18E-04	7.54E-04	7.60E-04	7.28E-04	5.87E-04
Kidneys	2.96E-10	5.14E-07	1.02E-04	2.00E-03	4.38E-03	4.93E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
Liver	2.21E-04	4.89E-03	1.47E-02	2.32E-02	1.91E-02	1.36E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
ET1-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
ET2-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
LN-ET	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
BBi-bas	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
BBi-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
bbe-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
AI	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
LN-Th	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
Lng_Tiss	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
Lung_NP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_TB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_P	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Muscle	2.62E-03	7.35E-03	1.15E-02	1.24E-02	8.72E-03	6.11E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
Ovaries	0.0	0.0	2.45E-10	5.10E-06	1.60E-04	3.65E-04	4.54E-04	6.25E-04	7.22E-04	7.48E-04	7.59E-04	7.73E-04
Pancreas	1.49E-07	3.29E-05	1.52E-03	1.10E-02	1.57E-02	1.26E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
R_Marrow	1.58E-05	2.28E-04	1.51E-03	5.23E-03	6.91E-03	6.44E-03	6.34E-03	6.38E-03	5.75E-03	5.27E-03	4.93E-03	4.17E-03
Skin	2.40E-06	5.61E-05	5.24E-04	2.20E-03	2.59E-03	2.23E-03	2.23E-03	2.29E-03	2.83E-03	2.45E-03	2.33E-03	1.97E-03
Spleen	1.28E-04	1.22E-03	6.03E-03	1.49E-02	1.50E-02	1.14E-02	1.04E-02	9.75E-03	9.33E-03	8.51E-03	7.87E-03	6.69E-03
Testes	0.0	0.0	0.0	1.81E-08	4.03E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.08E-04	2.37E-04
Thymus	0.0	2.67E-05	2.12E-03	1.78E-02	2.50E-02	1.91E-02	1.61E-02	1.57E-02	1.44E-02	1.34E-02	1.26E-02	1.00E-02
Thyroid	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
GB_Wall1	1.94E-10	3.78E-07	8.16E-05	1.99E-03	5.86E-03	5.34E-03	4.86E-03	4.29E-03	3.91E-03	3.79E-03	3.70E-03	3.12E-03
Ht_Wall1	2.41E-04	6.88E-03	2.63E-02	5.08E-02	4.42E-02	2.99E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02
Uterus	0.0	0.0	1.01E-10	3.64E-06	1.14E-04	3.29E-04	4.74E-04	5.38E-04	6.12E-04	6.43E-04	6.63E-04	7.30E-04

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = bbe-gel		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	2.52E-08	7.36E-04	5.96E-03	1.84E-02	2.04E-02	1.59E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
UB_Wall1	0.0	0.0	5.56E-07	3.08E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04	4.25E-04	4.38E-04
Bone_Sur	4.69E-05	7.76E-04	5.67E-03	2.18E-02	2.59E-02	1.31E-02	7.23E-03	5.30E-03	4.73E-03	4.41E-03	4.15E-03	3.50E-03
Brain	0.0	0.0	1.43E-08	1.68E-05	1.92E-04	4.35E-04	6.24E-04	7.69E-04	8.94E-04	9.59E-04	9.84E-04	9.54E-04
Breasts	4.83E-06	2.43E-04	3.91E-03	1.65E-02	1.72E-02	1.28E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
St_Wall1	2.95E-05	3.83E-04	2.37E-03	9.23E-03	1.10E-02	8.72E-03	8.29E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
SI_Wall1	0.0	0.0	7.29E-08	6.41E-05	6.94E-04	1.13E-03	1.24E-03	1.22E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
ULI_Wall1	0.0	0.0	1.67E-07	1.03E-04	9.97E-04	1.34E-03	1.43E-03	1.49E-03	1.49E-03	1.57E-03	1.56E-03	1.51E-03
LLI_Wall1	0.0	0.0	3.94E-09	8.71E-06	1.66E-04	2.51E-04	3.87E-04	6.18E-04	7.54E-04	7.60E-04	7.28E-04	5.87E-04
Kidneys	2.96E-10	5.14E-07	1.02E-04	2.00E-03	4.38E-03	4.93E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
Liver	2.21E-04	4.89E-03	1.47E-02	2.32E-02	1.91E-02	1.36E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
ET1-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
ET2-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
LN-ET	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
BBi-bas	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
BBi-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
bbe-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
AI	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
LN-Th	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
Lng_Tiss	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
Lung_NP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_TB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_P	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Muscle	2.62E-03	7.35E-03	1.15E-02	1.24E-02	8.72E-03	6.11E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
Ovaries	0.0	0.0	2.45E-10	5.10E-06	1.60E-04	3.65E-04	4.54E-04	6.25E-04	7.22E-04	7.48E-04	7.59E-04	7.73E-04
Pancreas	1.49E-07	3.29E-05	1.52E-03	1.10E-02	1.57E-02	1.26E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
R_Marrow	1.58E-05	2.28E-04	1.51E-03	5.23E-03	6.91E-03	6.44E-03	6.34E-03	6.38E-03	5.75E-03	5.27E-03	4.93E-03	4.17E-03
Skin	2.40E-06	5.61E-05	5.24E-04	2.20E-03	2.59E-03	2.23E-03	2.23E-03	2.29E-03	2.83E-03	2.45E-03	2.33E-03	1.97E-03
Spleen	1.28E-04	1.22E-03	6.03E-03	1.49E-02	1.50E-02	1.14E-02	1.04E-02	9.75E-03	9.33E-03	8.51E-03	7.87E-03	6.69E-03
Testes	0.0	0.0	0.0	1.81E-08	4.03E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.08E-04	2.37E-04
Thymus	0.0	2.67E-05	2.12E-03	1.78E-02	2.50E-02	1.91E-02	1.61E-02	1.57E-02	1.44E-02	1.34E-02	1.26E-02	1.00E-02
Thyroid	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
GB_Wall1	1.94E-10	3.78E-07	8.16E-05	1.99E-03	5.86E-03	5.34E-03	4.86E-03	4.29E-03	3.91E-03	3.79E-03	3.70E-03	3.12E-03
Ht_Wall1	2.41E-04	6.88E-03	2.63E-02	5.08E-02	4.42E-02	2.99E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02
Uterus	0.0	0.0	1.01E-10	3.64E-06	1.14E-04	3.29E-04	4.74E-04	5.38E-04	6.12E-04	6.43E-04	6.63E-04	7.30E-04

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = bbe-sol		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	2.52E-08	7.36E-04	5.96E-03	1.84E-02	2.04E-02	1.59E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
UB_Wall1	0.0	0.0	0.0	5.56E-07	3.08E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04	4.38E-04
Bone_Sur	4.69E-05	7.76E-04	5.67E-03	2.18E-02	2.59E-02	1.31E-02	7.23E-03	5.30E-03	4.73E-03	4.41E-03	4.15E-03	3.50E-03
Brain	0.0	0.0	1.43E-08	1.68E-05	1.92E-04	4.35E-04	6.24E-04	7.69E-04	8.94E-04	9.59E-04	9.84E-04	9.54E-04
Breasts	4.83E-06	2.43E-04	3.91E-03	1.65E-02	1.72E-02	1.28E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
St_Wall1	2.95E-05	3.83E-04	2.37E-03	9.23E-03	1.10E-02	8.72E-03	8.29E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
SI_Wall1	0.0	0.0	7.29E-08	6.41E-05	6.94E-04	1.13E-03	1.24E-03	1.22E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
ULI_Wall1	0.0	0.0	1.67E-07	1.03E-04	9.97E-04	1.34E-03	1.43E-03	1.49E-03	1.49E-03	1.57E-03	1.56E-03	1.51E-03
LLI_Wall1	0.0	0.0	3.94E-09	8.71E-06	1.66E-04	2.51E-04	3.87E-04	6.18E-04	6.18E-04	7.54E-04	7.60E-04	7.28E-04
Kidneys	2.96E-10	5.14E-07	1.02E-04	2.00E-03	4.38E-03	4.93E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
Liver	2.21E-04	4.89E-03	1.47E-02	2.32E-02	1.91E-02	1.36E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
ET1-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
ET2-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
LN-ET	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
BBi-bas	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	
BBi-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	
bbe-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	
AI	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	
LN-Th	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	
Lng_Tiss	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	
Lung_NP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_TB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_P	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Muscle	2.62E-03	7.35E-03	1.15E-02	1.24E-02	8.72E-03	6.11E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
Ovaries	0.0	0.0	2.45E-10	5.10E-06	1.60E-04	3.65E-04	4.54E-04	6.25E-04	7.22E-04	7.48E-04	7.59E-04	7.73E-04
Pancreas	1.49E-07	3.29E-05	1.52E-03	1.10E-02	1.57E-02	1.26E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
R_Marrow	1.58E-05	2.28E-04	1.51E-03	5.23E-03	6.91E-03	6.44E-03	6.34E-03	6.38E-03	5.75E-03	5.27E-03	4.93E-03	4.17E-03
Skin	2.40E-06	5.61E-05	5.24E-04	2.20E-03	2.59E-03	2.23E-03	2.23E-03	2.29E-03	2.83E-03	2.45E-03	2.33E-03	1.97E-03
Spleen	1.28E-04	1.22E-03	6.03E-03	1.49E-02	1.50E-02	1.14E-02	1.04E-02	9.75E-03	9.33E-03	8.51E-03	7.87E-03	6.69E-03
Testes	0.0	0.0	0.0	1.81E-08	4.03E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.08E-04	2.37E-04
Thymus	0.0	2.67E-05	2.12E-03	1.78E-02	2.50E-02	1.91E-02	1.61E-02	1.57E-02	1.44E-02	1.34E-02	1.26E-02	1.00E-02
Thyroid	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
GB_Wall1	1.94E-10	3.78E-07	8.16E-05	1.99E-03	5.86E-03	5.34E-03	4.86E-03	4.29E-03	3.91E-03	3.79E-03	3.70E-03	3.12E-03
Ht_Wall1	2.41E-04	6.88E-03	2.63E-02	5.08E-02	4.42E-02	2.99E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02
Uterus	0.0	0.0	1.01E-10	3.64E-06	1.14E-04	3.29E-04	4.74E-04	5.38E-04	6.12E-04	6.43E-04	6.63E-04	7.30E-04

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = bb <i>e</i> -pnd	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	2.52E-08	7.36E-04	5.96E-03	1.84E-02	2.04E-02	1.59E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
UB_Wall1	0.0	0.0	5.56E-07	3.08E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04	4.25E-04	4.38E-04
Bone_Sur	4.69E-05	7.76E-04	5.67E-03	2.18E-02	2.59E-02	1.31E-02	7.23E-03	5.30E-03	4.73E-03	4.41E-03	4.15E-03	3.50E-03
Brain	0.0	0.0	1.43E-08	1.68E-05	1.92E-04	4.35E-04	6.24E-04	7.69E-04	8.94E-04	9.59E-04	9.84E-04	9.54E-04
Breasts	4.83E-06	2.43E-04	3.91E-03	1.65E-02	1.72E-02	1.28E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
St_Wall1	2.95E-05	3.83E-04	2.37E-03	9.23E-03	1.10E-02	8.72E-03	8.29E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
SI_Wall1	0.0	0.0	7.29E-08	6.41E-05	6.94E-04	1.13E-03	1.24E-03	1.22E-03	1.24E-03	1.22E-03	1.20E-03	1.39E-03
ULI_Wall1	0.0	0.0	1.67E-07	1.03E-04	9.97E-04	1.34E-03	1.43E-03	1.49E-03	1.49E-03	1.57E-03	1.51E-03	1.32E-03
LII_Wall1	0.0	0.0	3.94E-09	8.71E-06	1.66E-04	2.51E-04	3.87E-04	6.18E-04	7.54E-04	7.60E-04	7.28E-04	5.87E-04
Kidneys	2.96E-10	5.14E-07	1.02E-04	2.00E-03	4.38E-03	4.93E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
Liver	2.21E-04	4.89E-03	1.47E-02	2.32E-02	1.91E-02	1.36E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
ET1-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
ET2-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
LN-ET	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
BBi-bas	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
BBi-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
bbe-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
AI	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
LN-Th	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
Lng_Tiss	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
Lung_NP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_TB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_P	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Muscle	2.62E-03	7.35E-03	1.15E-02	1.24E-02	8.72E-03	6.11E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
Ovaries	0.0	0.0	2.45E-10	5.10E-06	1.60E-04	3.65E-04	4.54E-04	6.25E-04	7.22E-04	7.48E-04	7.59E-04	7.73E-04
Pancreas	1.49E-07	3.29E-05	1.52E-03	1.10E-02	1.57E-02	1.26E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
R_Marrow	1.58E-05	2.28E-04	1.51E-03	5.23E-03	6.91E-03	6.44E-03	6.34E-03	6.38E-03	5.75E-03	5.27E-03	4.93E-03	4.17E-03
Skin	2.40E-06	5.61E-05	5.24E-04	2.20E-03	2.59E-03	2.23E-03	2.23E-03	2.29E-03	2.83E-03	2.45E-03	2.33E-03	1.97E-03
Spleen	1.28E-04	1.22E-03	6.03E-03	1.49E-02	1.50E-02	1.14E-02	1.04E-02	9.75E-03	9.33E-03	8.51E-03	7.87E-03	6.69E-03
Testes	0.0	0.0	0.0	1.81E-08	4.03E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.08E-04	2.37E-04
Thymus	0.0	2.67E-05	2.12E-03	1.78E-02	2.50E-02	1.91E-02	1.61E-02	1.57E-02	1.44E-02	1.34E-02	1.26E-02	1.00E-02
Thyroid	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
GB_Wall1	1.94E-10	3.78E-07	8.16E-05	1.99E-03	5.86E-03	5.34E-03	4.86E-03	4.29E-03	3.91E-03	3.79E-03	3.70E-03	3.12E-03
Ht_Wall1	2.41E-04	6.88E-03	2.63E-02	5.08E-02	4.42E-02	2.99E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02
Uterus	0.0	0.0	1.01E-10	3.64E-06	1.14E-04	3.29E-04	4.74E-04	5.38E-04	6.12E-04	6.43E-04	6.63E-04	7.30E-04

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = bbe-seq		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	2.52E-08	7.36E-04	5.96E-03	1.84E-02	2.04E-02	1.59E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
UB_Wall1	0.0	0.0	5.56E-07	3.08E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04	4.25E-04	4.38E-04
Bone_Sur	4.69E-05	7.76E-04	5.67E-03	2.18E-02	2.59E-02	1.31E-02	7.23E-03	5.30E-03	4.73E-03	4.41E-03	4.15E-03	3.50E-03
Brain	0.0	0.0	1.43E-08	1.68E-05	1.92E-04	4.35E-04	6.24E-04	7.69E-04	8.94E-04	9.59E-04	9.84E-04	9.54E-04
Breasts	4.83E-06	2.43E-04	3.91E-03	1.65E-02	1.72E-02	1.28E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
St_Wall1	2.95E-05	3.83E-04	2.37E-03	9.23E-03	1.10E-02	8.72E-03	8.29E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
SI_Wall1	0.0	0.0	7.29E-08	6.41E-05	6.94E-04	1.13E-03	1.24E-03	1.22E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
ULI_Wall1	0.0	0.0	1.67E-07	1.03E-04	9.97E-04	1.34E-03	1.43E-03	1.49E-03	1.49E-03	1.57E-03	1.56E-03	1.51E-03
LLI_Wall1	0.0	0.0	3.94E-09	8.71E-06	1.66E-04	2.51E-04	3.87E-04	6.18E-04	7.54E-04	7.60E-04	7.28E-04	5.87E-04
Kidneys	2.96E-10	5.14E-07	1.02E-04	2.00E-03	4.38E-03	4.93E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
Liver	2.21E-04	4.89E-03	1.47E-02	2.32E-02	1.91E-02	1.36E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
ET1-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
ET2-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
LN-ET	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
BBi-bas	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
BBi-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
bbe-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
AI	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
LN-Th	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
Lng_Tiss	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
Lung_NP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_TB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_P	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Muscle	2.62E-03	7.35E-03	1.15E-02	1.24E-02	8.72E-03	6.11E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
Ovaries	0.0	0.0	2.45E-10	5.10E-06	1.60E-04	3.65E-04	4.54E-04	6.25E-04	7.22E-04	7.48E-04	7.59E-04	7.73E-04
Pancreas	1.49E-07	3.29E-05	1.52E-03	1.10E-02	1.57E-02	1.26E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
R_Marrow	1.58E-05	2.28E-04	1.51E-03	5.23E-03	6.91E-03	6.44E-03	6.34E-03	6.38E-03	5.75E-03	5.27E-03	4.93E-03	4.17E-03
Skin	2.40E-06	5.61E-05	5.24E-04	2.20E-03	2.59E-03	2.23E-03	2.29E-03	2.83E-03	2.60E-03	2.45E-03	2.33E-03	1.97E-03
Spleen	1.28E-04	1.22E-03	6.03E-03	1.49E-02	1.50E-02	1.14E-02	1.04E-02	9.75E-03	9.33E-03	8.51E-03	7.87E-03	6.69E-03
Testes	0.0	0.0	0.0	1.81E-08	4.03E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.08E-04	2.37E-04
Thymus	0.0	2.67E-05	2.12E-03	1.78E-02	2.50E-02	1.91E-02	1.61E-02	1.57E-02	1.44E-02	1.34E-02	1.26E-02	1.00E-02
Thyroid	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
GB_Wall1	1.94E-10	3.78E-07	8.16E-05	1.99E-03	5.86E-03	5.34E-03	4.86E-03	4.29E-03	3.91E-03	3.79E-03	3.70E-03	3.12E-03
Ht_Wall1	2.41E-04	6.88E-03	2.63E-02	5.08E-02	4.42E-02	2.99E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02	1.00E-02
Uterus	0.0	0.0	1.01E-10	3.64E-06	1.14E-04	3.29E-04	4.74E-04	5.38E-04	6.12E-04	6.43E-04	6.63E-04	7.30E-04

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = AI

	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	2.52E-08	7.36E-04	5.96E-03	1.84E-02	2.04E-02	1.59E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
UB_Wall1	0.0	0.0	0.0	5.56E-07	3.08E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04	4.38E-04
Bone_Sur	4.69E-05	7.76E-04	5.67E-03	2.18E-02	2.59E-02	1.31E-02	7.23E-03	5.30E-03	4.73E-03	4.41E-03	4.15E-03	3.50E-03
Brain	0.0	0.0	1.43E-08	1.68E-05	1.92E-04	4.35E-04	6.24E-04	7.69E-04	8.94E-04	9.59E-04	9.84E-04	9.54E-04
Breasts	4.83E-06	2.43E-04	3.91E-03	1.65E-02	1.72E-02	1.28E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
St_Wall1	2.95E-05	3.83E-04	2.37E-03	9.23E-03	1.10E-02	8.72E-03	8.29E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
SI_Wall1	0.0	0.0	7.29E-08	6.41E-05	6.94E-04	1.13E-03	1.24E-03	1.22E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
ULI_Wall1	0.0	0.0	1.67E-07	1.03E-04	9.97E-04	1.34E-03	1.43E-03	1.49E-03	1.49E-03	1.57E-03	1.56E-03	1.51E-03
LLI_Wall1	0.0	0.0	3.94E-09	8.71E-06	1.66E-04	2.51E-04	3.87E-04	6.18E-04	6.18E-04	7.54E-04	7.60E-04	7.28E-04
Kidneys	2.96E-10	5.14E-07	1.02E-04	2.00E-03	4.38E-03	4.93E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
Liver	2.21E-04	4.89E-03	1.47E-02	2.32E-02	1.91E-02	1.36E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
ET1-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
ET2-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
LN-ET	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
BBi-bas	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
BBi-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
bbe-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
AI	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
LN-Th	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
Lng_Tiss	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
Lung_NP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_TB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_P	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Muscle	2.62E-03	7.35E-03	1.15E-02	1.24E-02	8.72E-03	6.11E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
Ovaries	0.0	0.0	2.45E-10	5.10E-06	1.60E-04	3.65E-04	4.54E-04	6.25E-04	7.22E-04	7.48E-04	7.59E-04	7.73E-04
Pancreas	1.49E-07	3.29E-05	1.52E-03	1.10E-02	1.57E-02	1.26E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
R_Marrow	1.58E-05	2.28E-04	1.51E-03	5.23E-03	6.91E-03	6.44E-03	6.34E-03	6.38E-03	5.75E-03	5.27E-03	4.93E-03	4.17E-03
Skin	2.40E-06	5.61E-05	5.24E-04	2.20E-03	2.59E-03	2.23E-03	2.23E-03	2.29E-03	2.83E-03	2.45E-03	2.33E-03	1.97E-03
Spleen	1.28E-04	1.22E-03	6.03E-03	1.49E-02	1.50E-02	1.14E-02	1.04E-02	9.75E-03	9.33E-03	8.51E-03	7.87E-03	6.69E-03
Testes	0.0	0.0	0.0	1.81E-08	4.03E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.08E-04	2.37E-04
Thymus	0.0	2.67E-05	2.12E-03	1.78E-02	2.50E-02	1.91E-02	1.61E-02	1.57E-02	1.44E-02	1.34E-02	1.26E-02	1.00E-02
Thyroid	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
GB_Wall1	1.94E-10	3.78E-07	8.16E-05	1.99E-03	5.86E-03	5.34E-03	4.86E-03	4.29E-03	3.91E-03	3.79E-03	3.70E-03	3.12E-03
Ht_Wall1	2.41E-04	6.88E-03	2.63E-02	5.08E-02	4.42E-02	2.99E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02
Uterus	0.0	0.0	1.01E-10	3.64E-06	1.14E-04	3.29E-04	4.74E-04	5.38E-04	6.12E-04	6.43E-04	6.63E-04	7.30E-04

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = LN-Th

	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	2.52E-08	7.36E-04	5.96E-03	1.84E-02	2.04E-02	1.59E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
UB_Wall	0.0	0.0	0.0	5.56E-07	3.08E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04	4.38E-04
Bone_Sur	4.69E-05	7.76E-04	5.67E-03	2.18E-02	2.59E-02	1.31E-02	7.23E-03	5.30E-03	4.73E-03	4.41E-03	4.15E-03	3.50E-03
Brain	0.0	0.0	1.43E-08	1.68E-05	1.92E-04	4.35E-04	6.24E-04	7.69E-04	8.94E-04	9.59E-04	9.84E-04	9.54E-04
Breasts	4.83E-06	2.43E-04	3.91E-03	1.65E-02	1.72E-02	1.28E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
St_Wall	2.95E-05	3.83E-04	2.37E-03	9.23E-03	1.10E-02	8.72E-03	8.29E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
SI_Wall	0.0	0.0	7.29E-08	6.41E-05	6.94E-04	1.13E-03	1.24E-03	1.22E-03	1.22E-03	1.35E-03	1.46E-03	1.50E-03
ULI_Wall	0.0	0.0	1.67E-07	1.03E-04	9.97E-04	1.34E-03	1.43E-03	1.49E-03	1.49E-03	1.57E-03	1.56E-03	1.51E-03
LLI_Wall	0.0	0.0	3.94E-09	8.71E-06	1.66E-04	2.51E-04	3.87E-04	6.18E-04	7.54E-04	7.60E-04	7.28E-04	5.87E-04
Kidneys	2.96E-10	5.14E-07	1.02E-04	2.00E-03	4.38E-03	4.93E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
Liver	2.21E-04	4.89E-03	1.47E-02	2.32E-02	1.91E-02	1.36E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
ET1-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
ET2-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
LN-ET	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
BBi-bas	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
BBi-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
bbe-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
AI	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
LN-Th	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
Lng_Tiss	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02	4.27E-02
Lung_NP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_TB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung_P	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Muscle	2.62E-03	7.35E-03	1.15E-02	1.24E-02	8.72E-03	6.11E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
Ovaries	0.0	0.0	2.45E-10	5.10E-06	1.60E-04	3.65E-04	4.54E-04	6.25E-04	7.22E-04	7.48E-04	7.59E-04	7.73E-04
Pancreas	1.49E-07	3.29E-05	1.52E-03	1.10E-02	1.57E-02	1.26E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
R_Marrow	1.58E-05	2.28E-04	1.51E-03	5.23E-03	6.91E-03	6.44E-03	6.34E-03	6.38E-03	5.75E-03	5.27E-03	4.93E-03	4.17E-03
Skin	2.40E-06	5.61E-05	5.24E-04	2.20E-03	2.59E-03	2.23E-03	2.23E-03	2.29E-03	2.83E-03	2.45E-03	2.33E-03	1.97E-03
Spleen	1.28E-04	1.22E-03	6.03E-03	1.49E-02	1.50E-02	1.14E-02	1.04E-02	9.75E-03	9.33E-03	8.51E-03	7.87E-03	6.69E-03
Testes	0.0	0.0	0.0	1.81E-08	4.03E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.08E-04	2.37E-04
Thymus	0.0	2.67E-05	2.12E-03	1.78E-02	2.50E-02	1.91E-02	1.61E-02	1.57E-02	1.44E-02	1.34E-02	1.26E-02	1.00E-02
Thyroid	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
GB_Wall	1.94E-10	3.78E-07	8.16E-05	1.99E-03	5.86E-03	5.34E-03	4.86E-03	4.29E-03	3.91E-03	3.79E-03	3.70E-03	3.12E-03
Ht_Wall	2.41E-04	6.88E-03	2.63E-02	5.08E-02	4.42E-02	2.99E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02
Uterus	0.0	0.0	1.01E-10	3.64E-06	1.14E-04	3.29E-04	4.74E-04	5.38E-04	6.12E-04	6.43E-04	6.63E-04	7.30E-04

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = Ing_Cont		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	2.52E-08	7.36E-04	5.96E-03	1.84E-02	2.04E-02	1.59E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
UB_Wall1	0.0	0.0	5.56E-07	3.08E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04	4.25E-04	4.38E-04
Bone_Sur	4.69E-05	7.76E-04	5.67E-03	2.18E-02	2.59E-02	1.31E-02	7.23E-03	5.30E-03	4.73E-03	4.41E-03	4.15E-03	3.50E-03
Brain	0.0	0.0	1.43E-08	1.68E-05	1.92E-04	4.35E-04	6.24E-04	7.69E-04	8.94E-04	9.59E-04	9.84E-04	9.54E-04
Breasts	4.83E-06	2.43E-04	3.91E-03	1.65E-02	1.72E-02	1.28E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
St_Wall1	2.95E-05	3.83E-04	2.37E-03	9.23E-03	1.10E-02	8.72E-03	8.29E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
SI_Wall1	0.0	0.0	7.29E-08	6.41E-05	6.94E-04	1.13E-03	1.24E-03	1.22E-03	1.24E-03	1.22E-03	1.46E-03	1.50E-03
ULI_Wall1	0.0	0.0	1.67E-07	1.03E-04	9.97E-04	1.34E-03	1.43E-03	1.49E-03	1.49E-03	1.57E-03	1.56E-03	1.51E-03
LLI_Wall1	0.0	0.0	3.94E-09	8.71E-06	1.66E-04	2.51E-04	3.87E-04	6.18E-04	6.18E-04	7.54E-04	7.60E-04	7.28E-04
Kidneys	2.96E-10	5.14E-07	1.02E-04	2.00E-03	4.38E-03	4.93E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
Liver	2.21E-04	4.89E-03	1.47E-02	2.32E-02	1.91E-02	1.36E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
ET1-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
ET2-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
LN-ET	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
BBi-bas	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
BBi-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
bbe-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
AI	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
LN-Th	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
Ing_Tiss	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
Lung_NP	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
Lung_TB	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
Lung_P	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
Muscle	2.62E-03	7.35E-03	1.15E-02	1.24E-02	8.72E-03	6.11E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
Ovaries	0.0	0.0	2.45E-10	5.10E-06	1.60E-04	3.65E-04	4.54E-04	6.25E-04	7.22E-04	7.48E-04	7.59E-04	7.73E-04
Pancreas	1.49E-07	3.29E-05	1.52E-03	1.10E-02	1.57E-02	1.26E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
R_Marrow	1.58E-05	2.28E-04	1.51E-03	5.23E-03	6.91E-03	6.44E-03	6.34E-03	6.38E-03	5.75E-03	5.27E-03	4.93E-03	4.17E-03
Skin	2.40E-06	5.61E-05	5.24E-04	2.20E-03	2.59E-03	2.23E-03	2.29E-03	2.83E-03	2.60E-03	2.45E-03	2.33E-03	1.97E-03
Spleen	1.28E-04	1.22E-03	6.03E-03	1.49E-02	1.50E-02	1.14E-02	1.04E-02	9.75E-03	9.33E-03	8.51E-03	7.87E-03	6.69E-03
Testes	0.0	0.0	0.0	1.81E-08	4.03E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.08E-04	2.37E-04
Thymus	0.0	2.67E-05	2.12E-03	1.78E-02	2.50E-02	1.91E-02	1.61E-02	1.57E-02	1.44E-02	1.34E-02	1.26E-02	1.00E-02
Thyroid	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
GB_Wall1	1.94E-10	3.78E-07	8.16E-05	1.99E-03	5.86E-03	5.34E-03	4.86E-03	4.29E-03	3.91E-03	3.79E-03	3.70E-03	3.12E-03
Ht_Wall1	2.41E-04	6.88E-03	2.63E-02	5.08E-02	4.42E-02	2.99E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02
Uterus	0.0	0.0	1.01E-10	3.64E-06	1.14E-04	3.29E-04	4.74E-04	5.38E-04	6.12E-04	6.43E-04	6.63E-04	7.30E-04

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = Lng_Tiss	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	2.52E-08	7.36E-04	5.96E-03	1.84E-02	2.04E-02	1.59E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
UB_Wall	0.0	0.0	5.56E-07	3.08E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04	4.25E-04	4.38E-04
Bone_Sur	4.69E-05	7.76E-04	5.67E-03	2.18E-02	2.59E-02	1.31E-02	7.23E-03	5.30E-03	4.73E-03	4.41E-03	4.15E-03	3.50E-03
Brain	0.0	0.0	1.43E-08	1.68E-05	1.92E-04	4.35E-04	6.24E-04	7.69E-04	8.94E-04	9.59E-04	9.84E-04	9.54E-04
Breasts	4.83E-06	2.43E-04	3.91E-03	1.65E-02	1.72E-02	1.28E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
St_Wall	2.95E-05	3.83E-04	2.37E-03	9.23E-03	1.10E-02	8.72E-03	8.29E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
SI_Wall	0.0	0.0	7.29E-08	6.41E-05	6.94E-04	1.13E-03	1.24E-03	1.22E-03	1.24E-03	1.35E-03	1.46E-03	1.50E-03
ULI_Wall	0.0	0.0	1.67E-07	1.03E-04	9.97E-04	1.34E-03	1.43E-03	1.49E-03	1.49E-03	1.57E-03	1.56E-03	1.51E-03
LLI_Wall	0.0	0.0	3.94E-09	8.71E-06	1.66E-04	2.51E-04	3.87E-04	6.18E-04	7.54E-04	7.60E-04	7.28E-04	5.87E-04
Kidneys	2.96E-10	5.14E-07	1.02E-04	2.00E-03	4.38E-03	4.93E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
Liver	2.21E-04	4.89E-03	1.47E-02	2.32E-02	1.91E-02	1.36E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
ET1-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
ET2-bas	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
LN-ET	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
BBi-bas	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
BBi-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
bbe-sec	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
AI	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
LN-Th	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
Lng_Tiss	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
Lung_NP	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
Lung_TB	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
Lung_P	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
Muscle	2.62E-03	7.35E-03	1.15E-02	1.24E-02	8.72E-03	6.11E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
Ovaries	0.0	0.0	2.45E-10	5.10E-06	1.60E-04	3.65E-04	4.54E-04	6.25E-04	7.22E-04	7.48E-04	7.59E-04	7.73E-04
Pancreas	1.49E-07	3.29E-05	1.52E-03	1.10E-02	1.57E-02	1.26E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
R_Marrow	1.58E-05	2.28E-04	1.51E-03	5.23E-03	6.91E-03	6.44E-03	6.34E-03	6.38E-03	5.75E-03	5.27E-03	4.93E-03	4.17E-03
Skin	2.40E-06	5.61E-05	5.24E-04	2.20E-03	2.59E-03	2.23E-03	2.29E-03	2.83E-03	2.60E-03	2.45E-03	2.33E-03	1.97E-03
Spleen	1.28E-04	1.22E-03	6.03E-03	1.49E-02	1.50E-02	1.14E-02	1.04E-02	9.75E-03	9.33E-03	8.51E-03	7.87E-03	6.69E-03
Testes	0.0	0.0	0.0	1.81E-08	4.03E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.08E-04	2.37E-04
Thymus	0.0	2.67E-05	2.12E-03	1.78E-02	2.50E-02	1.91E-02	1.61E-02	1.57E-02	1.44E-02	1.34E-02	1.26E-02	1.00E-02
Thyroid	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
GB_Wall	1.94E-10	3.78E-07	8.16E-05	1.99E-03	5.86E-03	5.34E-03	4.86E-03	4.29E-03	3.91E-03	3.79E-03	3.70E-03	3.12E-03
Ht_Wall	2.41E-04	6.88E-03	2.63E-02	5.08E-02	4.42E-02	2.99E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02
Uterus	0.0	0.0	1.01E-10	3.64E-06	1.14E-04	3.29E-04	4.74E-04	5.38E-04	6.12E-04	6.43E-04	6.63E-04	7.30E-04

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = NP_Cont		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	0.0	0.0	4.23E-06	1.62E-04	4.64E-04	6.77E-04	8.29E-04	9.64E-04	9.92E-04	1.01E-03	9.15E-04
UB_Wall1	0.0	0.0	0.0	2.56E-10	4.32E-07	6.37E-06	1.95E-05	4.89E-05	8.15E-05	1.03E-04	1.22E-04	1.41E-04
Bone_Sur	1.17E-09	1.25E-04	2.36E-03	1.58E-02	2.47E-02	1.34E-02	7.38E-03	5.23E-03	4.79E-03	4.37E-03	3.72E-03	
Brain	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	6.72E-03	5.37E-03		
Breasts	0.0	0.0	2.88E-07	2.49E-04	1.48E-03	1.98E-03	2.00E-03	2.38E-03	2.67E-03	2.81E-03	2.83E-03	2.52E-03
St_Wall1	0.0	0.0	0.0	2.42E-06	1.00E-04	2.84E-04	4.85E-04	6.59E-04	7.53E-04	7.84E-04	7.85E-04	7.24E-04
SI_Wall1	0.0	0.0	0.0	2.13E-08	6.12E-06	5.80E-05	7.88E-05	1.18E-04	1.61E-04	1.93E-04	2.19E-04	2.97E-04
ULI_Wall1	0.0	0.0	0.0	3.68E-08	8.45E-06	5.42E-05	1.12E-04	1.94E-04	2.59E-04	2.95E-04	3.21E-04	3.24E-04
LLI_Wall1	0.0	0.0	0.0	3.22E-09	1.48E-06	1.37E-05	3.44E-05	7.34E-05	1.11E-04	1.35E-04	1.55E-04	1.72E-04
Kidneys	0.0	0.0	0.0	4.16E-07	3.82E-05	1.85E-04	3.50E-04	5.00E-04	5.60E-04	5.66E-04	5.70E-04	5.20E-04
Liver	0.0	0.0	1.42E-10	4.07E-06	2.52E-04	6.58E-04	7.64E-04	8.58E-04	9.32E-04	9.77E-04	9.88E-04	9.19E-04
ET1-bas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET2-bas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LN-ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BBi-bas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BBi-sec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
bbe-sec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LN-Th	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lng_Tiss	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
Lung_NP	6.64E+01	4.35E+01	2.60E+01	1.02E+01	3.43E+00	2.03E+00	2.20E+00	2.43E+00	2.43E+00	2.29E+00	2.08E+00	1.49E+00
Lung_TB	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
Lung_P	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	5.06E-03	4.69E-03	4.13E-03
Muscle	4.49E-03	1.13E-02	1.64E-02	1.70E-02	1.15E-02	6.67E-03	7.25E-03	7.19E-03	6.72E-03	6.17E-03	5.74E-03	4.77E-03
Ovaries	0.0	0.0	0.0	1.82E-09	1.48E-06	1.58E-05	4.12E-05	8.88E-05	1.34E-04	1.61E-04	1.84E-04	2.01E-04
Pancreas	0.0	0.0	0.0	0.0	2.97E-06	1.30E-04	3.80E-04	5.60E-04	7.40E-04	8.80E-04	9.09E-04	9.30E-04
R_Marrow	2.90E-07	1.79E-05	3.32E-04	2.42E-03	4.76E-03	4.69E-03	4.41E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
Skin	0.0	2.11E-05	4.76E-04	2.47E-03	2.97E-03	2.56E-03	2.76E-03	2.94E-03	2.84E-03	2.66E-03	2.54E-03	2.36E-03
Spleen	0.0	0.0	0.0	1.69E-06	8.84E-05	5.30E-04	8.40E-04	8.70E-04	8.20E-04	7.78E-04	7.50E-04	6.80E-04
Testes	0.0	0.0	0.0	0.0	5.98E-08	1.51E-06	6.05E-06	1.96E-05	3.86E-05	5.29E-05	6.61E-05	8.47E-05
Thymus	0.0	1.68E-07	1.84E-04	6.21E-03	1.24E-02	1.49E-02	1.20E-02	1.11E-02	1.06E-02	9.92E-03	9.27E-03	7.55E-03
Thyroid	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	7.20E-03	6.62E-03	6.94E-03	5.37E-03
GB_Wall1	0.0	0.0	6.75E-07	4.94E-05	1.95E-04	3.22E-04	4.70E-04	5.53E-04	5.89E-04	6.17E-04	5.82E-04	
Ht_Wall1	0.0	5.92E-07	1.91E-04	2.01E-03	2.69E-03	2.62E-03	2.74E-03	2.88E-03	2.99E-03	3.00E-03	2.67E-03	
Uterus	0.0	0.0	1.46E-09	1.30E-06	1.44E-05	3.82E-05	8.35E-05	1.27E-04	1.54E-04	1.76E-04	1.93E-04	

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = TB_Cont		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	2.52E-08	7.36E-04	5.96E-03	1.84E-02	2.04E-02	1.59E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
UB_Wall1	0.0	0.0	5.56E-07	3.08E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04	4.25E-04	4.38E-04
Bone_Sur	4.69E-05	7.76E-04	5.67E-03	2.18E-02	2.59E-02	1.31E-02	7.23E-03	5.30E-03	4.73E-03	4.41E-03	4.15E-03	3.50E-03
Brain	0.0	0.0	1.43E-08	1.68E-05	1.92E-04	4.35E-04	6.24E-04	7.69E-04	8.94E-04	9.59E-04	9.84E-04	9.54E-04
Breasts	4.83E-06	2.43E-04	3.91E-03	1.65E-02	1.72E-02	1.28E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
St_Wall1	2.95E-05	3.83E-04	2.37E-03	9.23E-03	1.10E-02	8.72E-03	8.29E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
SI_Wall1	0.0	0.0	7.29E-08	6.41E-05	6.94E-04	1.13E-03	1.24E-03	1.22E-03	1.24E-03	1.22E-03	1.50E-03	1.39E-03
ULI_Wall1	0.0	0.0	1.67E-07	1.03E-04	9.97E-04	1.34E-03	1.43E-03	1.49E-03	1.49E-03	1.49E-03	1.51E-03	1.32E-03
LLI_Wall1	0.0	0.0	3.94E-09	8.71E-06	1.66E-04	2.51E-04	3.87E-04	6.18E-04	7.54E-04	7.60E-04	7.28E-04	5.87E-04
Kidneys	2.96E-10	5.14E-07	1.02E-04	2.00E-03	4.38E-03	4.93E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
Liver	2.21E-04	4.89E-03	1.47E-02	2.32E-02	1.91E-02	1.36E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
ET1-bas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET2-bas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LN-ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BBi-bas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BBi-sec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
bbe-sec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LN-Th	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lng_Tiss	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
Lung_NP	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.13E-03	3.00E-03
Lung_TB	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
Lung_P	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
Muscle	2.62E-03	7.35E-03	1.15E-02	1.24E-02	8.72E-03	6.11E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
Ovaries	0.0	0.0	2.45E-10	5.10E-06	1.60E-04	3.65E-04	4.54E-04	6.25E-04	7.22E-04	7.48E-04	7.59E-04	7.73E-04
Pancreas	1.49E-07	3.29E-05	1.52E-03	1.10E-02	1.57E-02	1.26E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
R_Marrow	1.58E-05	2.28E-04	1.51E-03	5.23E-03	6.91E-03	6.44E-03	6.34E-03	6.38E-03	5.75E-03	5.27E-03	4.93E-03	4.17E-03
Skin	2.40E-06	5.61E-05	5.24E-04	2.20E-03	2.59E-03	2.23E-03	2.29E-03	2.83E-03	2.60E-03	2.45E-03	2.33E-03	1.97E-03
Spleen	1.28E-04	1.22E-03	6.03E-03	1.49E-02	1.50E-02	1.14E-02	1.04E-02	9.75E-03	9.33E-03	8.51E-03	7.87E-03	6.69E-03
Testes	0.0	0.0	0.0	1.81E-08	4.03E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.08E-04	2.37E-04
Thymus	0.0	2.67E-05	2.12E-03	1.78E-02	2.50E-02	1.91E-02	1.61E-02	1.57E-02	1.44E-02	1.34E-02	1.26E-02	1.00E-02
Thyroid	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.13E-03	3.00E-03
GB_Wall1	1.94E-10	3.78E-07	8.16E-05	1.99E-03	5.86E-03	5.34E-03	4.86E-03	4.29E-03	3.91E-03	3.79E-03	3.12E-03	2.00E-03
Ht_Wall1	2.41E-04	6.88E-03	2.63E-02	5.08E-02	4.42E-02	2.99E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02
Uterus	0.0	0.0	1.01E-10	3.64E-06	1.14E-04	3.29E-04	4.74E-04	5.38E-04	6.12E-04	6.43E-04	6.63E-04	7.30E-04

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = P_Cont		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	2.52E-08	7.36E-04	5.96E-03	1.84E-02	2.04E-02	1.59E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
UB_Wall1	0.0	0.0	5.56E-07	3.08E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04	4.25E-04	4.38E-04
Bone_Sur	4.69E-05	7.76E-04	5.67E-03	2.18E-02	2.59E-02	1.31E-02	7.23E-03	5.30E-03	4.73E-03	4.41E-03	4.15E-03	3.50E-03
Brain	0.0	0.0	1.43E-08	1.68E-05	1.92E-04	4.35E-04	6.24E-04	7.69E-04	8.94E-04	9.59E-04	9.84E-04	9.54E-04
Breasts	4.83E-06	2.43E-04	3.91E-03	1.65E-02	1.72E-02	1.28E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
St_Wall1	2.95E-05	3.83E-04	2.37E-03	9.23E-03	1.10E-02	8.72E-03	8.29E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
SI_Wall1	0.0	0.0	7.29E-08	6.41E-05	6.94E-04	1.13E-03	1.24E-03	1.22E-03	1.24E-03	1.22E-03	1.50E-03	1.39E-03
ULI_Wall1	0.0	0.0	1.67E-07	1.03E-04	9.97E-04	1.34E-03	1.43E-03	1.49E-03	1.49E-03	1.49E-03	1.51E-03	1.32E-03
LLI_Wall1	0.0	0.0	3.94E-09	8.71E-06	1.66E-04	2.51E-04	3.87E-04	6.18E-04	7.54E-04	7.60E-04	7.28E-04	5.87E-04
Kidneys	2.96E-10	5.14E-07	1.02E-04	2.00E-03	4.38E-03	4.93E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
Liver	2.21E-04	4.89E-03	1.47E-02	2.32E-02	1.91E-02	1.36E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
ET1-bas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET2-bas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LN-ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BBi-bas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BBi-sec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
bbe-sec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LN-Th	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lng_Tiss	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
Lung_NP	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.13E-03	3.00E-03
Lung_TB	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
Lung_P	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
Muscle	2.62E-03	7.35E-03	1.15E-02	1.24E-02	8.72E-03	6.11E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
Ovaries	0.0	0.0	2.45E-10	5.10E-06	1.60E-04	3.65E-04	4.54E-04	6.25E-04	7.22E-04	7.48E-04	7.59E-04	7.73E-04
Pancreas	1.49E-07	3.29E-05	1.52E-03	1.10E-02	1.57E-02	1.26E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
R_Marrow	1.58E-05	2.28E-04	1.51E-03	5.23E-03	6.91E-03	6.44E-03	6.34E-03	6.38E-03	5.75E-03	5.27E-03	4.93E-03	4.17E-03
Skin	2.40E-06	5.61E-05	5.24E-04	2.20E-03	2.59E-03	2.23E-03	2.29E-03	2.83E-03	2.60E-03	2.45E-03	2.33E-03	1.97E-03
Spleen	1.28E-04	1.22E-03	6.03E-03	1.49E-02	1.50E-02	1.14E-02	1.04E-02	9.75E-03	9.33E-03	8.51E-03	7.87E-03	6.69E-03
Testes	0.0	0.0	0.0	1.81E-08	4.03E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.08E-04	2.37E-04
Thymus	0.0	2.67E-05	2.12E-03	1.78E-02	2.50E-02	1.91E-02	1.61E-02	1.57E-02	1.44E-02	1.34E-02	1.26E-02	1.00E-02
Thyroid	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.13E-03	3.00E-03
GB_Wall1	1.94E-10	3.78E-07	8.16E-05	1.99E-03	5.86E-03	5.34E-03	4.86E-03	4.29E-03	3.91E-03	3.79E-03	3.12E-03	2.00E-03
Ht_Wall1	2.41E-04	6.88E-03	2.63E-02	5.08E-02	4.42E-02	2.99E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02
Uterus	0.0	0.0	1.01E-10	3.64E-06	1.14E-04	3.29E-04	4.74E-04	5.38E-04	6.12E-04	6.43E-04	6.63E-04	7.30E-04

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = LN_Lung	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	2.52E-08	7.36E-04	5.96E-03	1.84E-02	2.04E-02	1.59E-02	1.46E-02	1.33E-02	1.24E-02	1.10E-02	1.01E-02	8.57E-03
UB_Wall1	0.0	0.0	5.56E-07	3.08E-05	1.17E-04	2.05E-04	3.17E-04	3.89E-04	4.25E-04	4.51E-04	4.25E-04	4.38E-04
Bone_Sur	4.69E-05	7.76E-04	5.67E-03	2.18E-02	2.59E-02	1.31E-02	7.23E-03	5.30E-03	4.73E-03	4.41E-03	4.15E-03	3.50E-03
Brain	0.0	0.0	1.43E-08	1.68E-05	1.92E-04	4.35E-04	6.24E-04	7.69E-04	8.94E-04	9.59E-04	9.84E-04	9.54E-04
Breasts	4.83E-06	2.43E-04	3.91E-03	1.65E-02	1.72E-02	1.28E-02	1.18E-02	1.25E-02	1.21E-02	1.11E-02	1.02E-02	8.20E-03
ST_Wall1	2.95E-05	3.83E-04	2.37E-03	9.23E-03	1.10E-02	8.72E-03	8.29E-03	7.67E-03	7.58E-03	6.75E-03	6.05E-03	4.82E-03
SI_Wall1	0.0	0.0	7.29E-08	6.41E-05	6.94E-04	1.13E-03	1.24E-03	1.22E-03	1.24E-03	1.22E-03	1.50E-03	1.39E-03
ULI_Wall1	0.0	0.0	1.67E-07	1.03E-04	9.97E-04	1.34E-03	1.43E-03	1.49E-03	1.43E-03	1.49E-03	1.51E-03	1.32E-03
LLI_Wall1	0.0	0.0	3.94E-09	8.71E-06	1.66E-04	2.51E-04	3.87E-04	6.18E-04	7.54E-04	7.60E-04	7.28E-04	5.87E-04
Kidneys	2.96E-10	5.14E-07	1.02E-04	2.00E-03	4.38E-03	4.93E-03	4.85E-03	4.67E-03	4.47E-03	4.17E-03	3.95E-03	3.62E-03
Liver	2.21E-04	4.89E-03	1.47E-02	2.32E-02	1.91E-02	1.36E-02	1.23E-02	1.14E-02	1.07E-02	1.01E-02	9.48E-03	7.65E-03
ET1-bas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET2-bas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LN-ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BBi-bas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BBi-sec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
bbe-sec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LN-Th	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lng_Tiss	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
Lung_NP	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
Lung_TB	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
Lung_P	1.38E+00	1.05E+00	7.02E-01	3.21E-01	1.23E-01	6.92E-02	6.74E-02	6.98E-02	6.40E-02	5.83E-02	5.37E-02	4.27E-02
Muscle	2.62E-03	7.35E-03	1.15E-02	1.24E-02	8.72E-03	6.11E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
Ovaries	0.0	0.0	2.45E-10	5.10E-06	1.60E-04	3.65E-04	4.54E-04	6.25E-04	7.22E-04	7.48E-04	7.59E-04	7.73E-04
Pancreas	1.49E-07	3.29E-05	1.52E-03	1.10E-02	1.57E-02	1.26E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
R_Marrow	1.58E-05	2.28E-04	1.51E-03	5.23E-03	6.91E-03	6.44E-03	6.34E-03	6.38E-03	5.75E-03	5.27E-03	4.93E-03	4.17E-03
Skin	2.40E-06	5.61E-05	5.24E-04	2.20E-03	2.59E-03	2.23E-03	2.29E-03	2.83E-03	2.60E-03	2.45E-03	2.33E-03	1.97E-03
Spleen	1.28E-04	1.22E-03	6.03E-03	1.49E-02	1.50E-02	1.14E-02	1.04E-02	9.75E-03	9.33E-03	8.51E-03	7.87E-03	6.69E-03
Testes	0.0	0.0	0.0	1.81E-08	4.03E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.08E-04	2.37E-04
Thymus	0.0	2.67E-05	2.12E-03	1.78E-02	2.50E-02	1.91E-02	1.61E-02	1.57E-02	1.44E-02	1.34E-02	1.26E-02	1.00E-02
Thyroid	0.0	5.57E-08	6.14E-05	2.07E-03	6.20E-03	6.12E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
GB_Wall1	1.94E-10	3.78E-07	8.16E-05	1.99E-03	5.86E-03	5.34E-03	4.86E-03	4.29E-03	3.91E-03	3.79E-03	3.70E-03	3.12E-03
Ht_Wall1	2.41E-04	6.88E-03	2.63E-02	5.08E-02	4.42E-02	2.99E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02
Uterus	0.0	0.0	1.01E-10	3.64E-06	1.14E-04	3.29E-04	4.74E-04	5.38E-04	6.12E-04	6.43E-04	6.63E-04	7.30E-04

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = Muscle	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	5.40E-03	1.19E-02	1.47E-02	1.30E-02	9.16E-03	6.98E-03	6.71E-03	6.74E-03	6.38E-03	5.94E-03	5.56E-03	4.61E-03
UB_Wall1	6.00E-03	8.83E-03	1.04E-02	1.27E-02	1.31E-02	1.07E-02	8.56E-03	6.80E-03	6.30E-03	5.60E-03	5.60E-03	4.76E-03
Bone_Sur	2.09E-03	6.95E-03	1.39E-02	2.55E-02	2.60E-02	1.30E-02	7.69E-03	5.63E-03	5.38E-03	5.07E-03	4.76E-03	3.95E-03
Brain	2.52E-08	3.09E-06	9.39E-05	8.15E-04	1.47E-04	1.40E-03	1.44E-03	1.55E-03	1.52E-03	1.44E-03	1.38E-03	1.22E-03
Breasts	4.58E-04	1.35E-03	2.38E-03	3.50E-03	3.32E-03	2.64E-03	2.69E-03	2.89E-03	2.93E-03	2.81E-03	2.67E-03	2.31E-03
St_Wall1	3.17E-03	7.01E-03	9.12E-03	1.08E-02	1.03E-02	7.73E-03	6.27E-03	5.78E-03	5.76E-03	5.61E-03	5.38E-03	4.50E-03
SI_Wall1	9.40E-04	2.80E-03	5.16E-03	8.67E-03	9.09E-03	7.16E-03	6.54E-03	6.33E-03	5.97E-03	5.67E-03	5.38E-03	4.45E-03
ULI_Wall1	9.11E-04	3.35E-03	5.31E-03	8.13E-03	9.36E-03	7.84E-03	6.33E-03	5.61E-03	5.52E-03	5.30E-03	5.07E-03	4.44E-03
LLI_Wall1	2.50E-03	5.30E-03	7.40E-03	1.01E-02	1.09E-02	8.83E-03	7.24E-03	6.50E-03	6.20E-03	5.70E-03	5.40E-03	4.56E-03
Kidneys	1.69E-03	5.09E-03	8.62E-03	1.03E-02	8.05E-03	6.08E-03	5.86E-03	5.82E-03	5.58E-03	5.24E-03	4.93E-03	4.13E-03
Liver	8.11E-04	2.38E-03	4.37E-03	6.61E-03	6.31E-03	4.92E-03	4.65E-03	4.58E-03	4.40E-03	4.15E-03	3.91E-03	3.30E-03
ET1-bas	4.49E-03	1.13E-02	1.64E-02	1.70E-02	1.15E-02	7.67E-03	7.25E-03	7.19E-03	6.72E-03	6.17E-03	5.74E-03	4.77E-03
ET2-bas	4.49E-03	1.13E-02	1.64E-02	1.70E-02	1.15E-02	7.67E-03	7.25E-03	7.19E-03	6.72E-03	6.17E-03	5.74E-03	4.77E-03
LN-ET	4.49E-03	1.13E-02	1.64E-02	1.70E-02	1.15E-02	7.67E-03	7.25E-03	7.19E-03	6.72E-03	6.17E-03	5.74E-03	4.77E-03
BBi-bas	2.93E-03	8.24E-03	1.29E-02	1.39E-02	9.42E-03	6.17E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
BBi-sec	2.93E-03	8.24E-03	1.29E-02	1.39E-02	9.42E-03	6.17E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
bbe-sec	2.93E-03	8.24E-03	1.29E-02	1.39E-02	9.42E-03	6.17E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
AI	2.93E-03	8.24E-03	1.29E-02	1.39E-02	9.42E-03	6.17E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
LN-Th	2.93E-03	8.24E-03	1.29E-02	1.39E-02	9.42E-03	6.17E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
Lng_Tiss	2.93E-03	8.24E-03	1.29E-02	1.39E-02	9.42E-03	6.17E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
Lung_NP	4.49E-03	1.13E-02	1.64E-02	1.70E-02	1.15E-02	7.67E-03	7.25E-03	7.19E-03	6.72E-03	6.17E-03	5.74E-03	4.77E-03
Lung_TB	2.93E-03	8.24E-03	1.29E-02	1.39E-02	9.42E-03	6.17E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
Lung_P	2.93E-03	8.24E-03	1.29E-02	1.39E-02	9.42E-03	6.17E-03	5.82E-03	5.69E-03	5.33E-03	4.95E-03	4.62E-03	3.78E-03
Muscle	2.28E-02	2.12E-02	1.88E-02	1.39E-02	8.69E-03	6.16E-03	6.22E-03	5.89E-03	5.53E-03	5.21E-03	4.35E-03	3.5E-03
Ovaries	3.98E-03	9.43E-03	1.28E-02	1.39E-02	1.17E-02	8.80E-03	8.15E-03	7.90E-03	7.36E-03	6.91E-03	6.50E-03	5.28E-03
Pancreas	2.62E-03	7.25E-03	1.16E-02	1.40E-02	1.10E-02	8.03E-03	7.37E-03	7.22E-03	6.79E-03	6.34E-03	5.94E-03	4.88E-03
R_Marrow	6.24E-04	1.78E-03	3.25E-03	5.44E-03	6.29E-03	5.60E-03	5.52E-03	5.59E-03	5.35E-03	4.99E-03	4.67E-03	3.92E-03
Skin	4.93E-03	7.55E-03	7.88E-03	6.46E-03	4.34E-03	3.20E-03	3.22E-03	3.65E-03	3.67E-03	3.43E-03	3.19E-03	2.61E-03
Spleen	1.55E-03	4.77E-03	8.54E-03	1.16E-02	9.29E-03	6.65E-03	6.28E-03	6.23E-03	5.85E-03	5.50E-03	5.20E-03	4.34E-03
Testes	3.12E-03	7.60E-03	1.08E-02	1.17E-02	8.49E-03	6.11E-03	6.02E-03	6.28E-03	6.03E-03	5.64E-03	5.31E-03	4.49E-03
Thymus	2.76E-03	8.00E-03	1.23E-02	1.32E-02	9.60E-03	6.70E-03	6.30E-03	6.27E-03	5.97E-03	5.57E-03	5.22E-03	4.34E-03
Thyroid	4.49E-03	1.13E-02	1.64E-02	1.70E-02	1.15E-02	7.67E-03	7.25E-03	7.19E-03	6.72E-03	6.17E-03	5.74E-03	4.77E-03
GB_Wall1	7.00E-03	1.00E-02	1.20E-02	1.20E-02	9.00E-03	7.00E-03	6.30E-03	6.00E-03	5.70E-03	5.30E-03	5.00E-03	4.46E-03
Ht_Wall1	1.91E-03	4.55E-03	6.92E-03	9.13E-03	8.02E-03	5.93E-03	5.54E-03	5.16E-03	4.82E-03	3.77E-03	4.52E-03	3.77E-03
Uterus	1.90E-03	5.67E-03	9.99E-03	1.36E-02	1.20E-02	8.87E-03	8.11E-03	7.88E-03	7.40E-03	6.87E-03	6.42E-03	5.32E-03

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = Ovaries

		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	2.06E-08	6.76E-05	8.69E-04	1.28E-03	1.85E-03	2.20E-03	2.15E-03	2.06E-03	2.00E-03	1.82E-03	1.82E-03
UB_Wall1	0.0	7.60E-05	4.74E-03	3.66E-02	4.49E-02	3.49E-02	3.11E-02	3.07E-02	2.62E-02	2.28E-02	2.08E-02	1.77E-02
Bone_Sur	8.17E-10	1.31E-04	3.17E-03	1.77E-02	2.35E-02	1.31E-02	6.97E-03	4.63E-03	4.33E-03	4.06E-03	3.80E-03	3.12E-03
Brain	0.0	0.0	0.0	0.0	0.0	0.0	6.08E-08	8.74E-07	3.13E-05	2.41E-05	3.63E-05	4.86E-05
Breasts	0.0	0.0	0.0	0.0	0.0	0.0	6.63E-07	7.14E-05	1.23E-04	1.99E-04	3.33E-04	4.45E-04
St_Wall1	0.0	8.51E-10	6.06E-06	5.67E-04	3.32E-03	4.33E-03	3.93E-03	4.15E-03	4.11E-03	4.00E-03	3.85E-03	3.23E-03
SI_Wall1	4.19E-03	3.04E-02	7.67E-02	1.17E-01	9.03E-02	5.90E-02	5.27E-02	4.83E-02	4.45E-02	4.10E-02	3.80E-02	3.05E-02
ULI_Wall1	3.50E-02	1.08E-01	1.46E-01	1.29E-01	7.92E-02	5.33E-02	5.03E-02	4.57E-02	4.31E-02	3.96E-02	3.67E-02	3.04E-02
LLI_Wall1	1.26E-01	2.15E-01	2.53E-01	2.09E-01	1.18E-01	7.44E-02	7.03E-02	6.90E-02	6.27E-02	5.66E-02	5.20E-02	4.27E-02
Kidneys	0.0	3.29E-10	5.40E-06	6.40E-04	3.68E-03	5.25E-03	4.79E-03	4.97E-03	4.83E-03	4.55E-03	4.33E-03	3.87E-03
Liver	0.0	1.14E-10	1.72E-06	3.53E-04	1.84E-03	2.70E-03	2.68E-03	2.56E-03	2.76E-03	2.56E-03	2.93E-03	2.23E-03
ET1-bas	0.0	0.0	0.0	0.0	0.0	0.0	1.82E-09	1.48E-06	1.58E-05	4.12E-05	8.88E-05	1.34E-04
ET2-bas	0.0	0.0	0.0	0.0	0.0	0.0	1.82E-09	1.48E-06	1.58E-05	4.12E-05	8.88E-05	1.34E-04
LN-ET	0.0	0.0	0.0	0.0	0.0	0.0	1.82E-09	1.48E-06	1.58E-05	4.12E-05	8.88E-05	1.34E-04
BBi-bas	0.0	0.0	2.76E-10	5.74E-06	1.73E-04	3.69E-04	4.55E-04	6.24E-04	7.21E-04	7.48E-04	7.59E-04	7.73E-04
BBi-sec	0.0	0.0	2.76E-10	5.74E-06	1.73E-04	3.69E-04	4.55E-04	6.24E-04	7.21E-04	7.48E-04	7.59E-04	7.73E-04
bbe-sec	0.0	0.0	2.76E-10	5.74E-06	1.73E-04	3.69E-04	4.55E-04	6.24E-04	7.21E-04	7.48E-04	7.59E-04	7.73E-04
AI	0.0	0.0	0.0	2.76E-10	5.74E-06	1.73E-04	3.69E-04	4.55E-04	6.24E-04	7.21E-04	7.48E-04	7.59E-04
LN-Th	0.0	0.0	0.0	2.76E-10	5.74E-06	1.73E-04	3.69E-04	4.55E-04	6.24E-04	7.21E-04	7.48E-04	7.59E-04
Ing_Tiss	0.0	0.0	0.0	2.76E-10	5.74E-06	1.73E-04	3.69E-04	4.55E-04	6.24E-04	7.21E-04	7.48E-04	7.59E-04
Lung_NP	0.0	0.0	0.0	0.0	1.82E-09	1.48E-06	1.58E-05	4.12E-05	8.88E-05	1.34E-04	1.61E-04	2.01E-04
Lung_TB	0.0	0.0	0.0	2.76E-10	5.74E-06	1.73E-04	3.69E-04	4.55E-04	6.24E-04	7.21E-04	7.48E-04	7.59E-04
Lung_P	0.0	0.0	0.0	2.76E-10	5.74E-06	1.73E-04	3.69E-04	4.55E-04	6.24E-04	7.21E-04	7.48E-04	7.59E-04
Muscle	3.98E-03	9.43E-03	1.28E-02	1.39E-02	1.71E-02	8.80E-03	8.15E-03	7.90E-03	7.36E-03	6.91E-03	5.28E-03	
Ovaries	7.34E+01	4.71E+01	9.99E+00	3.19E+01	1.88E+00	2.03E+00	2.23E+00	2.14E+00	1.94E+00	1.82E+00	1.45E+00	
Pancreas	0.0	0.0	0.0	1.88E-07	1.87E-04	1.49E-03	3.60E-03	3.55E-03	3.71E-03	3.69E-03	3.43E-03	3.15E-03
R_Marrow	3.24E-09	9.227E-05	2.09E-02	1.09E-02	1.52E-02	1.35E-02	1.22E-02	1.19E-02	1.08E-02	1.01E-02	9.38E-03	7.22E-03
Skin	0.0	2.82E-08	2.36E-05	5.35E-04	1.69E-03	1.78E-03	1.88E-03	2.02E-03	2.17E-03	2.15E-03	2.05E-03	1.62E-03
Spleen	0.0	0.0	3.10E-07	1.77E-04	1.22E-03	2.57E-03	2.82E-03	2.92E-03	2.70E-03	2.61E-03	2.55E-03	2.35E-03
Testes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thymus	0.0	0.0	0.0	1.91E-07	2.43E-05	1.19E-04	2.16E-04	3.38E-04	4.16E-04	4.53E-04	4.82E-04	4.66E-04
Thyroid	0.0	0.0	0.0	1.82E-09	1.48E-06	1.58E-05	4.12E-05	8.88E-05	1.34E-04	1.61E-04	1.84E-04	2.01E-04
GB_Wall1	0.0	2.35E-09	1.73E-05	1.62E-03	7.41E-03	1.00E-02	7.20E-03	5.99E-03	5.76E-03	5.48E-03	5.22E-03	4.50E-03
Ht_Wall1	0.0	0.0	1.57E-10	4.98E-06	2.49E-04	4.51E-04	6.54E-04	8.36E-04	8.99E-04	9.10E-04	9.11E-04	9.05E-04
Uterus	1.75E-06	1.08E-02	8.70E-02	2.21E-01	1.67E-01	1.06E-01	8.94E-02	8.64E-02	7.58E-02	6.54E-02	5.91E-02	5.12E-02

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = Pancreas	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	7.75E-09	1.30E-03	2.60E-02	1.10E-01	9.56E-02	6.66E-02	5.13E-02	4.50E-02	4.28E-02	4.08E-02	3.26E-02	3.26E-02
UB_Wall1	0.0	0.0	2.68E-09	1.95E-05	3.89E-04	8.23E-04	1.17E-03	1.35E-03	1.41E-03	1.43E-03	1.26E-03	1.26E-03
Bone_Sur	1.90E-06	9.53E-05	1.53E-03	1.10E-02	2.01E-02	1.29E-02	7.11E-03	4.78E-03	4.22E-03	3.95E-03	3.75E-03	3.29E-03
Brain	0.0	0.0	0.0	2.01E-08	5.07E-06	2.88E-05	8.16E-05	1.54E-04	1.95E-04	2.23E-04	2.46E-04	3.05E-04
Breasts	0.0	0.0	2.49E-06	6.56E-04	2.95E-03	3.57E-03	3.56E-03	4.02E-03	3.98E-03	3.76E-03	3.76E-03	2.88E-03
St_Wall1	1.89E-03	4.49E-02	1.20E-01	1.68E-01	1.23E-01	7.63E-02	6.86E-02	6.74E-02	5.86E-02	5.14E-02	4.68E-02	3.99E-02
SI_Wall1	0.0	1.71E-07	8.55E-05	3.33E-03	9.84E-03	1.03E-02	8.96E-03	7.86E-03	7.68E-03	7.17E-03	6.68E-03	5.59E-03
ULI_Wall1	0.0	3.66E-07	1.86E-04	4.44E-03	1.34E-02	1.22E-02	1.02E-02	8.65E-03	8.62E-03	8.05E-03	7.52E-03	6.57E-03
LLI_Wall1	0.0	1.85E-10	2.80E-06	4.70E-04	2.40E-03	3.26E-03	2.71E-03	2.99E-03	3.01E-03	3.01E-03	2.93E-03	2.38E-03
Kidneys	0.0	6.31E-05	4.07E-03	3.02E-02	4.16E-02	3.16E-02	2.71E-02	2.60E-02	2.46E-02	2.27E-02	2.10E-02	1.65E-02
Liver	2.54E-05	6.91E-04	7.19E-03	2.92E-02	3.46E-02	2.59E-02	2.22E-02	2.03E-02	1.88E-02	1.73E-02	1.60E-02	1.26E-02
ET1-bas	0.0	0.0	0.0	2.97E-06	1.30E-04	3.80E-04	5.60E-04	7.40E-04	8.80E-04	9.09E-04	9.30E-04	8.30E-04
ET2-bas	0.0	0.0	0.0	2.97E-06	1.30E-04	3.80E-04	5.60E-04	7.40E-04	8.80E-04	9.09E-04	9.30E-04	8.30E-04
LN-ET	0.0	0.0	0.0	2.97E-06	1.30E-04	3.80E-04	5.60E-04	7.40E-04	8.80E-04	9.09E-04	9.30E-04	8.30E-04
BBi-bas	1.70E-07	3.72E-05	1.70E-03	1.23E-02	1.70E-02	1.27E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
BBi-sec	1.70E-07	3.72E-05	1.70E-03	1.23E-02	1.70E-02	1.27E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
bbe-sec	1.70E-07	3.72E-05	1.70E-03	1.23E-02	1.70E-02	1.27E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
AI	1.70E-07	3.72E-05	1.70E-03	1.23E-02	1.70E-02	1.27E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
LN-Th	1.70E-07	3.72E-05	1.70E-03	1.23E-02	1.70E-02	1.27E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
Lng_Tiss	1.70E-07	3.72E-05	1.70E-03	1.23E-02	1.70E-02	1.27E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
Lung_NP	0.0	0.0	0.0	2.97E-06	1.30E-04	3.80E-04	5.60E-04	7.40E-04	8.80E-04	9.09E-04	9.30E-04	8.30E-04
Lung_TB	1.70E-07	3.72E-05	1.70E-03	1.23E-02	1.70E-02	1.27E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
Lung_P	1.70E-07	3.72E-05	1.70E-03	1.23E-02	1.70E-02	1.27E-02	1.11E-02	1.03E-02	1.01E-02	9.00E-03	8.02E-03	6.14E-03
Muscle	2.62E-03	7.25E-03	1.16E-02	1.40E-02	1.10E-02	8.03E-03	7.37E-03	7.22E-03	6.79E-03	6.34E-03	5.94E-03	4.88E-03
Ovaries	0.0	0.0	1.88E-07	1.87E-04	1.49E-03	3.60E-03	3.55E-03	3.71E-03	3.69E-03	3.43E-03	3.15E-03	3.35E-03
Pancreas	1.38E+01	1.06E+01	7.17E+00	3.19E+00	1.17E+00	6.74E-01	7.13E-01	7.55E-01	7.07E-01	6.40E-01	5.84E-01	4.60E-01
R_Marrow	9.22E-07	3.68E-05	5.04E-04	3.35E-03	6.90E-03	7.71E-03	7.34E-03	7.64E-03	6.58E-03	6.04E-03	5.74E-03	5.09E-03
Skin	2.20E-10	2.33E-07	3.26E-05	5.79E-04	1.64E-03	1.77E-03	1.87E-03	2.02E-03	2.16E-03	2.07E-03	1.66E-03	1.66E-03
Spleen	1.43E-03	4.15E-02	1.31E-01	1.85E-01	1.30E-01	7.98E-02	7.21E-02	6.81E-02	6.61E-02	6.17E-02	5.68E-02	4.23E-02
Testes	0.0	0.0	0.0	5.40E-07	4.61E-05	1.90E-04	3.14E-04	4.68E-04	5.51E-04	5.88E-04	6.15E-04	5.81E-04
Thymus	0.0	0.0	6.36E-07	3.29E-04	2.01E-03	4.01E-03	3.39E-03	3.78E-03	3.39E-03	3.01E-03	2.85E-03	3.04E-03
Thyroid	0.0	0.0	0.0	2.97E-06	1.30E-04	3.80E-04	5.60E-04	7.40E-04	8.80E-04	9.09E-04	9.30E-04	8.30E-04
GB_Wall1	4.14E-05	1.11E-02	3.66E-02	9.15E-02	8.47E-02	5.65E-02	4.76E-02	4.27E-02	4.06E-02	3.58E-02	3.20E-02	2.49E-02
Ht_Wall1	0.0	1.76E-05	2.26E-03	1.61E-02	2.88E-02	2.24E-02	1.93E-02	1.52E-02	1.44E-02	1.38E-02	1.11E-02	1.11E-02
Uterus	0.0	0.0	1.23E-07	1.51E-04	1.24E-03	2.94E-03	2.81E-03	2.92E-03	2.58E-03	2.51E-03	2.50E-03	2.45E-03

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = R_Marrow	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	2.12E-05	1.55E-03	6.26E-03	1.23E-02	1.54E-02	1.31E-02	1.40E-02	1.28E-02	1.13E-02	1.04E-02	9.32E-03	9.32E-03
UB_Wall1	0.0	1.84E-07	5.79E-05	1.81E-03	5.39E-03	6.49E-03	4.49E-03	4.57E-03	3.75E-03	3.41E-03	3.25E-03	3.25E-03
Bone_Sur	1.66E-01	1.62E-01	1.53E-01	1.25E-01	7.35E-02	2.83E-02	1.71E-02	1.48E-02	1.37E-02	1.27E-02	1.18E-02	9.85E-03
Brain	7.12E-04	2.29E-03	4.64E-03	7.83E-03	7.01E-03	5.27E-03	5.30E-03	5.46E-03	5.15E-03	4.80E-03	4.52E-03	3.78E-03
Breasts	1.95E-05	5.37E-04	1.75E-03	2.80E-03	3.10E-03	2.72E-03	2.71E-03	3.33E-03	3.28E-03	3.00E-03	2.80E-03	2.48E-03
St_Wall1	8.88E-05	2.62E-04	5.63E-04	1.66E-03	3.89E-03	4.79E-03	4.46E-03	4.13E-03	3.96E-03	3.70E-03	3.52E-03	3.37E-03
SI_Wall1	4.32E-04	1.26E-03	2.78E-03	7.15E-03	1.16E-02	1.12E-02	1.03E-02	1.01E-02	9.21E-03	8.37E-03	7.73E-03	6.32E-03
ULI_Wall1	1.03E-03	1.85E-03	2.81E-03	6.19E-03	9.59E-03	9.72E-03	8.76E-03	7.78E-03	7.11E-03	6.77E-03	6.49E-03	5.64E-03
LLI_Wall1	3.86E-04	4.22E-03	1.12E-02	1.72E-02	1.63E-02	1.30E-02	1.22E-02	1.27E-02	1.15E-02	1.04E-02	9.54E-03	7.71E-03
Kidneys	1.58E-06	4.22E-04	2.34E-03	6.83E-03	1.05E-02	9.87E-03	9.50E-03	1.01E-02	9.16E-03	8.56E-03	8.07E-03	6.58E-03
Liver	5.41E-05	3.51E-04	1.04E-03	2.80E-03	4.74E-03	5.07E-03	5.02E-03	5.00E-03	4.65E-03	4.35E-03	4.11E-03	3.53E-03
ET1-bas	2.12E-07	1.58E-05	3.36E-04	2.24E-03	4.34E-03	4.43E-03	4.19E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
ET2-bas	2.12E-07	1.58E-05	3.36E-04	2.24E-03	4.34E-03	4.43E-03	4.19E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
LN-ET	2.12E-07	1.58E-05	3.36E-04	2.24E-03	4.34E-03	4.43E-03	4.19E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
BBi-bas	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
BBi-sec	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
bbe-sec	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
AI	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.43E-03	6.12E-03	6.45E-03	4.98E-03	4.08E-03	3.84E-03	3.67E-03
LN-Th	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
Ing_Tiss	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
Lung_NP	2.12E-07	1.58E-05	3.36E-04	2.24E-03	4.34E-03	4.43E-03	4.19E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
Lung_TB	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
Lung_P	1.77E-05	2.67E-04	1.83E-03	5.95E-03	7.84E-03	6.39E-03	6.12E-03	6.38E-03	5.75E-03	5.26E-03	4.93E-03	4.17E-03
Muscle	6.24E-04	1.78E-03	3.25E-03	5.44E-03	6.29E-03	5.60E-03	5.52E-03	5.59E-03	5.35E-03	4.99E-03	4.67E-03	3.92E-03
Ovaries	9.73E-10	8.46E-05	2.19E-03	1.08E-02	1.58E-02	1.41E-02	1.23E-02	1.08E-02	1.08E-02	1.01E-02	9.38E-03	7.22E-03
Pancreas	9.23E-07	3.80E-05	5.31E-04	3.21E-03	5.60E-03	7.26E-03	7.93E-03	7.63E-03	7.64E-03	6.58E-03	6.04E-03	5.74E-03
R_Marrow	7.58E-02	6.72E-02	5.89E-02	4.48E-02	3.12E-02	2.45E-02	2.48E-02	2.56E-02	2.35E-02	2.16E-02	2.01E-02	1.64E-02
Skin	3.98E-04	1.27E-03	1.88E-03	2.41E-03	2.67E-03	2.44E-03	2.66E-03	2.99E-03	3.17E-03	2.97E-03	2.79E-03	2.51E-03
Spleen	1.93E-07	1.55E-04	9.37E-04	2.96E-03	5.10E-03	5.40E-03	5.32E-03	5.47E-03	4.75E-03	4.51E-03	4.37E-03	3.81E-03
Testes	0.0	1.44E-08	9.51E-06	3.60E-04	1.69E-03	2.38E-03	2.48E-03	2.64E-03	2.60E-03	2.29E-03	2.08E-03	1.86E-03
Thymus	2.87E-05	3.14E-04	1.71E-03	3.85E-03	4.80E-03	4.53E-03	4.38E-03	4.68E-03	4.42E-03	4.09E-03	3.82E-03	3.19E-03
Thyroid	2.12E-07	1.58E-05	3.36E-04	2.24E-03	4.34E-03	4.43E-03	4.19E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
GB_Wall1	0.0	7.00E-07	1.08E-04	2.05E-03	5.55E-03	5.53E-03	4.75E-03	5.05E-03	4.62E-03	4.36E-03	3.64E-03	3.21E-03
Ht_Wall1	3.63E-06	1.58E-04	8.71E-04	3.04E-03	5.54E-03	5.66E-03	5.45E-03	5.36E-03	4.91E-03	4.53E-03	4.28E-03	3.86E-03
Uterus	0.0	1.26E-06	1.85E-04	3.49E-03	9.20E-03	1.00E-02	9.17E-03	8.27E-03	7.32E-03	6.55E-03	6.04E-03	5.16E-03

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = Skin	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	4.56E-07	1.96E-05	2.81E-04	1.29E-03	2.02E-03	1.95E-03	2.20E-03	2.37E-03	2.39E-03	2.32E-03	2.23E-03	1.91E-03
UB_Wall1	4.69E-06	9.89E-05	8.60E-04	3.01E-03	4.64E-03	4.42E-03	3.99E-03	3.55E-03	3.22E-03	2.97E-03	2.80E-03	2.36E-03
Bone_Sur	1.81E-03	6.37E-03	1.19E-02	1.81E-02	1.61E-02	8.58E-03	5.55E-03	4.23E-03	4.04E-03	3.89E-03	3.37E-03	3.37E-03
Brain	1.43E-05	8.47E-05	2.99E-04	1.77E-03	2.71E-03	2.35E-03	2.47E-03	2.90E-03	2.86E-03	2.61E-03	2.40E-03	1.98E-03
Breasts	1.27E-02	1.97E-02	2.00E-02	1.31E-02	6.25E-03	4.11E-03	4.41E-03	5.04E-03	4.85E-03	4.51E-03	4.23E-03	3.63E-03
St_Wall1	6.30E-06	1.09E-04	8.29E-04	2.78E-03	4.09E-03	3.85E-03	3.49E-03	3.13E-03	2.85E-03	2.63E-03	2.49E-03	2.10E-03
SI_Wall1	2.59E-09	1.33E-06	1.11E-04	8.02E-04	1.81E-03	1.84E-03	1.90E-03	2.10E-03	2.19E-03	2.21E-03	2.18E-03	1.91E-03
ULI_Wall1	0.0	3.92E-06	1.90E-04	1.66E-03	3.51E-03	3.62E-03	3.29E-03	2.92E-03	2.66E-03	2.46E-03	2.33E-03	1.98E-03
LLI_Wall1	1.34E-05	8.55E-05	3.18E-04	2.03E-03	4.14E-03	4.15E-03	3.73E-03	3.29E-03	2.98E-03	2.75E-03	2.60E-03	2.20E-03
Kidneys	2.28E-05	2.47E-04	1.34E-03	3.02E-03	2.65E-03	2.15E-03	2.39E-03	2.66E-03	2.68E-03	2.65E-03	2.56E-03	2.07E-03
Liver	4.08E-06	7.03E-05	5.30E-04	2.01E-03	2.45E-03	2.13E-03	2.26E-03	2.52E-03	2.60E-03	2.53E-03	2.42E-03	2.13E-03
ET1-bas	0.0	2.11E-05	4.76E-04	2.47E-03	2.97E-03	2.56E-03	2.76E-03	2.94E-03	2.94E-03	2.84E-03	2.66E-03	2.36E-03
ET2-bas	0.0	2.11E-05	4.76E-04	2.47E-03	2.97E-03	2.56E-03	2.76E-03	2.94E-03	2.94E-03	2.84E-03	2.66E-03	2.36E-03
LN-ET	0.0	2.11E-05	4.76E-04	2.47E-03	2.97E-03	2.56E-03	2.76E-03	2.94E-03	2.94E-03	2.84E-03	2.66E-03	2.36E-03
BBi-bas	2.72E-06	6.31E-05	5.87E-04	2.45E-03	2.80E-03	2.26E-03	2.29E-03	2.83E-03	2.83E-03	2.60E-03	2.45E-03	2.42E-03
BBi-sec	2.72E-06	6.31E-05	5.87E-04	2.45E-03	2.80E-03	2.26E-03	2.29E-03	2.83E-03	2.83E-03	2.60E-03	2.45E-03	2.36E-03
bbe-sec	2.72E-06	6.31E-05	5.87E-04	2.45E-03	2.80E-03	2.26E-03	2.29E-03	2.83E-03	2.83E-03	2.60E-03	2.45E-03	2.36E-03
AI	2.72E-06	6.31E-05	5.87E-04	2.45E-03	2.80E-03	2.26E-03	2.29E-03	2.83E-03	2.83E-03	2.60E-03	2.45E-03	2.36E-03
LN-Th	2.72E-06	6.31E-05	5.87E-04	2.45E-03	2.80E-03	2.26E-03	2.29E-03	2.83E-03	2.83E-03	2.60E-03	2.45E-03	2.36E-03
Ing_Tiss	2.72E-06	6.31E-05	5.87E-04	2.45E-03	2.80E-03	2.26E-03	2.29E-03	2.83E-03	2.83E-03	2.60E-03	2.45E-03	2.36E-03
Lung_NP	0.0	2.11E-05	4.76E-04	2.47E-03	2.97E-03	2.56E-03	2.76E-03	2.94E-03	2.94E-03	2.84E-03	2.66E-03	2.36E-03
Lung_TB	2.72E-06	6.31E-05	5.87E-04	2.45E-03	2.80E-03	2.26E-03	2.29E-03	2.83E-03	2.83E-03	2.60E-03	2.45E-03	2.36E-03
Lung_P	2.72E-06	6.31E-05	5.87E-04	2.45E-03	2.80E-03	2.26E-03	2.29E-03	2.83E-03	2.83E-03	2.60E-03	2.45E-03	2.36E-03
Muscle	4.93E-03	7.55E-03	7.88E-03	6.46E-03	4.39E-03	3.20E-03	3.22E-03	3.22E-03	3.65E-03	3.67E-03	3.43E-03	3.19E-03
Ovaries	0.0	2.82E-08	2.36E-05	5.35E-04	1.69E-03	1.78E-03	1.88E-03	2.02E-03	2.17E-03	2.15E-03	2.05E-03	1.62E-03
Pancreas	2.20E-10	2.33E-07	3.26E-05	5.79E-04	1.64E-03	1.77E-03	1.87E-03	2.02E-03	2.16E-03	2.16E-03	2.07E-03	1.66E-03
R_Marrow	3.98E-04	1.27E-03	1.88E-03	2.41E-03	2.67E-03	2.44E-03	2.66E-03	2.99E-03	3.17E-03	2.97E-03	2.79E-03	2.51E-03
Skin	2.62E-01	1.34E-01	7.27E-02	2.86E-02	1.07E-02	6.89E-03	7.82E-03	8.72E-03	8.54E-03	8.02E-03	7.51E-03	6.19E-03
Spleen	1.54E-06	3.84E-05	3.76E-04	1.71E-03	2.38E-03	2.04E-03	2.15E-03	2.49E-03	2.53E-03	2.40E-03	2.28E-03	2.08E-03
Testes	2.88E-03	1.35E-02	2.09E-02	1.73E-02	8.98E-03	5.79E-03	6.04E-03	6.69E-03	6.14E-03	5.52E-03	5.15E-03	4.72E-03
Thymus	1.27E-05	2.14E-04	1.59E-03	3.60E-03	3.26E-03	2.68E-03	2.89E-03	3.21E-03	3.26E-03	3.03E-03	2.83E-03	2.52E-03
Thyroid	0.0	2.11E-05	4.76E-04	2.47E-03	2.97E-03	2.56E-03	2.76E-03	2.94E-03	2.84E-03	2.66E-03	2.54E-03	2.36E-03
GB_Wall1	7.25E-09	2.24E-06	1.31E-04	1.38E-03	3.22E-03	3.46E-03	3.16E-03	2.80E-03	2.55E-03	2.36E-03	2.24E-03	1.90E-03
Ht_Wall1	2.07E-05	1.31E-04	4.85E-04	1.60E-03	2.39E-03	2.17E-03	2.24E-03	2.51E-03	2.40E-03	2.30E-03	2.09E-03	1.88E-03
Uterus	1.85E-09	6.45E-07	4.12E-05	7.21E-04	1.82E-03	1.89E-03	1.96E-03	2.22E-03	2.19E-03	2.15E-03	2.10E-03	1.88E-03

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = Spleen	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	1.06E-10	2.32E-04	9.74E-03	3.95E-02	4.75E-02	3.29E-02	2.88E-02	2.71E-02	2.56E-02	2.42E-02	2.26E-02	1.73E-02
UB_Wall1	0.0	0.0	1.59E-09	1.35E-05	3.01E-04	6.26E-04	9.36E-04	1.16E-03	1.23E-03	1.26E-03	1.26E-03	1.12E-03
Bone_Sur	3.51E-05	4.97E-04	3.26E-03	1.26E-02	1.81E-02	1.02E-02	5.70E-03	4.10E-03	3.66E-03	3.45E-03	3.29E-03	2.81E-03
Brain	0.0	0.0	0.0	1.58E-08	4.14E-06	4.86E-05	1.27E-04	2.05E-04	2.70E-04	3.09E-04	3.22E-04	2.82E-04
Breasts	0.0	0.0	1.27E-06	7.17E-04	2.03E-03	2.71E-03	2.59E-03	2.79E-03	2.80E-03	2.80E-03	2.77E-03	2.58E-03
St_Wall1	2.16E-08	8.12E-04	1.46E-02	6.12E-02	6.82E-02	4.44E-02	3.79E-02	3.75E-02	3.43E-02	2.97E-02	2.66E-02	2.21E-02
SI_Wall1	0.0	6.59E-07	1.07E-04	2.23E-03	6.62E-03	7.17E-03	6.47E-03	6.48E-03	6.11E-03	5.58E-03	5.15E-03	4.12E-03
ULI_Wall1	0.0	3.53E-07	1.14E-04	2.67E-03	6.21E-03	7.29E-03	5.77E-03	6.55E-03	6.46E-03	5.78E-03	5.29E-03	4.49E-03
LLI_Wall1	0.0	8.07E-09	1.30E-05	1.11E-03	2.59E-03	3.41E-03	3.27E-03	3.19E-03	2.85E-03	2.70E-03	2.65E-03	2.67E-03
Kidneys	2.90E-04	1.03E-02	4.78E-02	8.70E-02	6.08E-02	4.26E-02	3.72E-02	3.70E-02	3.70E-02	3.54E-02	3.19E-02	2.93E-02
Liver	0.0	4.95E-09	1.40E-05	1.31E-03	4.63E-03	5.64E-03	5.27E-03	5.36E-03	4.88E-03	4.59E-03	4.32E-03	3.39E-03
ET1-bas	0.0	0.0	0.0	1.69E-06	8.84E-05	5.30E-04	8.40E-04	8.40E-04	8.70E-04	8.20E-04	7.78E-04	7.50E-04
ET2-bas	0.0	0.0	0.0	1.69E-06	8.84E-05	5.30E-04	8.40E-04	8.40E-04	8.70E-04	8.20E-04	7.78E-04	7.50E-04
LN-ET	0.0	0.0	0.0	1.69E-06	8.84E-05	5.30E-04	8.40E-04	8.40E-04	8.70E-04	8.20E-04	7.78E-04	7.50E-04
BBi-bas	1.43E-04	1.36E-03	6.76E-03	1.67E-02	1.62E-02	1.15E-02	1.04E-02	9.75E-03	9.33E-03	8.52E-03	7.87E-03	6.69E-03
BBi-sec	1.43E-04	1.36E-03	6.76E-03	1.67E-02	1.62E-02	1.15E-02	1.04E-02	9.75E-03	9.33E-03	8.52E-03	7.87E-03	6.69E-03
bbe-sec	1.43E-04	1.36E-03	6.76E-03	1.67E-02	1.62E-02	1.15E-02	1.04E-02	9.75E-03	9.33E-03	8.52E-03	7.87E-03	6.69E-03
AI	1.43E-04	1.36E-03	6.76E-03	1.67E-02	1.62E-02	1.15E-02	1.04E-02	9.75E-03	9.33E-03	8.52E-03	7.87E-03	6.69E-03
LN-Th	1.43E-04	1.36E-03	6.76E-03	1.67E-02	1.62E-02	1.15E-02	1.04E-02	9.75E-03	9.33E-03	8.52E-03	7.87E-03	6.69E-03
Ing_Tiss	1.43E-04	1.36E-03	6.76E-03	1.67E-02	1.62E-02	1.15E-02	1.04E-02	9.75E-03	9.33E-03	8.52E-03	7.87E-03	6.69E-03
Lung_NP	0.0	0.0	0.0	1.69E-06	8.84E-05	5.30E-04	8.40E-04	8.40E-04	8.70E-04	8.20E-04	7.78E-04	7.50E-04
Lung_TB	1.43E-04	1.36E-03	6.76E-03	1.67E-02	1.62E-02	1.15E-02	1.04E-02	9.75E-03	9.33E-03	8.52E-03	7.87E-03	6.69E-03
Lung_P	1.43E-04	1.36E-03	6.76E-03	1.67E-02	1.62E-02	1.15E-02	1.04E-02	9.75E-03	9.33E-03	8.52E-03	7.87E-03	6.69E-03
Muscle	1.55E-03	8.77E-03	8.54E-03	1.16E-02	9.29E-03	6.65E-03	6.28E-03	6.23E-03	5.85E-03	5.50E-03	5.20E-03	4.34E-03
Ovaries	0.0	0.0	3.10E-07	1.77E-04	1.22E-03	2.57E-03	2.82E-03	2.92E-03	2.70E-03	2.61E-03	2.55E-03	2.35E-03
Pancreas	1.43E-03	4.15E-02	1.31E-01	1.85E-01	1.30E-01	7.98E-02	7.21E-02	6.81E-02	6.61E-02	6.17E-02	5.68E-02	4.23E-02
R_Marrow	1.22E-05	1.47E-04	8.65E-04	2.96E-03	4.91E-03	5.16E-03	5.11E-03	5.46E-03	4.76E-03	4.51E-03	4.37E-03	3.81E-03
Skin	1.54E-06	3.84E-05	3.76E-04	1.71E-03	2.38E-03	2.04E-03	2.15E-03	2.49E-03	2.53E-03	2.40E-03	2.28E-03	2.08E-03
Spleen	7.62E+00	6.46E+00	4.85E+00	2.43E+00	9.45E-01	5.43E-01	5.61E-01	5.89E-01	5.46E-01	5.01E-01	4.63E-01	3.66E-01
Testes	0.0	0.0	0.0	4.11E-07	3.76E-05	1.62E-04	2.74E-04	4.15E-04	4.98E-04	5.40E-04	5.57E-04	5.37E-04
Thymus	0.0	0.0	7.20E-08	3.33E-04	1.73E-03	2.65E-03	2.23E-03	2.34E-03	2.35E-03	2.30E-03	2.26E-03	2.12E-03
Thyroid	0.0	0.0	0.0	1.69E-06	8.84E-05	5.30E-04	8.40E-04	8.70E-04	8.20E-04	7.78E-04	7.50E-04	6.80E-04
GB_Wall1	0.0	7.78E-09	3.50E-05	2.50E-03	8.87E-03	1.20E-02	9.81E-03	7.85E-03	6.92E-03	6.67E-03	6.44E-03	5.35E-03
Ht_Wall1	0.0	1.13E-07	1.43E-04	4.43E-03	1.21E-02	1.04E-02	9.85E-03	8.71E-03	7.87E-03	8.01E-03	8.00E-03	6.63E-03
Uterus	0.0	0.0	6.17E-08	9.74E-05	1.16E-03	1.66E-03	2.13E-03	2.45E-03	2.45E-03	2.38E-03	2.31E-03	2.11E-03

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = Testes		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	0.0	0.0	1.62E-07	2.27E-07	1.14E-05	2.10E-04	3.31E-04	4.09E-04	4.46E-04	4.75E-04	4.60E-04
UB_Wall	0.0	4.58E-05	2.75E-03	2.80E-02	4.01E-02	2.56E-02	2.38E-02	2.08E-02	1.90E-02	1.84E-02	1.80E-02	1.70E-02
Bone_Sur	0.0	1.23E-07	9.59E-05	2.88E-03	9.86E-03	7.63E-03	4.61E-03	3.19E-03	3.13E-03	2.95E-03	2.77E-03	2.42E-03
Brain	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Breasts	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
St_Wall	0.0	0.0	0.0	2.40E-06	1.00E-04	3.15E-04	5.21E-04	6.37E-04	7.32E-04	7.95E-04	8.15E-04	7.27E-04
SI_Wall	0.0	0.0	1.44E-07	1.95E-04	1.29E-03	2.26E-03	2.27E-03	2.48E-03	2.70E-03	2.53E-03	2.34E-03	1.94E-03
ULI_Wall	0.0	0.0	1.86E-07	1.26E-04	9.66E-04	1.66E-03	1.73E-03	1.97E-03	2.19E-03	2.21E-03	2.18E-03	2.10E-03
LLI_Wall	0.0	1.36E-05	1.71E-03	1.10E-02	1.89E-02	1.40E-02	1.35E-02	1.29E-02	1.15E-02	1.07E-02	1.01E-02	9.05E-03
Kidneys	0.0	0.0	0.0	1.54E-06	8.52E-05	1.94E-04	3.49E-04	5.59E-04	6.77E-04	7.23E-04	7.46E-04	7.81E-04
Liver	0.0	0.0	0.0	1.01E-06	5.73E-05	1.24E-04	2.14E-04	3.41E-04	4.36E-04	4.93E-04	5.35E-04	6.47E-04
ET1-bas	0.0	0.0	0.0	0.0	5.98E-08	1.51E-06	6.05E-06	1.96E-05	3.86E-05	5.29E-05	6.61E-05	8.47E-05
ET2-bas	0.0	0.0	0.0	0.0	5.98E-08	1.51E-06	6.05E-06	1.96E-05	3.86E-05	5.29E-05	6.61E-05	8.47E-05
LN-ET	0.0	0.0	0.0	0.0	5.98E-08	1.51E-06	6.05E-06	1.96E-05	3.86E-05	5.29E-05	6.61E-05	8.47E-05
BBi-bas	0.0	0.0	0.0	0.0	2.04E-08	4.37E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.37E-04
BBi-sec	0.0	0.0	0.0	0.0	2.04E-08	4.37E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.37E-04
bbe-sec	0.0	0.0	0.0	0.0	2.04E-08	4.37E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.37E-04
AI	0.0	0.0	0.0	0.0	2.04E-08	4.37E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.37E-04
LN-Th	0.0	0.0	0.0	0.0	2.04E-08	4.37E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.37E-04
Ing_Tiss	0.0	0.0	0.0	0.0	2.04E-08	4.37E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.37E-04
Lung_NP	0.0	0.0	0.0	0.0	0.0	5.98E-08	1.51E-06	6.05E-06	1.96E-05	3.86E-05	5.29E-05	6.61E-05
Lung_TB	0.0	0.0	0.0	0.0	2.04E-08	4.37E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.37E-04
Lung_P	0.0	0.0	0.0	0.0	2.04E-08	4.37E-06	2.73E-05	6.19E-05	1.28E-04	1.73E-04	1.95E-04	2.37E-04
Muscle	3.12E-03	7.60E-03	1.08E-02	1.17E-02	8.49E-03	6.11E-03	6.02E-03	6.28E-03	6.19E-03	6.02E-03	5.64E-03	5.31E-03
Ovaries	0.0	0.0	0.0	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	5.40E-07	4.61E-05	1.90E-04	3.14E-04	4.68E-04	5.51E-04	5.88E-04	6.15E-04	5.81E-04
R_Marrow	0.0	5.46E-08	7.51E-06	3.45E-04	1.66E-03	2.18E-03	2.29E-03	2.64E-03	2.60E-03	2.29E-03	2.08E-03	1.86E-03
Skin	2.88E-03	1.35E-02	2.09E-02	1.73E-02	8.98E-03	5.79E-03	6.04E-03	6.69E-03	6.14E-03	5.52E-03	5.15E-03	4.72E-03
Spleen	0.0	0.0	0.0	4.11E-07	3.76E-05	1.62E-04	2.74E-04	4.15E-04	4.98E-04	5.40E-04	5.57E-04	5.37E-04
Testes	5.58E+01	3.96E+01	2.49E+01	9.84E+00	3.24E+00	1.90E+00	2.08E+00	2.25E+00	2.09E+00	1.93E+00	1.79E+00	1.42E+00
Thymus	0.0	0.0	0.0	1.10E-09	1.06E-06	1.23E-05	3.34E-05	7.49E-05	1.16E-04	1.41E-04	1.63E-04	1.81E-04
Thyroid	0.0	0.0	0.0	0.0	5.98E-08	1.51E-06	6.05E-06	1.96E-05	3.86E-05	5.29E-05	6.61E-05	8.47E-05
GB_Wall	0.0	0.0	1.57E-10	5.36E-06	1.80E-04	4.97E-04	7.04E-04	9.10E-04	9.92E-04	1.02E-03	1.04E-03	9.36E-04
Ht_Wall	0.0	0.0	0.0	2.29E-08	6.46E-06	4.52E-05	9.55E-05	1.75E-04	2.37E-04	2.74E-04	2.94E-04	3.04E-04
Uterus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = Thymus	Energy (MeV)												
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000	
Adrenals	0.0	3.36E-07	2.60E-04	2.47E-03	2.66E-03	2.78E-03	2.83E-03	2.78E-03	2.74E-03	2.71E-03	2.62E-03	2.62E-03	
UB_Wall	0.0	0.0	0.0	3.10E-08	7.74E-06	5.15E-05	1.08E-04	1.91E-04	2.54E-04	2.89E-04	3.15E-04	3.20E-04	
Bone_Sur	8.92E-07	1.05E-03	6.05E-03	1.49E-02	1.67E-02	9.07E-03	5.23E-03	3.80E-03	3.62E-03	3.38E-03	3.15E-03	2.60E-03	
Brain	0.0	0.0	3.96E-09	1.50E-09	1.50E-05	2.22E-04	4.80E-04	6.89E-04	9.36E-04	1.13E-03	1.20E-03	1.23E-03	1.20E-03
Breasts	0.0	1.57E-05	1.49E-03	1.28E-02	2.06E-02	1.60E-02	1.56E-02	1.56E-02	1.57E-02	1.53E-02	1.46E-02	1.22E-02	
St_Wall	0.0	0.0	1.26E-06	3.21E-04	1.57E-03	3.29E-03	3.14E-03	3.14E-03	2.76E-03	2.69E-03	2.63E-03	2.60E-03	
SI_Wall	0.0	0.0	0.0	2.37E-06	1.47E-04	3.22E-04	4.57E-04	5.70E-04	6.83E-04	7.45E-04	7.79E-04	8.23E-04	
ULI_Wall	0.0	0.0	1.58E-10	4.43E-06	2.78E-04	3.40E-04	4.14E-04	5.28E-04	6.25E-04	6.85E-04	7.29E-04	8.43E-04	
LLI_Wall	0.0	0.0	0.0	3.60E-07	2.50E-05	1.05E-04	1.80E-04	2.83E-04	3.51E-04	3.88E-04	4.05E-04	4.01E-04	
Kidneys	0.0	5.08E-09	2.66E-05	4.26E-04	1.33E-03	1.30E-03	1.53E-03	1.53E-03	1.65E-03	1.63E-03	1.59E-03	1.49E-03	
Liver	0.0	6.96E-10	4.54E-06	7.83E-04	3.46E-03	3.82E-03	3.65E-03	3.92E-03	3.77E-03	3.67E-03	3.58E-03	3.20E-03	
ET1-bas	0.0	1.68E-07	1.84E-04	6.21E-03	1.24E-02	1.49E-02	1.20E-02	1.11E-02	1.06E-02	9.92E-03	9.27E-03	7.55E-03	
ET2-bas	0.0	1.68E-07	1.84E-04	6.21E-03	1.24E-02	1.49E-02	1.20E-02	1.11E-02	1.06E-02	9.92E-03	9.27E-03	7.55E-03	
LN-ET	0.0	1.68E-07	1.84E-04	6.21E-03	1.24E-02	1.49E-02	1.20E-02	1.11E-02	1.06E-02	9.92E-03	9.27E-03	7.55E-03	
BBi-bas	0.0	3.02E-05	2.37E-03	2.00E-02	2.70E-02	1.93E-02	1.61E-02	1.57E-02	1.44E-02	1.35E-02	1.26E-02	1.00E-02	
BBi-sec	0.0	3.02E-05	2.37E-03	2.00E-02	2.70E-02	1.93E-02	1.61E-02	1.57E-02	1.44E-02	1.35E-02	1.26E-02	1.00E-02	
bbe-sec	0.0	3.02E-05	2.37E-03	2.00E-02	2.70E-02	1.93E-02	1.61E-02	1.57E-02	1.44E-02	1.35E-02	1.26E-02	1.00E-02	
AI	0.0	3.02E-05	2.37E-03	2.00E-02	2.70E-02	1.93E-02	1.61E-02	1.57E-02	1.44E-02	1.35E-02	1.26E-02	1.00E-02	
LN-Th	0.0	3.02E-05	2.37E-03	2.00E-02	2.70E-02	1.93E-02	1.61E-02	1.57E-02	1.44E-02	1.35E-02	1.26E-02	1.00E-02	
Ing_Tiss	0.0	3.02E-05	2.37E-03	2.00E-02	2.70E-02	1.93E-02	1.61E-02	1.57E-02	1.44E-02	1.35E-02	1.26E-02	1.00E-02	
Lung_NP	0.0	1.68E-07	1.84E-04	6.21E-03	1.24E-02	1.49E-02	1.20E-02	1.11E-02	1.06E-02	9.92E-03	9.27E-03	7.55E-03	
Lung_TB	0.0	3.02E-05	2.37E-03	2.00E-02	2.70E-02	1.93E-02	1.61E-02	1.57E-02	1.44E-02	1.35E-02	1.26E-02	1.00E-02	
Lung_P	0.0	3.02E-05	2.37E-03	2.00E-02	2.70E-02	1.93E-02	1.61E-02	1.57E-02	1.44E-02	1.35E-02	1.26E-02	1.00E-02	
Muscle	2.76E-03	8.00E-03	1.23E-02	1.32E-02	9.60E-03	6.70E-03	6.30E-03	6.27E-03	5.97E-03	5.57E-03	5.22E-03	4.34E-03	
Ovaries	0.0	0.0	0.0	1.91E-07	2.43E-05	1.19E-04	2.16E-04	3.38E-04	4.16E-04	4.53E-04	4.82E-04	4.66E-04	
Pancreas	0.0	0.0	6.36E-07	3.29E-04	2.01E-03	4.01E-03	3.39E-03	3.78E-03	3.39E-03	3.01E-03	2.85E-03	3.04E-03	
R_Marrow	2.95E-05	3.14E-04	1.68E-03	3.87E-03	4.70E-03	4.35E-03	4.41E-03	4.68E-03	4.42E-03	4.09E-03	3.82E-03	3.19E-03	
Skin	1.27E-05	2.14E-04	1.59E-03	3.60E-03	3.26E-03	2.68E-03	2.89E-03	3.21E-03	3.26E-03	3.03E-03	2.83E-03	2.52E-03	
Spleen	0.0	0.0	7.20E-08	3.33E-04	1.73E-03	2.65E-03	2.23E-03	2.34E-03	2.35E-03	2.30E-03	2.26E-03	2.12E-03	
Testes	0.0	0.0	0.0	1.10E-09	1.06E-06	1.23E-05	3.34E-05	7.49E-05	1.16E-04	1.41E-04	1.63E-04	1.81E-04	
Thymus	3.14E+01	2.33E+01	1.51E+01	6.29E+00	2.20E+00	1.26E+00	1.33E+00	1.47E+00	1.36E+00	1.25E+00	1.16E+00	9.30E-01	
Thyroid	0.0	1.68E-07	1.84E-04	6.21E-03	1.24E-02	1.49E-02	1.20E-02	1.11E-02	1.06E-02	9.92E-03	9.27E-03	7.55E-03	
GB_Wall	0.0	0.0	8.31E-08	9.02E-05	9.31E-04	1.52E-03	1.84E-03	2.10E-03	2.13E-03	2.10E-03	2.09E-03	1.80E-03	
Ht_Wall	2.57E-04	1.05E-02	3.56E-02	6.86E-02	5.95E-02	4.00E-02	3.65E-02	3.36E-02	3.13E-02	2.85E-02	2.05E-02	2.05E-02	
Uterus	0.0	0.0	0.0	1.66E-07	2.23E-05	1.12E-04	2.05E-04	3.21E-04	3.99E-04	4.28E-04	4.40E-04	4.55E-04	

Specific Absorbed Fraction of Photon Energy in kg⁻¹: Recommended Values for Age 15 Male or Adult Female

Source = Thyroid

		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	0.0	0.0	4.23E-06	1.62E-04	4.64E-04	6.77E-04	8.29E-04	9.64E-04	9.92E-04	1.01E-03	9.15E-04
UB_Wall1	0.0	0.0	0.0	2.56E-10	4.32E-07	6.37E-06	1.95E-05	4.89E-05	8.15E-05	1.03E-04	1.22E-04	1.41E-04
Bone_Sur	1.17E-09	1.25E-04	2.36E-03	1.58E-02	2.47E-02	1.34E-02	7.38E-03	5.23E-03	4.79E-03	4.37E-03	3.72E-03	3.72E-03
Brain	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	7.20E-03	6.62E-03	5.37E-03	5.37E-03
Breasts	0.0	0.0	2.88E-07	2.49E-04	1.48E-03	1.98E-03	2.00E-03	2.38E-03	2.67E-03	2.81E-03	2.83E-03	2.52E-03
St_Wall1	0.0	0.0	0.0	2.42E-06	1.00E-04	2.84E-04	4.85E-04	6.59E-04	7.53E-04	7.84E-04	7.24E-04	7.24E-04
SI_Wall1	0.0	0.0	0.0	2.13E-08	6.12E-06	5.80E-05	7.88E-05	1.18E-04	1.61E-04	1.93E-04	2.19E-04	2.97E-04
ULI_Wall1	0.0	0.0	0.0	3.68E-08	8.45E-06	5.42E-05	1.12E-04	1.94E-04	2.59E-04	2.95E-04	3.21E-04	3.24E-04
LLI_Wall1	0.0	0.0	0.0	3.22E-09	1.48E-06	1.37E-05	3.44E-05	7.34E-05	1.11E-04	1.35E-04	1.55E-04	1.72E-04
Kidneys	0.0	0.0	0.0	4.16E-07	3.82E-05	1.85E-04	3.50E-04	5.00E-04	5.60E-04	5.66E-04	5.70E-04	5.20E-04
Liver	0.0	0.0	1.42E-10	4.07E-06	2.52E-04	6.58E-04	7.64E-04	8.58E-04	9.32E-04	9.77E-04	9.88E-04	9.19E-04
ET1-bas	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	7.20E-03	6.62E-03	6.62E-03	5.37E-03
ET2-bas	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	7.20E-03	6.62E-03	6.62E-03	5.37E-03
LN-ET	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	7.20E-03	6.62E-03	6.62E-03	5.37E-03
BBi-bas	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
BBi-sec	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
bbe-sec	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
AI	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
LN-Th	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
Ing_Tiss	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
Lung_NP	0.0	1.01E-07	8.44E-05	1.35E-03	5.84E-03	7.33E-03	6.87E-03	7.32E-03	7.20E-03	6.62E-03	6.62E-03	5.37E-03
Lung_TB	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
Lung_P	0.0	6.29E-08	6.88E-05	2.32E-03	6.70E-03	6.18E-03	5.39E-03	5.11E-03	5.06E-03	4.69E-03	4.41E-03	4.13E-03
Muscle	4.49E-03	1.13E-02	1.64E-02	1.70E-02	1.15E-02	7.67E-03	7.25E-03	7.19E-03	6.72E-03	6.17E-03	5.74E-03	4.77E-03
Ovaries	0.0	0.0	0.0	1.82E-09	1.48E-06	1.58E-05	4.12E-05	8.88E-05	1.34E-04	1.61E-04	1.84E-04	2.01E-04
Pancreas	0.0	0.0	0.0	2.97E-06	1.30E-04	3.80E-04	5.60E-04	7.40E-04	8.80E-04	9.09E-04	9.30E-04	8.30E-04
R_Marrow	2.90E-07	1.79E-05	3.32E-04	2.42E-03	4.76E-03	4.69E-03	4.41E-03	4.45E-03	4.08E-03	3.84E-03	3.67E-03	3.21E-03
Skin	0.0	2.11E-05	4.76E-04	2.47E-03	2.97E-03	2.56E-03	2.76E-03	2.94E-03	2.84E-03	2.66E-03	2.54E-03	2.36E-03
Spleen	0.0	0.0	0.0	1.69E-06	8.84E-05	5.30E-04	8.40E-04	8.70E-04	8.20E-04	7.78E-04	7.50E-04	6.80E-04
Testes	0.0	0.0	0.0	0.0	0.0	5.98E-08	1.51E-06	6.05E-06	1.96E-05	3.86E-05	5.29E-05	6.61E-05
Thymus	0.0	1.68E-07	1.84E-04	6.21E-03	1.24E-02	1.49E-02	1.20E-02	1.11E-02	1.06E-02	9.92E-03	9.27E-03	7.55E-03
Thyroid	6.64E+01	4.35E+01	2.60E+01	1.02E+01	3.43E+00	2.03E+00	2.20E+00	2.43E+00	2.08E+00	1.90E+00	1.49E+00	
GB_Wall1	0.0	0.0	0.0	6.75E-07	4.94E-05	1.95E-04	3.22E-04	4.70E-04	5.53E-04	5.89E-04	6.17E-04	5.82E-04
Ht_Wall1	0.0	0.0	5.92E-07	1.91E-04	2.01E-03	2.69E-03	2.62E-03	2.74E-03	2.88E-03	2.99E-03	3.00E-03	2.67E-03
Uterus	0.0	0.0	0.0	1.46E-09	1.30E-06	1.44E-05	3.82E-05	8.35E-05	1.27E-04	1.54E-04	1.76E-04	1.93E-04

Specific Absorbed Fraction of Photon Energy in kg⁻¹: Recommended Values for Age 15 Male or Adult Female

Source = GB_Cont		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	2.50E-06	6.37E-04	1.26E-02	2.08E-02	2.09E-02	1.92E-02	1.80E-02	1.43E-02	1.28E-02	1.06E-02	1.21E-02
UB_Wall	0.0	0.0	2.91E-07	2.09E-04	1.47E-03	3.54E-03	3.67E-03	3.08E-03	2.90E-03	2.85E-03	2.78E-03	2.36E-03
Bone_Sur	0.0	6.82E-07	1.56E-04	3.73E-03	1.12E-02	8.54E-03	4.96E-03	3.11E-03	2.95E-03	2.79E-03	2.64E-03	2.26E-03
Brain	0.0	0.0	0.0	3.09E-09	1.55E-06	9.18E-06	2.15E-05	6.35E-05	1.08E-04	1.37E-04	1.57E-04	2.13E-04
Breasts	0.0	0.0	2.70E-07	1.37E-04	1.34E-03	2.25E-03	2.21E-02	2.03E-03	2.40E-03	2.35E-03	2.38E-03	2.39E-03
St_Wall	0.0	5.08E-06	1.09E-03	1.41E-02	2.62E-02	1.79E-02	1.79E-02	1.79E-02	1.51E-02	1.45E-02	1.40E-02	1.13E-02
SI_Wall	5.42E-05	9.75E-04	7.57E-03	3.19E-02	4.02E-02	2.98E-02	2.54E-02	2.35E-02	2.17E-02	1.96E-02	1.79E-02	1.46E-02
ULI_Wall	2.74E-05	9.66E-03	3.95E-02	8.79E-02	7.69E-02	5.08E-02	4.45E-02	3.99E-02	3.71E-02	3.37E-02	3.08E-02	2.43E-02
LLI_Wall	0.0	7.34E-10	6.23E-06	9.05E-04	3.43E-03	4.77E-03	3.98E-03	3.49E-03	3.31E-03	3.15E-03	3.06E-03	3.07E-03
Kidneys	0.0	4.01E-06	1.12E-03	1.56E-02	2.92E-02	2.42E-02	2.09E-02	1.87E-02	1.70E-02	1.62E-02	1.54E-02	1.21E-02
Liver	6.13E-04	1.44E-02	5.15E-02	9.50E-02	7.95E-02	5.19E-02	5.19E-02	4.65E-02	4.34E-02	4.06E-02	3.72E-02	3.43E-02
ET1-bas	0.0	0.0	0.0	5.05E-07	4.27E-05	1.79E-04	3.56E-04	4.92E-04	5.27E-04	5.60E-04	5.60E-04	5.60E-04
ET2-bas	0.0	0.0	0.0	5.05E-07	4.27E-05	1.79E-04	3.56E-04	4.92E-04	5.27E-04	5.60E-04	5.60E-04	5.60E-04
LN-ET	0.0	0.0	0.0	5.05E-07	4.27E-05	1.79E-04	3.56E-04	4.92E-04	5.27E-04	5.60E-04	5.60E-04	5.60E-04
BBi-bas	0.0	8.77E-08	4.54E-05	1.59E-03	4.95E-03	4.95E-03	4.70E-03	4.41E-03	3.98E-03	3.77E-03	3.66E-03	3.54E-03
BBi-sec	0.0	8.77E-08	4.54E-05	1.59E-03	4.95E-03	4.95E-03	4.70E-03	4.41E-03	3.98E-03	3.77E-03	3.66E-03	3.54E-03
bbe-sec	0.0	8.77E-08	4.54E-05	1.59E-03	4.95E-03	4.95E-03	4.70E-03	4.41E-03	3.98E-03	3.77E-03	3.66E-03	3.54E-03
AI	0.0	8.77E-08	4.54E-05	1.59E-03	4.95E-03	4.95E-03	4.70E-03	4.41E-03	3.98E-03	3.77E-03	3.66E-03	3.54E-03
LN-Th	0.0	8.77E-08	4.54E-05	1.59E-03	4.95E-03	4.95E-03	4.70E-03	4.41E-03	3.98E-03	3.77E-03	3.66E-03	3.54E-03
Lng_Tiss	0.0	8.77E-08	4.54E-05	1.59E-03	4.95E-03	4.95E-03	4.70E-03	4.41E-03	3.98E-03	3.77E-03	3.66E-03	3.54E-03
Lung_NP	0.0	0.0	0.0	5.05E-07	4.27E-05	1.79E-04	3.56E-04	4.92E-04	5.27E-04	5.60E-04	5.60E-04	5.60E-04
Lung_TB	0.0	8.77E-08	4.54E-05	1.59E-03	4.95E-03	4.95E-03	4.70E-03	4.41E-03	3.98E-03	3.77E-03	3.66E-03	3.54E-03
Lung_P	0.0	8.77E-08	4.54E-05	1.59E-03	4.95E-03	4.95E-03	4.70E-03	4.41E-03	3.98E-03	3.77E-03	3.66E-03	3.54E-03
Muscle	9.68E-04	4.79E-03	8.78E-03	1.17E-02	9.82E-03	7.28E-03	6.68E-03	6.55E-03	6.12E-03	5.73E-03	5.40E-03	4.54E-03
Ovaries	0.0	1.43E-09	1.53E-05	2.15E-03	6.66E-03	9.19E-03	7.66E-03	7.36E-03	6.51E-03	5.57E-03	5.09E-03	5.11E-03
Pancreas	3.94E-04	4.12E-03	2.18E-02	6.96E-02	6.85E-02	4.52E-02	4.04E-02	3.45E-02	3.25E-02	3.03E-02	2.78E-02	1.99E-02
R_Marrow	0.0	1.66E-06	6.01E-05	1.35E-03	4.54E-03	5.55E-03	5.55E-03	5.59E-03	5.22E-03	4.77E-03	4.45E-03	3.88E-03
Skin	4.72E-09	1.61E-06	1.01E-04	9.02E-04	1.93E-03	1.83E-03	1.85E-03	2.09E-03	2.16E-03	2.10E-03	2.03E-03	1.81E-03
Spleen	0.0	3.58E-09	2.36E-05	2.39E-03	8.07E-03	9.90E-03	8.69E-03	8.32E-03	7.97E-03	7.60E-03	7.17E-03	5.62E-03
Testes	0.0	0.0	1.42E-10	5.50E-06	1.88E-04	5.10E-04	7.33E-04	9.38E-04	1.02E-03	1.05E-03	1.07E-03	9.60E-04
Thymus	0.0	4.26E-08	6.87E-05	1.08E-03	1.72E-03	2.09E-03	2.25E-03	2.32E-03	2.20E-03	2.05E-03	1.71E-03	
Thyroid	0.0	0.0	0.0	5.05E-07	4.27E-05	1.79E-04	3.56E-04	4.92E-04	5.27E-04	5.60E-04	5.91E-04	5.60E-04
GB_Wall	5.10E+00	5.93E+00	5.14E+00	2.69E+00	1.04E+00	5.84E-01	6.04E-01	6.28E-01	6.00E-01	5.32E-01	4.75E-01	3.56E-01
Ht_Wall	0.0	5.94E-08	4.26E-05	2.59E-03	6.39E-03	7.78E-03	7.01E-03	6.55E-03	6.41E-03	6.06E-03	5.73E-03	4.90E-03
Uterus	0.0	3.81E-10	9.77E-06	1.92E-03	7.21E-03	8.67E-03	7.31E-03	6.00E-03	6.28E-03	5.73E-03	5.00E-03	

Specific Absorbed Fraction of Photon Energy in kg⁻¹: Recommended Values for Age 15 Male or Adult Female

Source = GB_Wall	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	7.21E-06	1.15E-03	1.29E-02	2.35E-02	2.48E-02	1.98E-02	1.71E-02	1.46E-02	1.30E-02	1.21E-02	1.06E-02
UB_Wall	0.0	0.0	3.19E-07	2.23E-04	2.31E-03	4.06E-03	4.05E-03	3.65E-03	3.34E-03	3.11E-03	2.96E-03	2.52E-03
Bone_Sur	0.0	6.82E-07	1.56E-04	3.73E-03	1.12E-02	8.54E-03	4.96E-03	3.11E-03	2.95E-03	2.79E-03	2.64E-03	2.26E-03
Brain	0.0	0.0	4.04E-09	1.77E-06	1.00E-05	2.28E-05	5.02E-05	8.69E-05	1.15E-04	1.40E-04	1.85E-04	1.85E-04
Breasts	0.0	0.0	3.97E-07	2.02E-04	1.51E-03	2.18E-03	2.49E-03	2.75E-03	2.75E-03	2.70E-03	2.64E-03	2.25E-03
St_Wall	0.0	9.29E-06	1.27E-03	1.61E-02	3.10E-02	2.65E-02	2.23E-02	1.90E-02	1.68E-02	1.52E-02	1.42E-02	1.17E-02
SI_Wall	2.07E-04	2.00E-03	9.97E-03	2.82E-02	3.77E-02	2.87E-02	2.48E-02	2.56E-02	1.94E-02	1.61E-02	1.46E-02	1.33E-02
ULI_Wall	4.44E-04	1.82E-02	5.52E-02	9.52E-02	8.03E-02	5.38E-02	4.66E-02	4.21E-02	3.77E-02	3.42E-02	3.18E-02	2.61E-02
LLI_Wall	0.0	1.06E-09	6.86E-06	7.34E-04	3.88E-03	5.39E-03	5.09E-03	4.49E-03	4.07E-03	3.76E-03	3.56E-03	3.01E-03
Kidneys	0.0	6.36E-06	1.26E-03	1.86E-02	2.68E-02	2.55E-02	2.10E-02	1.90E-02	1.73E-02	1.62E-02	1.51E-02	1.14E-02
Liver	1.55E-03	2.14E-02	6.58E-02	1.21E-01	9.78E-02	5.31E-02	4.21E-02	4.22E-02	4.07E-02	3.78E-02	3.50E-02	2.71E-02
ET1-bas	0.0	0.0	6.75E-07	4.94E-05	1.95E-04	3.22E-04	4.70E-04	5.53E-04	5.32E-04	5.89E-04	6.17E-04	5.82E-04
ET2-bas	0.0	0.0	6.75E-07	4.94E-05	1.95E-04	3.22E-04	4.70E-04	5.53E-04	5.32E-04	5.89E-04	6.17E-04	5.82E-04
LN-ET	0.0	0.0	6.75E-07	4.94E-05	1.95E-04	3.22E-04	4.70E-04	5.53E-04	5.32E-04	5.89E-04	6.17E-04	5.82E-04
BBi-bas	2.20E-10	4.27E-07	9.18E-05	2.24E-03	6.17E-03	5.55E-03	4.99E-03	4.99E-03	3.91E-03	3.79E-03	3.70E-03	3.12E-03
BBi-sec	2.20E-10	4.27E-07	9.18E-05	2.24E-03	6.17E-03	5.55E-03	4.99E-03	4.99E-03	3.91E-03	3.79E-03	3.70E-03	3.12E-03
bbe-sec	2.20E-10	4.27E-07	9.18E-05	2.24E-03	6.17E-03	5.55E-03	4.99E-03	4.99E-03	3.91E-03	3.79E-03	3.70E-03	3.12E-03
AI	2.20E-10	4.27E-07	9.18E-05	2.24E-03	6.17E-03	5.55E-03	4.99E-03	4.99E-03	3.91E-03	3.79E-03	3.70E-03	3.12E-03
LN-Th	2.20E-10	4.27E-07	9.18E-05	2.24E-03	6.17E-03	5.55E-03	4.99E-03	4.99E-03	3.91E-03	3.79E-03	3.70E-03	3.12E-03
Ing_Tiss	2.20E-10	4.27E-07	9.18E-05	2.24E-03	6.17E-03	5.55E-03	4.99E-03	4.99E-03	3.91E-03	3.79E-03	3.70E-03	3.12E-03
Lung_NP	0.0	0.0	0.0	6.75E-07	4.94E-05	1.95E-04	3.22E-04	4.70E-04	5.53E-04	5.32E-04	5.89E-04	6.17E-04
Lung_TB	2.20E-10	4.27E-07	9.18E-05	2.24E-03	6.17E-03	5.55E-03	4.99E-03	4.99E-03	3.91E-03	3.79E-03	3.70E-03	3.12E-03
Lung_P	2.20E-10	4.27E-07	9.18E-05	2.24E-03	6.17E-03	5.55E-03	4.99E-03	4.99E-03	3.91E-03	3.79E-03	3.70E-03	3.12E-03
Muscle	7.00E-03	1.00E-02	1.20E-02	1.20E-02	9.00E-03	7.00E-03	6.30E-03	6.00E-03	5.70E-03	5.30E-03	5.00E-03	4.46E-03
Ovaries	0.0	2.35E-09	1.73E-05	1.62E-03	7.41E-03	1.00E-02	7.20E-03	5.99E-03	5.76E-03	5.48E-03	5.22E-03	4.50E-03
Pancreas	4.14E-05	1.11E-02	3.66E-02	9.15E-02	8.47E-02	5.65E-02	4.76E-02	4.27E-02	4.06E-02	3.58E-02	3.20E-02	2.49E-02
R_Marrow	0.0	1.66E-06	6.01E-05	1.35E-03	4.54E-03	5.55E-03	5.59E-03	5.22E-03	4.77E-03	4.45E-03	3.88E-03	3.88E-03
Skin	7.25E-09	2.24E-06	1.31E-04	1.38E-03	3.22E-03	3.46E-03	3.16E-03	2.80E-03	2.55E-03	2.36E-03	2.24E-03	1.90E-03
Spleen	0.0	7.78E-09	3.50E-05	2.50E-03	8.87E-03	1.20E-02	9.81E-03	7.85E-03	6.92E-03	6.67E-03	6.44E-03	5.35E-03
Testes	0.0	0.0	1.57E-10	5.36E-06	1.80E-04	4.97E-04	7.04E-04	9.10E-04	9.92E-04	1.02E-03	1.04E-03	9.36E-04
Thymus	0.0	0.0	8.31E-08	9.02E-05	9.31E-04	1.52E-03	1.84E-03	2.10E-03	2.13E-03	2.10E-03	2.09E-03	1.80E-03
Thyroid	0.0	0.0	0.0	6.75E-07	4.94E-05	1.95E-04	3.22E-04	4.70E-04	5.53E-04	5.89E-04	6.17E-04	5.82E-04
GB_Wall	4.83E+01	2.23E+01	1.20E+01	4.63E+00	1.64E+00	9.30E-01	9.92E-01	1.09E+00	1.03E+00	9.41E-01	8.54E-01	6.31E-01
Ht_Wall	0.0	1.89E-07	8.81E-05	2.68E-03	6.29E-03	1.00E-02	9.61E-03	7.36E-03	6.27E-03	6.04E-03	5.84E-03	4.87E-03
Uterus	0.0	5.83E-10	1.07E-05	1.43E-03	6.70E-03	9.10E-03	8.70E-03	7.10E-03	5.63E-03	5.38E-03	5.25E-03	4.40E-03

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = Ht_Cont		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	3.84E-07	2.13E-04	7.05E-03	1.64E-02	1.54E-02	1.32E-02	1.34E-02	1.14E-02	1.03E-02	9.73E-03	8.77E-03
UB_Wall1	0.0	0.0	4.35E-07	3.78E-05	1.62E-04	2.98E-04	4.61E-04	5.27E-04	5.47E-04	5.57E-04	5.47E-04	5.30E-04
Bone_Sur	4.50E-06	1.50E-04	1.80E-03	1.06E-02	1.92E-02	1.18E-02	6.33E-03	4.36E-03	3.97E-03	3.56E-03	2.91E-03	2.91E-03
Brain	0.0	0.0	0.0	1.43E-05	3.82E-05	1.43E-04	3.00E-04	4.24E-04	5.65E-04	6.30E-04	6.55E-04	6.67E-04
Breasts	2.58E-10	4.11E-05	1.26E-03	1.19E-02	2.06E-02	1.56E-02	1.50E-02	1.49E-02	1.48E-02	1.38E-02	1.28E-02	1.07E-02
St_Wall1	0.0	2.44E-05	1.17E-03	6.78E-03	1.41E-02	1.20E-02	1.04E-02	1.11E-02	9.24E-03	9.02E-03	8.89E-03	7.15E-03
SI_Wall1	0.0	0.0	1.87E-08	7.69E-05	5.66E-04	1.28E-03	1.38E-03	1.58E-03	1.55E-03	1.61E-03	1.62E-03	1.29E-03
ULI_Wall1	0.0	0.0	5.31E-08	7.39E-05	7.60E-04	1.77E-03	1.75E-03	1.84E-03	1.90E-03	1.81E-03	1.73E-03	1.65E-03
LLI_Wall1	0.0	0.0	1.01E-09	5.90E-06	1.35E-04	2.48E-04	4.11E-04	6.38E-04	7.32E-04	7.46E-04	7.42E-04	7.07E-04
Kidneys	0.0	1.34E-10	2.72E-06	7.41E-04	3.55E-03	4.51E-03	4.35E-03	4.45E-03	4.42E-03	4.00E-03	3.74E-03	3.75E-03
Liver	3.33E-06	1.67E-04	2.69E-03	1.39E-02	1.94E-02	1.54E-02	1.35E-02	1.24E-02	1.16E-02	1.07E-02	1.00E-02	8.41E-03
ET1-bas	0.0	0.0	6.54E-07	2.41E-04	2.24E-03	4.02E-03	3.59E-03	2.98E-03	3.37E-03	3.31E-03	3.17E-03	2.96E-03
ET2-bas	0.0	0.0	6.54E-07	2.41E-04	2.24E-03	4.02E-03	3.59E-03	2.98E-03	3.37E-03	3.31E-03	3.17E-03	2.96E-03
LN-ET	0.0	0.0	6.54E-07	2.41E-04	2.24E-03	4.02E-03	3.59E-03	2.98E-03	3.37E-03	3.31E-03	3.17E-03	2.96E-03
BBi-bas	3.59E-04	3.95E-03	2.17E-02	5.66E-02	5.03E-02	3.25E-02	2.77E-02	2.62E-02	2.43E-02	2.14E-02	1.95E-02	1.67E-02
BBi-sec	3.59E-04	3.95E-03	2.17E-02	5.66E-02	5.03E-02	3.25E-02	2.77E-02	2.62E-02	2.43E-02	2.14E-02	1.95E-02	1.67E-02
bbe-sec	3.59E-04	3.95E-03	2.17E-02	5.66E-02	5.03E-02	3.25E-02	2.77E-02	2.62E-02	2.43E-02	2.14E-02	1.95E-02	1.67E-02
AI	3.59E-04	3.95E-03	2.17E-02	5.66E-02	5.03E-02	3.25E-02	2.77E-02	2.62E-02	2.43E-02	2.14E-02	1.95E-02	1.67E-02
LN-Th	3.59E-04	3.95E-03	2.17E-02	5.66E-02	5.03E-02	3.25E-02	2.77E-02	2.62E-02	2.43E-02	2.14E-02	1.95E-02	1.67E-02
Ing_Tiss	3.59E-04	3.95E-03	2.17E-02	5.66E-02	5.03E-02	3.25E-02	2.77E-02	2.62E-02	2.43E-02	2.14E-02	1.95E-02	1.67E-02
Lung_NP	0.0	0.0	6.54E-07	2.41E-04	2.24E-03	4.02E-03	3.59E-03	2.98E-03	3.37E-03	3.31E-03	3.17E-03	2.96E-03
Lung_TB	3.59E-04	3.95E-03	2.17E-02	5.66E-02	5.03E-02	3.25E-02	2.77E-02	2.62E-02	2.43E-02	2.14E-02	1.95E-02	1.67E-02
Lung_P	3.59E-04	3.95E-03	2.17E-02	5.66E-02	5.03E-02	3.25E-02	2.77E-02	2.62E-02	2.43E-02	2.14E-02	1.95E-02	1.67E-02
Muscle	9.34E-05	1.24E-03	3.83E-03	7.64E-03	7.63E-03	5.82E-03	5.30E-03	5.17E-03	4.91E-03	4.62E-03	4.36E-03	3.65E-03
Ovaries	0.0	0.0	0.0	3.08E-06	1.70E-04	3.60E-04	5.60E-04	7.40E-04	7.70E-04	7.70E-04	7.70E-04	7.50E-04
Pancreas	0.0	1.52E-06	4.60E-04	9.92E-03	2.05E-02	1.74E-02	1.52E-02	1.47E-02	1.27E-02	1.22E-02	1.19E-02	9.34E-03
R_Marrow	1.49E-06	4.55E-05	5.16E-04	2.80E-03	5.50E-03	5.70E-03	5.46E-03	5.73E-03	5.18E-03	4.90E-03	4.67E-03	3.81E-03
Skin	2.12E-06	4.15E-05	3.43E-04	1.50E-03	2.23E-03	2.06E-03	2.28E-03	2.44E-03	2.41E-03	2.42E-03	2.38E-03	2.04E-03
Spleen	0.0	1.19E-08	2.90E-05	2.96E-03	7.22E-03	8.33E-03	7.51E-03	6.77E-03	6.14E-03	5.55E-03	5.19E-03	4.81E-03
Testes	0.0	0.0	0.0	1.41E-08	4.89E-06	3.72E-05	8.25E-05	1.55E-04	2.13E-04	2.46E-04	2.71E-04	2.81E-04
Thymus	3.10E-05	5.90E-03	3.02E-02	8.20E-02	7.30E-02	4.87E-02	4.34E-02	4.17E-02	3.77E-02	3.43E-02	3.16E-02	2.50E-02
Thyroid	0.0	0.0	6.54E-07	2.41E-04	2.24E-03	4.02E-03	3.59E-03	2.98E-03	3.37E-03	3.31E-03	2.98E-03	2.96E-03
GB_Wall1	0.0	3.30E-08	3.61E-05	1.80E-03	5.80E-03	7.50E-03	7.10E-03	6.20E-03	5.80E-03	5.50E-03	5.30E-03	4.40E-03
Ht_Wall1	2.54E-01	5.45E-01	6.84E-01	5.50E-01	2.82E-01	1.61E-01	1.66E-01	1.45E-01	1.33E-01	1.23E-01	9.89E-02	
Uterus	0.0	0.0	0.0	2.64E-06	1.22E-04	3.60E-04	6.06E-04	6.06E-04	7.54E-04	8.02E-04	8.27E-04	8.44E-04

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = Ht_Wall	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	1.47E-06	4.75E-04	9.12E-03	1.90E-02	1.69E-02	1.43E-02	1.37E-02	1.36E-02	1.19E-02	1.05E-02	7.98E-03
UB_Wall	0.0	0.0	0.0	6.96E-07	4.91E-05	1.92E-04	3.17E-04	4.62E-04	5.44E-04	5.81E-04	6.08E-04	5.74E-04
Bone_Sur	4.50E-06	1.50E-04	1.80E-03	1.06E-02	1.92E-02	1.18E-02	1.11E-02	6.33E-03	4.36E-03	3.97E-03	3.56E-03	2.91E-03
Brain	0.0	0.0	0.0	1.11E-06	4.17E-05	1.58E-04	2.93E-04	4.01E-04	5.08E-04	5.81E-04	6.23E-04	6.66E-04
Breasts	3.92E-06	1.70E-04	2.46E-03	1.68E-02	2.24E-02	1.71E-02	1.57E-02	1.75E-02	1.55E-02	1.46E-02	1.39E-02	1.13E-02
St_Wall	1.36E-05	3.97E-04	4.35E-03	1.86E-02	2.40E-02	1.73E-02	1.47E-02	1.56E-02	1.32E-02	1.15E-02	1.07E-02	1.03E-02
SI_Wall	0.0	0.0	5.46E-08	5.02E-05	7.82E-04	1.47E-03	1.54E-03	1.67E-03	1.80E-03	1.74E-03	1.65E-03	1.44E-03
ULI_Wall	0.0	0.0	1.57E-07	1.21E-04	7.06E-04	1.92E-03	2.05E-03	2.06E-03	2.31E-03	2.40E-03	2.37E-03	2.00E-03
LLI_Wall	0.0	0.0	3.74E-09	1.13E-05	2.20E-04	3.43E-04	5.21E-04	7.60E-04	8.66E-04	8.78E-04	8.67E-04	7.98E-04
Kidneys	0.0	6.76E-10	6.27E-06	8.02E-04	3.81E-03	5.02E-03	4.88E-03	4.74E-03	4.72E-03	4.23E-03	3.90E-03	3.73E-03
Liver	1.70E-04	1.38E-03	6.12E-03	1.80E-02	2.13E-02	1.59E-02	1.43E-02	1.42E-02	1.24E-02	1.16E-02	1.10E-02	9.07E-03
ET1-bas	0.0	0.0	5.92E-07	1.91E-04	2.01E-03	2.69E-03	2.62E-03	2.62E-03	2.74E-03	2.88E-03	2.99E-03	3.00E-03
ET2-bas	0.0	0.0	5.92E-07	1.91E-04	2.01E-03	2.69E-03	2.62E-03	2.62E-03	2.74E-03	2.88E-03	2.99E-03	3.00E-03
LN-ET	0.0	0.0	5.92E-07	1.91E-04	2.01E-03	2.69E-03	2.62E-03	2.62E-03	2.74E-03	2.88E-03	2.99E-03	3.00E-03
BBi-bas	2.70E-04	7.71E-03	2.94E-02	5.69E-02	4.78E-02	3.02E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02
BBi-sec	2.70E-04	7.71E-03	2.94E-02	5.69E-02	4.78E-02	3.02E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02
bbe-sec	2.70E-04	7.71E-03	2.94E-02	5.69E-02	4.78E-02	3.02E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02
AI	2.70E-04	7.71E-03	2.94E-02	5.69E-02	4.78E-02	3.02E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02
LN-Th	2.70E-04	7.71E-03	2.94E-02	5.69E-02	4.78E-02	3.02E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02
Ing_Tiss	2.70E-04	7.71E-03	2.94E-02	5.69E-02	4.78E-02	3.02E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02
Lung_NP	0.0	0.0	5.92E-07	1.91E-04	2.01E-03	2.69E-03	2.62E-03	2.62E-03	2.74E-03	2.88E-03	2.99E-03	3.00E-03
Lung_TB	2.70E-04	7.71E-03	2.94E-02	5.69E-02	4.78E-02	3.02E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02
Lung_P	2.70E-04	7.71E-03	2.94E-02	5.69E-02	4.78E-02	3.02E-02	2.65E-02	2.49E-02	2.29E-02	2.12E-02	1.97E-02	1.56E-02
Muscle	1.91E-03	4.55E-03	6.92E-03	9.13E-03	8.02E-03	5.93E-03	5.54E-03	5.46E-03	5.16E-03	4.82E-03	4.52E-03	3.77E-03
Ovaries	0.0	0.0	1.57E-10	4.98E-06	2.49E-04	4.51E-04	6.54E-04	8.36E-04	8.99E-04	9.10E-04	9.11E-04	9.05E-04
Pancreas	0.0	1.76E-05	2.26E-03	1.61E-02	2.88E-02	2.24E-02	1.93E-02	1.84E-02	1.52E-02	1.44E-02	1.38E-02	1.11E-02
R_Marrow	1.49E-06	4.55E-05	5.16E-04	2.80E-03	5.50E-03	5.70E-03	5.46E-03	5.73E-03	5.18E-03	4.90E-03	4.67E-03	3.81E-03
Skin	2.07E-05	1.31E-04	4.85E-04	1.60E-03	2.39E-03	2.17E-03	2.24E-03	2.53E-03	2.51E-03	2.40E-03	2.30E-03	2.09E-03
Spleen	0.0	1.13E-07	1.43E-04	4.43E-03	1.21E-02	1.04E-02	9.85E-03	8.71E-03	7.87E-03	8.01E-03	8.00E-03	6.63E-03
Testes	0.0	0.0	0.0	2.29E-08	6.46E-06	4.52E-05	9.55E-05	1.75E-04	2.37E-04	2.74E-04	2.94E-04	3.04E-04
Thymus	2.57E-04	1.05E-02	3.56E-02	6.86E-02	5.95E-02	4.00E-02	3.65E-02	3.36E-02	3.37E-02	3.13E-02	2.85E-02	2.05E-02
Thyroid	0.0	0.0	5.92E-07	1.91E-04	2.01E-03	2.69E-03	2.62E-03	2.74E-03	2.88E-03	2.99E-03	3.00E-03	2.67E-03
GB_Wall	0.0	1.89E-07	8.81E-05	2.68E-03	6.29E-03	1.00E-02	9.61E-03	7.36E-03	6.27E-03	6.04E-03	5.84E-03	4.87E-03
Ht_Wall	3.48E+00	2.53E+00	1.78E+00	9.26E-01	4.01E-01	2.34E-01	2.35E-01	2.45E-01	2.24E-01	2.02E-01	1.86E-01	1.52E-01
Uterus	0.0	0.0	1.09E-10	4.20E-06	2.00E-04	5.20E-04	7.00E-04	7.70E-04	7.60E-04	7.50E-04	7.40E-04	7.00E-04

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = Uterus	Energy (MeV)											
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	0.0	0.0	1.10E-08	5.05E-05	5.85E-04	1.52E-03	1.84E-03	1.83E-03	1.86E-03	1.96E-03	1.99E-03	1.69E-03
UB_Wall1	3.09E-04	2.03E-02	8.72E-02	1.63E-01	1.30E-01	7.79E-02	6.36E-02	6.53E-02	5.71E-02	5.40E-02	5.17E-02	4.39E-02
Bone_Sur	8.81E-10	1.39E-06	2.57E-04	5.71E-03	1.41E-02	1.00E-02	5.63E-03	3.52E-03	3.22E-03	2.79E-03	2.44E-03	
Brain	0.0	0.0	0.0	0.0	0.0	5.15E-08	7.73E-07	2.84E-06	9.76E-06	2.14E-05	3.42E-05	4.58E-05
Breasts	0.0	0.0	0.0	0.0	0.0	5.54E-07	4.61E-05	1.49E-04	2.86E-04	4.15E-04	5.03E-04	5.50E-04
St_Wall1	0.0	0.0	2.13E-06	6.59E-04	2.94E-03	4.34E-03	3.45E-03	3.35E-03	3.70E-03	3.53E-03	3.34E-03	3.08E-03
SI_Wall1	2.78E-04	4.50E-03	3.25E-02	8.73E-02	7.86E-02	5.39E-02	4.62E-02	4.29E-02	3.86E-02	3.51E-02	3.24E-02	2.63E-02
ULI_Wall1	8.95E-10	1.21E-04	3.68E-03	2.40E-02	3.62E-02	2.96E-02	2.52E-02	2.21E-02	1.99E-02	1.85E-02	1.72E-02	1.31E-02
LLI_Wall1	0.0	7.97E-05	4.66E-03	2.96E-02	4.58E-02	3.48E-02	2.84E-02	2.40E-02	2.20E-02	2.17E-02	2.13E-02	1.92E-02
Kidneys	0.0	0.0	1.94E-06	6.33E-04	2.81E-03	4.45E-03	3.86E-03	3.83E-03	4.03E-03	3.82E-03	3.68E-03	3.76E-03
Liver	0.0	0.0	3.47E-07	1.60E-04	1.31E-03	2.41E-03	2.25E-03	2.74E-03	2.80E-03	2.75E-03	2.68E-03	2.37E-03
ET1-bas	0.0	0.0	0.0	1.46E-09	1.30E-06	1.44E-05	3.82E-05	8.35E-05	1.27E-04	1.54E-04	1.76E-04	1.93E-04
ET2-bas	0.0	0.0	0.0	1.46E-09	1.30E-06	1.44E-05	3.82E-05	8.35E-05	1.27E-04	1.54E-04	1.76E-04	1.93E-04
LN-ET	0.0	0.0	0.0	1.46E-09	1.30E-06	1.44E-05	3.82E-05	8.35E-05	1.27E-04	1.54E-04	1.76E-04	1.93E-04
BBi-bas	0.0	0.0	1.14E-10	4.10E-06	1.24E-04	3.32E-04	4.74E-04	5.40E-04	6.11E-04	6.43E-04	6.63E-04	7.30E-04
BBi-sec	0.0	0.0	1.14E-10	4.10E-06	1.24E-04	3.32E-04	4.74E-04	5.40E-04	6.11E-04	6.43E-04	6.63E-04	7.30E-04
bbe-sec	0.0	0.0	1.14E-10	4.10E-06	1.24E-04	3.32E-04	4.74E-04	5.40E-04	6.11E-04	6.43E-04	6.63E-04	7.30E-04
AI	0.0	0.0	0.0	1.14E-10	4.10E-06	1.24E-04	3.32E-04	4.74E-04	5.40E-04	6.11E-04	6.43E-04	6.63E-04
LN-Th	0.0	0.0	1.14E-10	4.10E-06	1.24E-04	3.32E-04	4.74E-04	5.40E-04	6.11E-04	6.43E-04	6.63E-04	7.30E-04
Lng_Tiss	0.0	0.0	1.14E-10	4.10E-06	1.24E-04	3.32E-04	4.74E-04	5.40E-04	6.11E-04	6.43E-04	6.63E-04	7.30E-04
Lung_NP	0.0	0.0	0.0	1.46E-09	1.30E-06	1.44E-05	3.82E-05	8.35E-05	1.27E-04	1.54E-04	1.76E-04	1.93E-04
Lung_TB	0.0	0.0	1.14E-10	4.10E-06	1.24E-04	3.32E-04	4.74E-04	5.40E-04	6.11E-04	6.43E-04	6.63E-04	7.30E-04
Lung_P	0.0	0.0	1.14E-10	4.10E-06	1.24E-04	3.32E-04	4.74E-04	5.40E-04	6.11E-04	6.43E-04	6.63E-04	7.30E-04
Muscle	5.67E-03	9.99E-03	1.36E-02	1.20E-02	8.87E-03	8.11E-03	7.88E-03	7.40E-03	6.87E-03	6.42E-03	5.32E-03	
Ovaries	1.75E-06	1.08E-02	8.70E-02	2.21E-01	1.67E-01	1.06E-01	8.94E-02	8.64E-02	7.58E-02	6.54E-02	5.91E-02	5.12E-02
Pancreas	0.0	0.0	1.23E-07	1.51E-04	1.24E-03	2.94E-03	2.81E-03	2.92E-03	2.58E-03	2.51E-03	2.50E-03	2.45E-03
R_Marrow	0.0	4.95E-06	1.66E-04	3.40E-03	8.71E-03	9.24E-03	8.49E-03	8.26E-03	7.32E-03	6.54E-03	6.04E-03	5.16E-03
Skin	1.85E-09	6.45E-07	4.12E-05	7.21E-04	1.82E-03	1.89E-03	1.96E-03	2.22E-03	2.19E-03	2.15E-03	2.10E-03	1.88E-03
Spleen	0.0	0.0	6.17E-08	9.74E-05	1.16E-03	1.66E-03	2.13E-03	2.45E-03	2.38E-03	2.31E-03	2.11E-03	
Testes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thymus	0.0	0.0	1.66E-07	2.23E-05	1.12E-04	2.05E-04	3.21E-04	3.99E-04	4.28E-04	4.40E-04	4.55E-04	
Thyroid	0.0	0.0	1.46E-09	1.30E-06	1.44E-05	3.82E-05	8.35E-05	1.27E-04	1.54E-04	1.76E-04	1.93E-04	
GB_Wall1	0.0	5.83E-10	1.07E-05	1.43E-03	6.70E-03	9.10E-03	8.70E-03	7.10E-03	5.63E-03	5.38E-03	5.25E-03	4.40E-03
Ht_Wall1	0.0	0.0	1.09E-10	4.20E-06	2.00E-04	5.20E-04	7.00E-04	7.70E-04	7.60E-04	7.50E-04	7.40E-04	
Uterus	1.16E+01	9.55E+00	6.88E+00	3.29E+00	1.24E+00	7.14E-01	7.38E-01	7.80E-01	7.10E-01	6.43E-01	5.90E-01	4.74E-01

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for Age 15 Male or Adult Female

Source = Body_Tis		Energy (MeV)										
Target	0.010	0.015	0.020	0.030	0.050	0.100	0.200	0.500	1.000	1.500	2.000	4.000
Adrenals	1.78E-02	1.78E-02	1.70E-02	1.47E-02	1.14E-02	8.30E-03	7.78E-03	7.62E-03	7.15E-03	6.61E-03	6.18E-03	5.18E-03
UB_Wall1	1.49E-02	1.30E-02	1.18E-02	1.16E-02	1.11E-02	9.21E-03	7.48E-03	5.88E-03	5.17E-03	4.67E-03	4.67E-03	4.30E-03
Bone_Sur	2.40E-02	2.89E-02	3.38E-02	4.00E-02	3.31E-02	1.52E-02	8.75E-03	7.03E-03	6.53E-03	6.05E-03	5.68E-03	4.89E-03
Brain	1.78E-02	1.78E-02	1.70E-02	1.42E-02	9.01E-03	5.49E-03	5.12E-03	5.13E-03	4.80E-03	4.49E-03	4.21E-03	3.46E-03
Breasts	1.77E-02	1.65E-02	1.37E-02	9.20E-02	5.67E-03	4.08E-03	4.23E-03	4.53E-03	4.45E-03	4.19E-03	3.94E-03	3.33E-03
St_Wall1	1.64E-02	1.46E-02	1.26E-02	1.29E-02	1.04E-02	7.83E-03	6.60E-03	6.23E-03	6.12E-03	5.89E-03	5.61E-03	4.67E-03
SI_Wall1	1.72E-02	1.62E-02	1.48E-02	1.29E-02	1.06E-02	8.16E-03	7.71E-03	7.46E-03	6.97E-03	6.52E-03	6.13E-03	5.07E-03
ULI_Wall1	1.58E-02	1.36E-02	1.20E-02	1.17E-02	1.05E-02	8.36E-03	7.05E-03	6.48E-03	6.29E-03	5.97E-03	5.66E-03	4.90E-03
LLI_Wall1	1.63E-02	1.47E-02	1.32E-02	1.20E-02	1.07E-02	8.48E-03	7.20E-03	6.27E-03	5.73E-03	5.41E-03	5.17E-03	4.61E-03
Kidneys	1.78E-02	1.78E-02	1.67E-02	1.34E-02	9.71E-03	7.26E-03	7.03E-03	6.92E-03	6.55E-03	6.13E-03	5.76E-03	4.81E-03
Liver	1.78E-02	1.78E-02	1.68E-02	1.41E-02	1.02E-02	7.44E-03	7.15E-03	7.07E-03	6.64E-03	6.18E-03	5.79E-03	4.84E-03
ET1-bas	1.78E-02	1.78E-02	1.70E-02	1.43E-02	1.02E-02	7.15E-03	6.77E-03	6.71E-03	6.28E-03	5.81E-03	5.43E-03	4.52E-03
ET2-bas	1.78E-02	1.78E-02	1.70E-02	1.43E-02	1.02E-02	7.15E-03	6.77E-03	6.71E-03	6.28E-03	5.81E-03	5.43E-03	4.52E-03
LN-ET	1.78E-02	1.78E-02	1.70E-02	1.43E-02	1.02E-02	7.15E-03	6.77E-03	6.71E-03	6.28E-03	5.81E-03	5.43E-03	4.52E-03
BBi-bas	1.79E-02	1.79E-02	1.77E-02	1.60E-02	1.12E-02	7.35E-03	6.53E-03	6.34E-03	5.92E-03	5.49E-03	5.12E-03	4.20E-03
BBi-sec	1.79E-02	1.79E-02	1.77E-02	1.60E-02	1.12E-02	7.35E-03	6.53E-03	6.34E-03	5.92E-03	5.49E-03	5.12E-03	4.20E-03
bbe-sec	1.79E-02	1.79E-02	1.77E-02	1.60E-02	1.12E-02	7.35E-03	6.53E-03	6.34E-03	5.92E-03	5.49E-03	5.12E-03	4.20E-03
AI	1.79E-02	1.79E-02	1.77E-02	1.77E-02	1.60E-02	7.35E-03	6.53E-03	6.34E-03	5.92E-03	5.49E-03	5.12E-03	4.20E-03
LN-Th	1.79E-02	1.79E-02	1.77E-02	1.77E-02	1.60E-02	7.35E-03	6.53E-03	6.34E-03	5.92E-03	5.49E-03	5.12E-03	4.20E-03
Ing_Tiss	1.79E-02	1.79E-02	1.77E-02	1.77E-02	1.60E-02	7.35E-03	6.53E-03	6.34E-03	5.92E-03	5.49E-03	5.12E-03	4.20E-03
Lung_NP	1.78E-02	1.78E-02	1.70E-02	1.43E-02	1.02E-02	7.15E-03	6.77E-03	6.71E-03	6.28E-03	5.81E-03	5.43E-03	4.52E-03
Lung_TB	1.79E-02	1.79E-02	1.77E-02	1.60E-02	1.12E-02	7.35E-03	6.53E-03	6.34E-03	5.92E-03	5.49E-03	5.12E-03	4.20E-03
Lung_P	1.79E-02	1.79E-02	1.77E-02	1.60E-02	1.12E-02	7.35E-03	6.53E-03	6.34E-03	5.92E-03	5.49E-03	5.12E-03	4.20E-03
Muscle	1.76E-02	1.67E-02	1.52E-02	1.18E-02	7.90E-03	5.78E-03	5.68E-03	5.82E-03	5.52E-03	5.18E-03	4.88E-03	4.07E-03
Ovaries	1.78E-02	1.74E-02	1.59E-02	1.38E-02	1.12E-02	8.50E-03	7.99E-03	7.68E-03	7.17E-03	6.70E-03	6.28E-03	5.14E-03
Pancreas	1.78E-02	1.78E-02	1.69E-02	1.48E-02	1.17E-02	8.84E-03	8.28E-03	8.01E-03	7.50E-03	6.95E-03	6.48E-03	5.32E-03
R_Marrow	4.68E-03	5.50E-03	6.16E-03	7.05E-03	7.27E-03	6.49E-03	6.28E-03	6.54E-03	6.01E-03	5.59E-03	5.27E-03	4.47E-03
Skin	1.39E-02	1.10E-02	8.97E-03	6.45E-03	4.25E-03	3.22E-03	3.32E-03	3.75E-03	3.74E-03	3.51E-03	3.30E-03	2.73E-03
Spleen	1.78E-02	1.78E-02	1.70E-02	1.41E-02	1.01E-02	7.36E-03	7.12E-03	7.08E-03	6.61E-03	6.17E-03	5.81E-03	4.83E-03
Testes	1.78E-02	1.70E-02	1.49E-02	1.08E-02	7.30E-03	5.56E-03	5.59E-03	5.81E-03	5.66E-03	5.21E-03	4.90E-03	4.14E-03
Thymus	1.78E-02	1.78E-02	1.67E-02	1.36E-02	9.68E-03	6.99E-03	6.68E-03	6.70E-03	6.36E-03	5.93E-03	5.57E-03	4.61E-03
Thyroid	1.78E-02	1.78E-02	1.70E-02	1.43E-02	1.02E-02	7.15E-03	6.77E-03	6.71E-03	6.28E-03	5.81E-03	5.43E-03	4.52E-03
GB_Wall1	1.34E-02	1.27E-02	1.19E-02	1.08E-02	9.63E-03	9.25E-03	8.10E-03	6.75E-03	5.95E-03	5.58E-03	5.34E-03	4.77E-03
Ht_Wall1	1.79E-02	1.79E-02	1.71E-02	1.47E-02	1.10E-02	7.94E-03	7.55E-03	7.43E-03	6.91E-03	6.42E-03	6.00E-03	4.99E-03
Uterus	1.78E-02	1.78E-02	1.67E-02	1.42E-02	1.12E-02	8.58E-03	8.14E-03	7.90E-03	7.36E-03	6.80E-03	6.36E-03	5.29E-03

APPENDIX B

TABLES OF SPECIFIC ABSORBED FRACTIONS-
RAW DATA AND RECOMMENDED VALUES

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