

Health and Safety Research Division

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

VI. NEWBORN.

M. Cristy and K. F. Eckerman
Metabolism and Dosimetry Research Group

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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 sixth 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 newborn or 3.4-kg person. In companion volumes Φ -values are tabulated for ages 1, 5, 10, and 15 years, an adult female 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 newborn or 3.4-kg person. 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 adult male and in other companion reports (Cristy and Eckerman 1987b-g) for ages 1, 5, 10, and 15 years, for an adult female, 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, $\Phi(\text{target-source})$; converse Monte Carlo estimate, $\Phi(\text{source-target})$; and point-source kernel estimate, $\Phi(\text{target-source})$] 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 the Newborn

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 | 1.36E+02 | 8.25E+01 | 4.56E+01 | 1.64E+01 | 5.18E+00 | 3.00E+00 | 3.37E+00 | 3.53E+00 | 3.24E+00 | 2.99E+00 | 2.80E+00 | 2.34E+00 |
| UB_Wall1 | 0.0 | 2.84E-07 | 4.18E-04 | 1.30E-02 | 1.44E-02 | 1.47E-02 | 1.51E-02 | 1.56E-02 | 1.40E-02 | 1.31E-02 | 1.25E-02 | 1.06E-02 |
| Bone_Sur | 2.50E-02 | 2.68E-01 | 6.50E-01 | 8.37E-01 | 4.76E-01 | 1.41E-01 | 8.04E-02 | 7.15E-02 | 6.86E-02 | 6.22E-02 | 5.68E-02 | 4.57E-02 |
| Brain | 0.0 | 0.0 | 1.20E-06 | 4.60E-04 | 1.53E-03 | 2.18E-03 | 2.37E-03 | 3.27E-03 | 3.80E-03 | 3.86E-03 | 3.83E-03 | 3.75E-03 |
| Breasts | 0.0 | 1.65E-05 | 3.86E-03 | 4.22E-02 | 4.46E-02 | 2.63E-02 | 2.72E-02 | 2.95E-02 | 2.65E-02 | 2.38E-02 | 2.20E-02 | 1.88E-02 |
| St_Wall1 | 9.23E-07 | 9.75E-03 | 7.30E-02 | 2.11E-01 | 1.50E-01 | 9.01E-02 | 8.72E-02 | 8.54E-02 | 7.75E-02 | 7.36E-02 | 7.00E-02 | 5.62E-02 |
| SI_Wall1 | 7.86E-10 | 7.90E-04 | 1.70E-02 | 8.61E-02 | 9.24E-02 | 5.50E-02 | 5.14E-02 | 4.98E-02 | 4.94E-02 | 4.42E-02 | 3.96E-02 | 3.11E-02 |
| ULI_Wall1 | 2.15E-10 | 6.88E-04 | 1.67E-02 | 7.65E-02 | 9.91E-02 | 5.40E-02 | 4.70E-02 | 4.31E-02 | 4.46E-02 | 4.37E-02 | 4.17E-02 | 3.42E-02 |
| LLI_Wall1 | 0.0 | 2.76E-00 | 3.14E-03 | 2.25E-02 | 2.52E-02 | 2.59E-02 | 2.42E-02 | 2.15E-02 | 1.96E-02 | 1.75E-02 | 1.50E-02 | 1.50E-02 |
| Kidneys | 3.44E-01 | 1.29E+00 | 1.74E+00 | 1.28E+00 | 5.56E-01 | 3.23E-01 | 3.32E-01 | 3.41E-01 | 3.12E-01 | 2.98E-01 | 2.80E-01 | 2.04E-01 |
| Liver | 2.31E-02 | 2.11E-01 | 3.95E-01 | 4.19E-01 | 2.28E-01 | 1.31E-01 | 1.30E-01 | 1.27E-01 | 1.16E-01 | 1.09E-01 | 1.02E-01 | 7.79E-02 |
| ET1-bas | 0.0 | 9.36E-08 | 2.57E-04 | 1.02E-02 | 1.84E-02 | 1.72E-02 | 1.59E-02 | 1.42E-02 | 1.27E-02 | 1.18E-02 | 1.11E-02 | 9.65E-03 |
| ET2-bas | 0.0 | 9.36E-08 | 2.57E-04 | 1.02E-02 | 1.84E-02 | 1.72E-02 | 1.59E-02 | 1.42E-02 | 1.27E-02 | 1.18E-02 | 1.11E-02 | 9.65E-03 |
| LN-ET | 0.0 | 9.36E-08 | 2.57E-04 | 1.02E-02 | 1.84E-02 | 1.72E-02 | 1.59E-02 | 1.42E-02 | 1.27E-02 | 1.18E-02 | 1.11E-02 | 9.65E-03 |
| BBi-bas | 3.24E-02 | 2.80E-01 | 4.83E-01 | 3.95E-01 | 2.07E-01 | 1.16E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 |
| BBi-sec | 3.24E-02 | 2.80E-01 | 4.83E-01 | 3.95E-01 | 2.07E-01 | 1.16E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 |
| bbe-sec | 3.24E-02 | 2.80E-01 | 4.83E-01 | 3.95E-01 | 2.07E-01 | 1.16E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 |
| AI | 3.24E-02 | 2.80E-01 | 4.83E-01 | 3.95E-01 | 2.07E-01 | 1.16E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 |
| LN-Th | 3.24E-02 | 2.80E-01 | 4.83E-01 | 3.95E-01 | 2.07E-01 | 1.16E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 |
| Lng_Tiss | 3.24E-02 | 2.80E-01 | 4.83E-01 | 3.95E-01 | 2.07E-01 | 1.16E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 |
| Lung_NP | 0.0 | 9.36E-08 | 2.57E-04 | 1.02E-02 | 1.84E-02 | 1.72E-02 | 1.59E-02 | 1.42E-02 | 1.27E-02 | 1.18E-02 | 1.11E-02 | 9.65E-03 |
| Lung_TB | 3.24E-02 | 2.80E-01 | 4.83E-01 | 3.95E-01 | 2.07E-01 | 1.16E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 |
| Lung_P | 3.24E-02 | 2.80E-01 | 4.83E-01 | 3.95E-01 | 2.07E-01 | 1.16E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 |
| Muscle | 8.01E-02 | 1.53E-01 | 1.74E-01 | 1.36E-01 | 7.54E-02 | 4.64E-02 | 4.72E-02 | 4.90E-02 | 4.64E-02 | 4.32E-02 | 4.03E-02 | 3.20E-02 |
| Ovaries | 0.0 | 1.44E-05 | 3.78E-03 | 4.39E-02 | 4.03E-02 | 3.60E-02 | 3.20E-02 | 2.57E-02 | 2.25E-02 | 2.01E-02 | 1.85E-02 | 1.70E-02 |
| Pancreas | 2.03E-02 | 4.77E-01 | 1.31E+00 | 1.16E+00 | 5.47E-01 | 2.95E-01 | 2.93E-01 | 3.36E-01 | 3.04E-01 | 2.70E-01 | 2.45E-01 | 1.97E-01 |
| R_Marrow | 4.92E-03 | 4.64E-02 | 1.01E-01 | 1.19E-01 | 7.83E-02 | 5.15E-02 | 5.20E-02 | 5.28E-02 | 5.01E-02 | 4.54E-02 | 4.15E-02 | 3.30E-02 |
| Skin | 4.39E-04 | 7.67E-03 | 2.30E-02 | 4.12E-02 | 2.94E-02 | 2.13E-02 | 2.23E-02 | 2.49E-02 | 2.52E-02 | 2.23E-02 | 2.02E-02 | 1.77E-02 |
| Spleen | 5.31E-03 | 3.71E-01 | 7.85E-01 | 8.39E-01 | 4.09E-01 | 2.18E-01 | 2.15E-01 | 2.30E-01 | 2.22E-01 | 2.00E-01 | 1.82E-01 | 1.47E-01 |
| Testes | 0.0 | 1.34E-09 | 2.95E-05 | 3.03E-03 | 7.74E-03 | 7.95E-03 | 8.17E-03 | 8.33E-03 | 8.03E-03 | 7.73E-03 | 7.50E-03 | 6.19E-03 |
| Thymus | 0.0 | 4.97E-06 | 1.85E-03 | 2.75E-02 | 3.07E-02 | 2.71E-02 | 2.41E-02 | 2.38E-02 | 2.31E-02 | 2.15E-02 | 2.00E-02 | 1.67E-02 |
| Thyroid | 0.0 | 9.36E-08 | 2.57E-04 | 1.02E-02 | 1.84E-02 | 1.72E-02 | 1.59E-02 | 1.42E-02 | 1.27E-02 | 1.18E-02 | 1.11E-02 | 9.65E-03 |
| GB_Wall1 | 1.64E-05 | 2.49E-02 | 1.81E-01 | 3.79E-01 | 2.47E-01 | 1.31E-01 | 1.38E-01 | 1.30E-01 | 1.05E-01 | 1.00E-01 | 9.69E-02 | 8.15E-02 |
| Ht_Wall1 | 6.41E-07 | 8.96E-03 | 7.17E-02 | 1.89E-01 | 1.36E-01 | 7.63E-02 | 7.67E-02 | 7.89E-02 | 7.51E-02 | 6.45E-02 | 5.76E-02 | 5.13E-02 |
| Uterus | 0.0 | 8.18E-06 | 2.79E-03 | 3.18E-02 | 3.08E-02 | 2.92E-02 | 2.73E-02 | 2.44E-02 | 2.21E-02 | 2.07E-02 | 1.98E-02 | 1.75E-02 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| Source = UB_Cont | 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 | 0.0 | 2.23E-07 | 3.92E-04 | 9.95E-03 | 1.55E-02 | 1.80E-02 | 1.64E-02 | 1.62E-02 | 1.58E-02 | 1.47E-02 | 1.36E-02 | 1.06E-02 | | |
| UB_Wall1 | 2.35E+01 | 2.59E+01 | 1.93E+01 | 8.42E+00 | 2.84E+00 | 1.56E+00 | 1.69E+00 | 1.77E+00 | 1.63E+00 | 1.50E+00 | 1.39E+00 | 1.13E+00 | | |
| Bone_Sur | 6.78E-08 | 2.41E-03 | 4.53E-02 | 2.02E-01 | 1.81E-01 | 6.26E-02 | 3.34E-02 | 2.82E-02 | 2.54E-02 | 2.58E-02 | 2.53E-02 | 1.86E-02 | | |
| Brain | 0.0 | 0.0 | 6.08E-10 | 1.12E-05 | 1.70E-04 | 3.20E-04 | 4.40E-04 | 6.70E-04 | 8.80E-04 | 9.65E-04 | 1.03E-03 | 1.14E-03 | | |
| Breasts | 0.0 | 1.00E-09 | 2.55E-05 | 2.84E-03 | 4.12E-03 | 5.82E-03 | 7.07E-03 | 7.66E-03 | 7.39E-03 | 7.05E-03 | 6.76E-03 | 6.02E-03 | | |
| St_Wall1 | 0.0 | 3.11E-05 | 4.27E-03 | 2.72E-02 | 4.36E-02 | 3.07E-02 | 2.39E-02 | 2.69E-02 | 2.89E-02 | 2.61E-02 | 2.43E-02 | 2.00E-02 | | |
| SI_Wall1 | 5.90E-06 | 2.23E-02 | 1.48E-01 | 3.29E-01 | 2.14E-01 | 1.22E-01 | 1.09E-01 | 1.12E-01 | 1.06E-01 | 9.96E-02 | 9.21E-02 | 6.49E-02 | | |
| ULI_Wall1 | 8.55E-06 | 7.86E-03 | 9.28E-02 | 2.43E-01 | 1.73E-01 | 1.03E-01 | 9.47E-02 | 9.24E-02 | 7.50E-02 | 7.34E-02 | 7.25E-02 | 5.93E-02 | | |
| LLI_Wall1 | 3.06E-03 | 2.12E-01 | 6.35E-01 | 7.87E-01 | 3.92E-01 | 2.14E-01 | 2.10E-01 | 2.09E-01 | 1.89E-01 | 1.74E-01 | 1.64E-01 | 1.41E-01 | | |
| Kidneys | 0.0 | 4.82E-06 | 1.81E-03 | 1.83E-02 | 2.93E-02 | 2.50E-02 | 2.13E-02 | 2.17E-02 | 1.92E-02 | 1.79E-02 | 1.72E-02 | 1.66E-02 | | |
| Liver | 0.0 | 2.37E-05 | 2.08E-03 | 2.68E-02 | 3.55E-02 | 2.42E-02 | 2.24E-02 | 2.37E-02 | 2.19E-02 | 2.01E-02 | 1.88E-02 | 1.62E-02 | | |
| ET1-bas | 0.0 | 0.0 | 2.24E-07 | 2.49E-04 | 1.97E-03 | 2.76E-03 | 3.09E-03 | 3.10E-03 | 3.10E-03 | 3.01E-03 | 2.92E-03 | 2.68E-03 | | |
| ET2-bas | 0.0 | 0.0 | 2.24E-07 | 2.49E-04 | 1.97E-03 | 2.76E-03 | 3.09E-03 | 3.10E-03 | 3.01E-03 | 2.92E-03 | 2.85E-03 | 2.68E-03 | | |
| LN-ET | 0.0 | 0.0 | 2.24E-07 | 2.49E-04 | 1.97E-03 | 2.76E-03 | 3.09E-03 | 3.10E-03 | 3.01E-03 | 2.92E-03 | 2.85E-03 | 2.68E-03 | | |
| BBi-bas | 0.0 | 1.36E-08 | 6.66E-05 | 4.73E-03 | 6.72E-03 | 7.22E-03 | 6.59E-03 | 6.95E-03 | 7.67E-03 | 7.71E-03 | 7.50E-03 | 6.54E-03 | | |
| BBi-sec | 0.0 | 1.36E-08 | 6.66E-05 | 4.73E-03 | 6.72E-03 | 7.22E-03 | 6.59E-03 | 6.95E-03 | 7.67E-03 | 7.71E-03 | 7.50E-03 | 6.54E-03 | | |
| bbe-sec | 0.0 | 1.36E-08 | 6.66E-05 | 4.73E-03 | 6.72E-03 | 7.22E-03 | 6.59E-03 | 6.95E-03 | 7.67E-03 | 7.71E-03 | 7.50E-03 | 6.54E-03 | | |
| AI | 0.0 | 1.36E-08 | 6.66E-05 | 4.73E-03 | 6.72E-03 | 7.22E-03 | 6.59E-03 | 6.95E-03 | 7.67E-03 | 7.71E-03 | 7.50E-03 | 6.54E-03 | | |
| LN-Th | 0.0 | 1.36E-08 | 6.66E-05 | 4.73E-03 | 6.72E-03 | 7.22E-03 | 6.59E-03 | 6.95E-03 | 7.67E-03 | 7.71E-03 | 7.50E-03 | 6.54E-03 | | |
| Lng_Tiss | 0.0 | 1.36E-08 | 6.66E-05 | 4.73E-03 | 6.72E-03 | 7.22E-03 | 6.59E-03 | 6.95E-03 | 7.67E-03 | 7.71E-03 | 7.50E-03 | 6.54E-03 | | |
| Lung_NP | 0.0 | 0.0 | 2.24E-07 | 2.49E-04 | 1.97E-03 | 2.76E-03 | 3.09E-03 | 3.10E-03 | 3.10E-03 | 3.01E-03 | 2.92E-03 | 2.68E-03 | | |
| Lung_TB | 0.0 | 1.36E-08 | 6.66E-05 | 4.73E-03 | 6.72E-03 | 7.22E-03 | 6.59E-03 | 6.95E-03 | 7.67E-03 | 7.71E-03 | 7.50E-03 | 6.54E-03 | | |
| Lung_P | 0.0 | 1.36E-08 | 6.66E-05 | 4.73E-03 | 6.72E-03 | 7.22E-03 | 6.59E-03 | 6.95E-03 | 7.67E-03 | 7.71E-03 | 7.50E-03 | 6.54E-03 | | |
| Muscle | 2.27E-02 | 1.09E-01 | 1.82E-01 | 1.75E-01 | 9.33E-02 | 5.48E-02 | 5.53E-02 | 5.73E-02 | 5.73E-02 | 5.38E-02 | 4.91E-02 | 4.53E-02 | 3.68E-02 | |
| Ovaries | 5.57E-05 | 9.90E-02 | 4.63E-01 | 6.84E-01 | 3.83E-01 | 2.04E-01 | 1.90E-01 | 1.97E-01 | 1.87E-01 | 1.73E-01 | 1.62E-01 | 1.34E-01 | | |
| Pancreas | 0.0 | 2.60E-06 | 1.44E-03 | 2.25E-02 | 2.48E-02 | 2.45E-02 | 2.25E-02 | 2.05E-02 | 1.94E-02 | 1.83E-02 | 1.73E-02 | 1.45E-02 | | |
| R_Marrow | 1.42E-07 | 4.32E-04 | 7.09E-03 | 2.80E-02 | 2.72E-02 | 1.93E-02 | 1.89E-02 | 1.95E-02 | 1.77E-02 | 1.83E-02 | 1.82E-02 | 1.31E-02 | | |
| Skin | 4.12E-05 | 8.09E-03 | 2.96E-02 | 5.39E-02 | 3.62E-02 | 2.21E-02 | 2.31E-02 | 2.60E-02 | 2.60E-02 | 2.39E-02 | 2.41E-02 | 1.65E-02 | | |
| Spleen | 0.0 | 1.10E-06 | 8.16E-04 | 1.53E-02 | 1.94E-02 | 2.06E-02 | 1.98E-02 | 1.92E-02 | 1.80E-02 | 1.67E-02 | 1.55E-02 | 1.23E-02 | | |
| Testes | 2.47E-04 | 1.63E-01 | 6.76E-01 | 8.96E-01 | 4.16E-01 | 2.31E-01 | 2.38E-01 | 2.69E-01 | 2.36E-01 | 2.11E-01 | 1.97E-01 | 1.76E-01 | | |
| Thymus | 0.0 | 0.0 | 3.40E-06 | 9.39E-04 | 2.24E-03 | 2.88E-03 | 3.64E-03 | 4.60E-03 | 4.60E-03 | 4.98E-03 | 4.94E-03 | 4.77E-03 | | |
| Thyroid | 0.0 | 0.0 | 2.24E-07 | 2.49E-04 | 1.97E-03 | 2.76E-03 | 3.09E-03 | 3.10E-03 | 3.01E-03 | 2.92E-03 | 2.85E-03 | 2.68E-03 | | |
| GB_Wall1 | 0.0 | 9.75E-05 | 9.12E-03 | 4.75E-02 | 7.03E-02 | 4.16E-02 | 3.96E-02 | 3.58E-02 | 3.46E-02 | 3.53E-02 | 3.45E-02 | 2.60E-02 | | |
| Ht_Wall1 | 0.0 | 1.62E-08 | 8.33E-05 | 3.20E-03 | 7.79E-03 | 8.90E-03 | 8.20E-03 | 8.65E-03 | 8.60E-03 | 8.48E-03 | 8.36E-03 | 7.89E-03 | | |
| Uterus | 6.20E-02 | 1.26E+00 | 2.48E+00 | 1.93E+00 | 8.23E-01 | 4.43E-01 | 4.55E-01 | 4.51E-01 | 4.33E-01 | 3.98E-01 | 3.66E-01 | 2.87E-01 | | |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 2.84E-07 | 4.18E-04 | 1.30E-02 | 1.44E-02 | 1.47E-02 | 1.51E-02 | 1.56E-02 | 1.40E-02 | 1.31E-02 | 1.25E-02 | 1.06E-02 |
| UB_Wall1 | 1.51E+02 | 6.86E+01 | 3.57E+01 | 1.27E+01 | 4.20E+00 | 2.41E+00 | 2.54E+00 | 2.93E+00 | 2.72E+00 | 2.48E+00 | 2.28E+00 | 1.79E+00 |
| Bone_Sur | 6.78E-08 | 2.41E-03 | 4.53E-02 | 2.02E-01 | 1.81E-01 | 6.26E-02 | 3.34E-02 | 2.82E-02 | 2.54E-02 | 2.58E-02 | 2.53E-02 | 1.86E-02 |
| Brain | 0.0 | 0.0 | 6.47E-10 | 1.13E-05 | 1.83E-04 | 2.82E-04 | 4.17E-04 | 6.44E-04 | 8.28E-04 | 9.27E-04 | 9.92E-04 | 1.14E-03 |
| Breasts | 0.0 | 1.25E-09 | 2.70E-05 | 2.84E-03 | 8.61E-03 | 8.03E-03 | 7.87E-03 | 8.18E-03 | 7.81E-03 | 7.48E-03 | 7.25E-03 | 6.01E-03 |
| St_Wall1 | 0.0 | 4.05E-05 | 4.61E-03 | 2.94E-02 | 4.66E-02 | 2.84E-02 | 2.41E-02 | 2.95E-02 | 2.68E-02 | 2.27E-02 | 2.04E-02 | 1.82E-02 |
| SI_Wall1 | 2.34E-05 | 2.83E-02 | 1.64E-01 | 3.28E-01 | 2.13E-01 | 1.17E-01 | 1.15E-01 | 1.10E-01 | 1.01E-01 | 9.48E-02 | 8.82E-02 | 6.38E-02 |
| ULI_Wall1 | 2.96E-05 | 2.45E-02 | 1.01E-01 | 2.43E-01 | 1.83E-01 | 1.05E-01 | 8.94E-02 | 9.61E-02 | 8.08E-02 | 7.32E-02 | 6.92E-02 | 6.10E-02 |
| LLI_Wall1 | 1.35E-02 | 3.06E-01 | 7.25E-01 | 7.92E-01 | 3.96E-01 | 2.21E-01 | 2.16E-01 | 2.01E-01 | 2.09E-01 | 1.95E-01 | 1.80E-01 | 1.45E-01 |
| Kidneys | 0.0 | 6.44E-06 | 1.96E-03 | 2.31E-02 | 2.89E-02 | 2.48E-02 | 2.15E-02 | 2.22E-02 | 2.29E-02 | 2.17E-02 | 2.03E-02 | 1.66E-02 |
| Liver | 0.0 | 3.05E-05 | 3.70E-03 | 2.58E-02 | 3.79E-02 | 2.37E-02 | 2.37E-02 | 2.47E-02 | 2.42E-02 | 2.22E-02 | 2.06E-02 | 1.88E-02 |
| ET1-bas | 0.0 | 0.0 | 2.38E-07 | 2.52E-04 | 1.97E-03 | 2.80E-03 | 3.08E-03 | 3.36E-03 | 3.31E-03 | 3.22E-03 | 3.16E-03 | 2.68E-03 |
| ET2-bas | 0.0 | 0.0 | 2.38E-07 | 2.52E-04 | 1.97E-03 | 2.80E-03 | 3.08E-03 | 3.36E-03 | 3.31E-03 | 3.22E-03 | 3.16E-03 | 2.68E-03 |
| LN-ET | 0.0 | 0.0 | 2.38E-07 | 2.52E-04 | 1.97E-03 | 2.80E-03 | 3.08E-03 | 3.36E-03 | 3.31E-03 | 3.22E-03 | 3.16E-03 | 2.68E-03 |
| BBi-bas | 0.0 | 1.74E-08 | 7.15E-05 | 3.63E-03 | 6.28E-03 | 7.52E-03 | 7.92E-03 | 8.29E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| BBi-sec | 0.0 | 1.74E-08 | 7.15E-05 | 3.63E-03 | 6.28E-03 | 7.52E-03 | 7.92E-03 | 8.29E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| bbe-sec | 0.0 | 1.74E-08 | 7.15E-05 | 3.63E-03 | 6.28E-03 | 7.52E-03 | 7.92E-03 | 8.29E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| AI | 0.0 | 1.74E-08 | 7.15E-05 | 3.63E-03 | 6.28E-03 | 7.52E-03 | 7.92E-03 | 8.29E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| LN-Th | 0.0 | 1.74E-08 | 7.15E-05 | 3.63E-03 | 6.28E-03 | 7.52E-03 | 7.92E-03 | 8.29E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| Lng_Tiss | 0.0 | 1.74E-08 | 7.15E-05 | 3.63E-03 | 6.28E-03 | 7.52E-03 | 7.92E-03 | 8.29E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| Lung_NP | 0.0 | 0.0 | 2.38E-07 | 2.52E-04 | 1.97E-03 | 2.80E-03 | 3.08E-03 | 3.36E-03 | 3.31E-03 | 3.22E-03 | 3.16E-03 | 2.68E-03 |
| Lung_TB | 0.0 | 1.74E-08 | 7.15E-05 | 3.63E-03 | 6.28E-03 | 7.52E-03 | 7.92E-03 | 8.29E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| Lung_P | 0.0 | 1.74E-08 | 7.15E-05 | 3.63E-03 | 6.28E-03 | 7.52E-03 | 7.92E-03 | 8.29E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| Muscle | 1.35E-01 | 2.07E-01 | 2.38E-01 | 1.94E-01 | 9.83E-02 | 5.73E-02 | 5.81E-02 | 6.09E-02 | 5.70E-02 | 5.28E-02 | 4.91E-02 | 3.91E-02 |
| Ovaries | 2.07E-04 | 1.46E-01 | 4.62E-01 | 7.12E-01 | 3.86E-01 | 2.31E-01 | 1.87E-01 | 1.87E-01 | 2.26E-01 | 2.19E-01 | 1.84E-01 | 1.29E-01 |
| Pancreas | 0.0 | 3.25E-06 | 1.52E-03 | 2.21E-02 | 2.96E-02 | 2.89E-02 | 2.47E-02 | 2.10E-02 | 1.93E-02 | 1.85E-02 | 1.77E-02 | 1.45E-02 |
| R_Marrow | 1.42E-07 | 4.32E-04 | 7.09E-03 | 2.80E-02 | 2.72E-02 | 1.93E-02 | 1.89E-02 | 1.95E-02 | 1.77E-02 | 1.83E-02 | 1.82E-02 | 1.31E-02 |
| Skin | 2.44E-04 | 1.29E-02 | 3.52E-02 | 5.56E-02 | 3.63E-02 | 2.42E-02 | 2.53E-02 | 2.51E-02 | 2.27E-02 | 2.06E-02 | 1.72E-02 | 1.23E-02 |
| Spleen | 0.0 | 1.37E-06 | 8.70E-04 | 1.26E-02 | 2.60E-02 | 2.39E-02 | 1.75E-02 | 2.00E-02 | 1.80E-02 | 1.65E-02 | 1.23E-02 | 1.23E-02 |
| Testes | 8.05E-04 | 2.01E-01 | 7.66E-01 | 9.14E-01 | 3.91E-01 | 2.55E-01 | 2.54E-01 | 2.22E-01 | 2.36E-01 | 2.09E-01 | 1.87E-01 | 1.59E-01 |
| Thymus | 0.0 | 0.0 | 3.62E-06 | 9.51E-04 | 2.52E-03 | 4.26E-03 | 5.49E-03 | 5.54E-03 | 5.14E-03 | 4.98E-03 | 4.81E-03 | 4.03E-03 |
| Thyroid | 0.0 | 0.0 | 2.38E-07 | 2.52E-04 | 1.97E-03 | 2.80E-03 | 3.08E-03 | 3.36E-03 | 3.31E-03 | 3.22E-03 | 3.16E-03 | 2.68E-03 |
| GB_Wall1 | 0.0 | 1.23E-04 | 9.78E-03 | 4.83E-02 | 7.34E-02 | 4.73E-02 | 3.94E-02 | 4.06E-02 | 3.71E-02 | 3.22E-02 | 2.89E-02 | 2.37E-02 |
| Ht_Wall1 | 0.0 | 2.01E-08 | 8.75E-05 | 5.88E-03 | 6.64E-03 | 7.59E-03 | 8.32E-03 | 8.73E-03 | 8.64E-03 | 8.47E-03 | 8.31E-03 | 7.89E-03 |
| Uterus | 2.69E-01 | 2.00E+00 | 2.91E+00 | 2.00E+00 | 8.46E-01 | 4.59E-01 | 4.90E-01 | 4.48E-01 | 4.14E-01 | 3.55E-01 | 3.20E-01 | 3.20E-01 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 5.99E-03 | 5.60E-02 | 1.20E-01 | 1.42E-01 | 8.85E-02 | 5.46E-02 | 5.72E-02 | 5.96E-02 | 5.71E-02 | 5.18E-02 | 4.73E-02 | 3.81E-02 |
| UB_Wall1 | 8.75E-08 | 9.90E-04 | 1.04E-02 | 3.66E-02 | 3.40E-02 | 2.38E-02 | 2.20E-02 | 2.26E-02 | 2.15E-02 | 2.10E-02 | 2.02E-02 | 1.58E-02 |
| Bone_Sur | 3.84E+00 | 3.37E+00 | 2.79E+00 | 1.76E+00 | 6.87E-01 | 1.91E-01 | 1.20E-01 | 1.16E-01 | 1.12E-01 | 1.02E-01 | 9.43E-02 | 7.71E-02 |
| Brain | 3.71E-02 | 8.77E-02 | 1.19E-01 | 1.03E-01 | 5.37E-02 | 3.24E-02 | 3.38E-02 | 3.66E-02 | 3.55E-02 | 3.30E-02 | 3.07E-02 | 2.51E-02 |
| Breasts | 1.03E-02 | 5.44E-02 | 7.43E-02 | 5.59E-02 | 3.18E-02 | 2.03E-02 | 2.45E-02 | 2.64E-02 | 2.64E-02 | 2.54E-02 | 2.42E-02 | 2.07E-02 |
| St_Wall1 | 3.29E-04 | 6.35E-03 | 2.31E-02 | 4.43E-02 | 3.94E-02 | 2.67E-02 | 2.62E-02 | 2.63E-02 | 2.43E-02 | 2.32E-02 | 2.22E-02 | 1.85E-02 |
| SI_Wall1 | 6.43E-03 | 1.81E-02 | 3.79E-02 | 6.34E-02 | 5.18E-02 | 3.29E-02 | 3.24E-02 | 3.39E-02 | 3.04E-02 | 2.90E-02 | 2.77E-02 | 2.19E-02 |
| ULI_Wall1 | 6.63E-03 | 2.16E-02 | 3.87E-02 | 5.45E-02 | 4.49E-02 | 3.10E-02 | 2.95E-02 | 3.06E-02 | 2.83E-02 | 2.59E-02 | 2.40E-02 | 1.96E-02 |
| LLI_Wall1 | 1.77E-02 | 6.15E-02 | 9.47E-02 | 9.54E-02 | 6.25E-02 | 3.87E-02 | 3.73E-02 | 4.12E-02 | 3.97E-02 | 3.67E-02 | 3.40E-02 | 2.69E-02 |
| Kidneys | 6.89E-03 | 3.69E-02 | 8.25E-02 | 1.08E-01 | 7.13E-02 | 4.37E-02 | 4.49E-02 | 4.79E-02 | 4.65E-02 | 4.37E-02 | 4.07E-02 | 3.15E-02 |
| Liver | 3.71E-03 | 1.75E-02 | 3.87E-02 | 5.90E-02 | 4.56E-02 | 3.01E-02 | 2.94E-02 | 3.13E-02 | 3.03E-02 | 2.77E-02 | 2.56E-02 | 2.13E-02 |
| ET1-bas | 5.20E-07 | 1.46E-03 | 1.22E-02 | 3.90E-02 | 3.76E-02 | 2.59E-02 | 2.38E-02 | 2.44E-02 | 2.27E-02 | 2.13E-02 | 2.02E-02 | 1.74E-02 |
| ET2-bas | 5.20E-07 | 1.46E-03 | 1.22E-02 | 3.90E-02 | 3.76E-02 | 2.59E-02 | 2.38E-02 | 2.44E-02 | 2.27E-02 | 2.13E-02 | 2.02E-02 | 1.74E-02 |
| LN-ET | 5.20E-07 | 1.46E-03 | 1.22E-02 | 3.90E-02 | 3.76E-02 | 2.59E-02 | 2.38E-02 | 2.44E-02 | 2.27E-02 | 2.13E-02 | 2.02E-02 | 1.74E-02 |
| BBi-bas | 4.65E-03 | 4.51E-02 | 9.98E-02 | 1.13E-01 | 6.60E-02 | 3.92E-02 | 4.12E-02 | 4.36E-02 | 3.95E-02 | 3.59E-02 | 3.36E-02 | 2.95E-02 |
| BBi-sec | 4.65E-03 | 4.51E-02 | 9.98E-02 | 1.13E-01 | 6.60E-02 | 3.92E-02 | 4.12E-02 | 4.36E-02 | 3.95E-02 | 3.59E-02 | 3.36E-02 | 2.95E-02 |
| bbe-sec | 4.65E-03 | 4.51E-02 | 9.98E-02 | 1.13E-01 | 6.60E-02 | 3.92E-02 | 4.12E-02 | 4.36E-02 | 3.95E-02 | 3.59E-02 | 3.36E-02 | 2.95E-02 |
| AI | 4.65E-03 | 4.51E-02 | 9.98E-02 | 1.13E-01 | 6.60E-02 | 3.92E-02 | 4.12E-02 | 4.36E-02 | 3.95E-02 | 3.59E-02 | 3.36E-02 | 2.95E-02 |
| LN-Th | 4.65E-03 | 4.51E-02 | 9.98E-02 | 1.13E-01 | 6.60E-02 | 3.92E-02 | 4.12E-02 | 4.36E-02 | 3.95E-02 | 3.59E-02 | 3.36E-02 | 2.95E-02 |
| Lng_Tiss | 4.65E-03 | 4.51E-02 | 9.98E-02 | 1.13E-01 | 6.60E-02 | 3.92E-02 | 4.12E-02 | 4.36E-02 | 3.95E-02 | 3.59E-02 | 3.36E-02 | 2.95E-02 |
| Lung_NP | 5.20E-07 | 1.46E-03 | 1.22E-02 | 3.90E-02 | 3.76E-02 | 2.59E-02 | 2.38E-02 | 2.44E-02 | 2.27E-02 | 2.13E-02 | 2.02E-02 | 1.74E-02 |
| Lung_TB | 4.65E-03 | 4.51E-02 | 9.98E-02 | 1.13E-01 | 6.60E-02 | 3.92E-02 | 4.12E-02 | 4.36E-02 | 3.95E-02 | 3.59E-02 | 3.36E-02 | 2.95E-02 |
| Lung_P | 4.65E-03 | 4.51E-02 | 9.98E-02 | 1.13E-01 | 6.60E-02 | 3.92E-02 | 4.12E-02 | 4.36E-02 | 3.95E-02 | 3.59E-02 | 3.36E-02 | 2.95E-02 |
| Muscle | 3.03E-02 | 6.25E-02 | 8.68E-02 | 8.96E-02 | 5.59E-02 | 3.92E-02 | 4.12E-02 | 4.36E-02 | 3.95E-02 | 3.59E-02 | 3.36E-02 | 2.95E-02 |
| Ovaries | 7.26E-05 | 1.67E-02 | 5.53E-02 | 8.16E-02 | 5.79E-02 | 3.71E-02 | 3.50E-02 | 3.73E-02 | 3.37E-02 | 3.26E-02 | 3.13E-02 | 2.41E-02 |
| Pancreas | 2.92E-05 | 4.37E-03 | 2.58E-02 | 6.76E-02 | 5.79E-02 | 3.74E-02 | 3.63E-02 | 3.77E-02 | 3.43E-02 | 3.17E-02 | 2.96E-02 | 2.45E-02 |
| R_Marrow | 7.47E-01 | 5.81E-01 | 4.43E-01 | 2.62E-01 | 1.30E-01 | 8.37E-02 | 8.55E-02 | 8.94E-02 | 8.63E-02 | 7.85E-02 | 7.21E-02 | 5.89E-02 |
| Skin | 3.81E-02 | 6.71E-02 | 7.98E-02 | 6.82E-02 | 3.96E-02 | 2.52E-02 | 2.83E-02 | 2.83E-02 | 3.28E-02 | 3.81E-02 | 3.52E-02 | 2.28E-02 |
| Spleen | 1.43E-03 | 1.67E-02 | 4.86E-02 | 7.51E-02 | 5.67E-02 | 3.58E-02 | 3.58E-02 | 3.87E-02 | 3.47E-02 | 3.22E-02 | 3.05E-02 | 2.54E-02 |
| Testes | 7.00E-08 | 9.38E-04 | 1.22E-02 | 4.08E-02 | 3.52E-02 | 2.24E-02 | 2.43E-02 | 2.43E-02 | 2.38E-02 | 2.22E-02 | 2.08E-02 | 1.81E-02 |
| Thymus | 2.29E-03 | 2.67E-02 | 5.16E-02 | 5.83E-02 | 4.05E-02 | 2.55E-02 | 2.64E-02 | 2.89E-02 | 2.76E-02 | 2.42E-02 | 2.19E-02 | 1.90E-02 |
| Thyroid | 5.20E-07 | 1.46E-03 | 1.22E-02 | 3.90E-02 | 3.76E-02 | 2.59E-02 | 2.38E-02 | 2.44E-02 | 2.27E-02 | 2.13E-02 | 2.02E-02 | 1.74E-02 |
| GB_Wall1 | 6.68E-08 | 5.80E-04 | 1.00E-02 | 4.08E-02 | 4.21E-02 | 2.95E-02 | 2.91E-02 | 2.72E-02 | 2.69E-02 | 2.35E-02 | 2.11E-02 | 1.94E-02 |
| Ht_Wall1 | 1.03E-03 | 1.14E-02 | 3.52E-02 | 6.09E-02 | 4.84E-02 | 3.05E-02 | 3.01E-02 | 3.19E-02 | 2.91E-02 | 2.70E-02 | 2.54E-02 | 2.15E-02 |
| Uterus | 6.76E-08 | 1.21E-03 | 1.63E-02 | 4.86E-02 | 4.49E-02 | 2.99E-02 | 2.82E-02 | 2.85E-02 | 2.77E-02 | 2.45E-02 | 2.22E-02 | 1.90E-02 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 5.99E-03 | 5.60E-02 | 1.20E-01 | 1.42E-01 | 8.85E-02 | 5.46E-02 | 5.72E-02 | 5.96E-02 | 5.71E-02 | 5.18E-02 | 4.73E-02 | 3.81E-02 |
| UB_Wall1 | 8.75E-08 | 9.90E-04 | 1.04E-02 | 3.66E-02 | 3.40E-02 | 2.38E-02 | 2.20E-02 | 2.26E-02 | 2.15E-02 | 2.10E-02 | 2.02E-02 | 1.58E-02 |
| Bone_Sur | 3.84E+00 | 3.37E+00 | 2.79E+00 | 1.76E+00 | 6.87E-01 | 1.91E-01 | 1.20E-01 | 1.16E-01 | 1.12E-01 | 1.02E-01 | 9.43E-02 | 7.71E-02 |
| Brain | 3.71E-02 | 8.77E-02 | 1.19E-01 | 1.03E-01 | 5.37E-02 | 3.24E-02 | 3.38E-02 | 3.66E-02 | 3.55E-02 | 3.30E-02 | 3.07E-02 | 2.51E-02 |
| Breasts | 1.03E-02 | 5.44E-02 | 7.43E-02 | 5.59E-02 | 3.18E-02 | 2.03E-02 | 2.45E-02 | 2.64E-02 | 2.64E-02 | 2.54E-02 | 2.42E-02 | 2.07E-02 |
| St_Wall1 | 3.29E-04 | 6.35E-03 | 2.31E-02 | 4.43E-02 | 3.94E-02 | 2.67E-02 | 2.62E-02 | 2.63E-02 | 2.43E-02 | 2.32E-02 | 2.22E-02 | 1.85E-02 |
| SI_Wall1 | 6.43E-03 | 1.81E-02 | 3.79E-02 | 6.34E-02 | 5.18E-02 | 3.29E-02 | 3.24E-02 | 3.39E-02 | 3.04E-02 | 2.90E-02 | 2.77E-02 | 2.19E-02 |
| ULI_Wall1 | 6.63E-03 | 2.16E-02 | 3.87E-02 | 5.45E-02 | 4.49E-02 | 3.10E-02 | 2.95E-02 | 3.06E-02 | 2.83E-02 | 2.59E-02 | 2.40E-02 | 1.96E-02 |
| LLI_Wall1 | 1.77E-02 | 6.15E-02 | 9.47E-02 | 9.54E-02 | 6.25E-02 | 3.87E-02 | 3.73E-02 | 4.12E-02 | 3.97E-02 | 3.67E-02 | 3.40E-02 | 2.69E-02 |
| Kidneys | 6.89E-03 | 3.69E-02 | 8.25E-02 | 1.08E-01 | 7.13E-02 | 4.37E-02 | 4.49E-02 | 4.79E-02 | 4.65E-02 | 4.37E-02 | 4.07E-02 | 3.15E-02 |
| Liver | 3.71E-03 | 1.75E-02 | 3.87E-02 | 5.90E-02 | 4.56E-02 | 3.01E-02 | 2.94E-02 | 3.13E-02 | 3.03E-02 | 2.77E-02 | 2.56E-02 | 2.13E-02 |
| ET1-bas | 5.20E-07 | 1.46E-03 | 1.22E-02 | 3.90E-02 | 3.76E-02 | 2.59E-02 | 2.38E-02 | 2.44E-02 | 2.27E-02 | 2.13E-02 | 2.02E-02 | 1.74E-02 |
| ET2-bas | 5.20E-07 | 1.46E-03 | 1.22E-02 | 3.90E-02 | 3.76E-02 | 2.59E-02 | 2.38E-02 | 2.44E-02 | 2.27E-02 | 2.13E-02 | 2.02E-02 | 1.74E-02 |
| LN-ET | 5.20E-07 | 1.46E-03 | 1.22E-02 | 3.90E-02 | 3.76E-02 | 2.59E-02 | 2.38E-02 | 2.44E-02 | 2.27E-02 | 2.13E-02 | 2.02E-02 | 1.74E-02 |
| BBi-bas | 4.65E-03 | 4.51E-02 | 9.98E-02 | 1.13E-01 | 6.60E-02 | 3.92E-02 | 4.12E-02 | 4.36E-02 | 3.95E-02 | 3.59E-02 | 3.36E-02 | 2.95E-02 |
| BBi-sec | 4.65E-03 | 4.51E-02 | 9.98E-02 | 1.13E-01 | 6.60E-02 | 3.92E-02 | 4.12E-02 | 4.36E-02 | 3.95E-02 | 3.59E-02 | 3.36E-02 | 2.95E-02 |
| bbe-sec | 4.65E-03 | 4.51E-02 | 9.98E-02 | 1.13E-01 | 6.60E-02 | 3.92E-02 | 4.12E-02 | 4.36E-02 | 3.95E-02 | 3.59E-02 | 3.36E-02 | 2.95E-02 |
| AI | 4.65E-03 | 4.51E-02 | 9.98E-02 | 1.13E-01 | 6.60E-02 | 3.92E-02 | 4.12E-02 | 4.36E-02 | 3.95E-02 | 3.59E-02 | 3.36E-02 | 2.95E-02 |
| LN-Th | 4.65E-03 | 4.51E-02 | 9.98E-02 | 1.13E-01 | 6.60E-02 | 3.92E-02 | 4.12E-02 | 4.36E-02 | 3.95E-02 | 3.59E-02 | 3.36E-02 | 2.95E-02 |
| Lng_Tiss | 4.65E-03 | 4.51E-02 | 9.98E-02 | 1.13E-01 | 6.60E-02 | 3.92E-02 | 4.12E-02 | 4.36E-02 | 3.95E-02 | 3.59E-02 | 3.36E-02 | 2.95E-02 |
| Lung_NP | 5.20E-07 | 1.46E-03 | 1.22E-02 | 3.90E-02 | 3.76E-02 | 2.59E-02 | 2.38E-02 | 2.44E-02 | 2.27E-02 | 2.13E-02 | 2.02E-02 | 1.74E-02 |
| Lung_TB | 4.65E-03 | 4.51E-02 | 9.98E-02 | 1.13E-01 | 6.60E-02 | 3.92E-02 | 4.12E-02 | 4.36E-02 | 3.95E-02 | 3.59E-02 | 3.36E-02 | 2.95E-02 |
| Lung_P | 4.65E-03 | 4.51E-02 | 9.98E-02 | 1.13E-01 | 6.60E-02 | 3.92E-02 | 4.12E-02 | 4.36E-02 | 3.95E-02 | 3.59E-02 | 3.36E-02 | 2.95E-02 |
| Muscle | 3.03E-02 | 6.25E-02 | 8.68E-02 | 8.96E-02 | 5.59E-02 | 3.92E-02 | 4.12E-02 | 4.36E-02 | 3.95E-02 | 3.59E-02 | 3.36E-02 | 2.95E-02 |
| Ovaries | 7.26E-05 | 1.67E-02 | 5.53E-02 | 8.16E-02 | 5.79E-02 | 3.71E-02 | 3.50E-02 | 3.73E-02 | 3.37E-02 | 3.26E-02 | 3.13E-02 | 2.41E-02 |
| Pancreas | 2.92E-05 | 4.37E-03 | 2.58E-02 | 6.76E-02 | 5.79E-02 | 3.74E-02 | 3.63E-02 | 3.77E-02 | 3.43E-02 | 3.17E-02 | 2.96E-02 | 2.45E-02 |
| R_Marrow | 7.47E-01 | 5.81E-01 | 4.43E-01 | 2.62E-01 | 1.30E-01 | 8.37E-02 | 8.55E-02 | 8.94E-02 | 8.63E-02 | 7.85E-02 | 7.21E-02 | 5.89E-02 |
| Skin | 3.81E-02 | 6.71E-02 | 7.98E-02 | 6.82E-02 | 3.96E-02 | 2.52E-02 | 2.83E-02 | 2.83E-02 | 3.28E-02 | 3.81E-02 | 3.52E-02 | 2.28E-02 |
| Spleen | 1.43E-03 | 1.67E-02 | 4.86E-02 | 7.51E-02 | 5.67E-02 | 3.58E-02 | 3.58E-02 | 3.87E-02 | 3.47E-02 | 3.22E-02 | 3.05E-02 | 2.54E-02 |
| Testes | 7.00E-08 | 9.38E-04 | 1.22E-02 | 4.08E-02 | 3.52E-02 | 2.24E-02 | 2.43E-02 | 2.43E-02 | 2.38E-02 | 2.22E-02 | 2.08E-02 | 1.81E-02 |
| Thymus | 2.29E-03 | 2.67E-02 | 5.16E-02 | 5.83E-02 | 4.05E-02 | 2.55E-02 | 2.64E-02 | 2.89E-02 | 2.76E-02 | 2.42E-02 | 2.19E-02 | 1.90E-02 |
| Thyroid | 5.20E-07 | 1.46E-03 | 1.22E-02 | 3.90E-02 | 3.76E-02 | 2.59E-02 | 2.38E-02 | 2.44E-02 | 2.27E-02 | 2.13E-02 | 2.02E-02 | 1.74E-02 |
| GB_Wall1 | 6.68E-08 | 5.80E-04 | 1.00E-02 | 4.08E-02 | 4.21E-02 | 2.95E-02 | 2.91E-02 | 2.72E-02 | 2.69E-02 | 2.35E-02 | 2.11E-02 | 1.94E-02 |
| Ht_Wall1 | 1.03E-03 | 1.14E-02 | 3.52E-02 | 6.09E-02 | 4.84E-02 | 3.05E-02 | 3.01E-02 | 3.19E-02 | 2.91E-02 | 2.70E-02 | 2.54E-02 | 2.15E-02 |
| Uterus | 6.76E-08 | 1.21E-03 | 1.63E-02 | 4.86E-02 | 4.49E-02 | 2.99E-02 | 2.82E-02 | 2.85E-02 | 2.77E-02 | 2.45E-02 | 2.22E-02 | 1.90E-02 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 5.92E-03 | 5.46E-02 | 1.13E-01 | 1.28E-01 | 7.80E-02 | 4.74E-02 | 5.00E-02 | 5.28E-02 | 5.01E-02 | 4.54E-02 | 4.14E-02 | 3.30E-02 |
| UB_Wall1 | 9.51E-08 | 9.95E-04 | 1.00E-02 | 3.20E-02 | 2.88E-02 | 2.01E-02 | 1.82E-02 | 1.89E-02 | 1.11E-01 | 1.04E-01 | 1.07E-01 | 1.32E-02 |
| Bone_Sur | 3.80E+00 | 3.26E+00 | 2.64E+00 | 1.62E+00 | 6.15E-01 | 1.76E-01 | 1.81E-02 | 1.81E-02 | 1.81E-02 | 1.81E-02 | 1.76E-02 | 7.07E-02 |
| Brain | 5.58E-02 | 1.34E-01 | 1.81E-01 | 1.53E-01 | 7.66E-02 | 4.58E-02 | 4.77E-02 | 5.16E-02 | 4.92E-02 | 4.53E-02 | 4.20E-02 | 3.45E-02 |
| Breasts | 8.00E-03 | 4.23E-02 | 5.76E-02 | 4.31E-02 | 2.49E-02 | 1.60E-02 | 1.93E-02 | 2.09E-02 | 2.07E-02 | 2.00E-02 | 1.91E-02 | 1.64E-02 |
| St_Wall1 | 2.56E-04 | 4.95E-03 | 1.84E-02 | 3.62E-02 | 3.27E-02 | 2.21E-02 | 2.15E-02 | 2.22E-02 | 2.05E-02 | 1.96E-02 | 1.88E-02 | 1.56E-02 |
| SI_Wall1 | 7.42E-03 | 1.99E-02 | 3.97E-02 | 6.18E-02 | 4.76E-02 | 3.03E-02 | 3.03E-02 | 3.14E-02 | 2.84E-02 | 2.84E-02 | 2.47E-02 | 2.03E-02 |
| ULI_Wall1 | 7.71E-03 | 2.48E-02 | 4.27E-02 | 5.53E-02 | 4.21E-02 | 2.84E-02 | 2.70E-02 | 2.87E-02 | 2.70E-02 | 2.40E-02 | 2.21E-02 | 1.84E-02 |
| LLI_Wall1 | 2.04E-02 | 6.94E-02 | 1.03E-01 | 9.43E-02 | 5.72E-02 | 3.49E-02 | 3.42E-02 | 3.76E-02 | 3.65E-02 | 3.36E-02 | 3.10E-02 | 2.49E-02 |
| Kidneys | 4.32E-03 | 2.47E-02 | 5.80E-02 | 8.20E-02 | 5.62E-02 | 3.54E-02 | 3.61E-02 | 3.84E-02 | 3.72E-02 | 3.53E-02 | 3.30E-02 | 2.50E-02 |
| Liver | 2.78E-03 | 3.37E-02 | 3.08E-02 | 4.75E-02 | 3.74E-02 | 2.47E-02 | 2.40E-02 | 2.55E-02 | 2.52E-02 | 2.34E-02 | 2.18E-02 | 1.78E-02 |
| ET1-bas | 1.15E-06 | 1.39E-03 | 1.20E-02 | 3.68E-02 | 3.52E-02 | 2.44E-02 | 2.21E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 |
| ET2-bas | 1.15E-06 | 1.39E-03 | 1.20E-02 | 3.68E-02 | 3.52E-02 | 2.44E-02 | 2.21E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 |
| LN-ET | 1.15E-06 | 1.39E-03 | 1.20E-02 | 3.68E-02 | 3.52E-02 | 2.44E-02 | 2.21E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 |
| BBi-bas | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| BBi-sec | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| bbe-sec | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| AI | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| LN-Th | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| Lng_Tiss | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| Lung_NP | 1.15E-06 | 1.39E-03 | 1.20E-02 | 3.68E-02 | 3.52E-02 | 2.44E-02 | 2.21E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 |
| Lung_TB | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| Lung_P | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| Muscle | 3.17E-02 | 6.43E-02 | 8.53E-02 | 8.31E-02 | 5.01E-02 | 3.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 |
| Ovaries | 8.89E-05 | 1.93E-02 | 6.29E-02 | 9.05E-02 | 5.78E-02 | 3.53E-02 | 3.39E-02 | 3.39E-02 | 3.25E-02 | 3.18E-02 | 3.07E-02 | 2.32E-02 |
| Pancreas | 2.34E-05 | 3.82E-03 | 2.14E-02 | 5.53E-02 | 4.79E-02 | 3.13E-02 | 3.00E-02 | 3.17E-02 | 2.90E-02 | 2.66E-02 | 2.48E-02 | 2.06E-02 |
| R_Marrow | 9.62E-01 | 7.40E-01 | 5.59E-01 | 3.24E-01 | 1.53E-01 | 9.92E-02 | 1.02E-01 | 1.05E-01 | 9.99E-02 | 9.09E-02 | 8.35E-02 | 6.77E-02 |
| Skin | 3.90E-02 | 7.39E-02 | 8.88E-02 | 8.88E-02 | 4.10E-02 | 2.57E-02 | 2.82E-02 | 3.32E-02 | 3.25E-02 | 3.03E-02 | 2.45E-02 | 2.45E-02 |
| Spleen | 1.11E-03 | 1.30E-02 | 3.80E-02 | 5.99E-02 | 4.63E-02 | 2.94E-02 | 2.93E-02 | 3.22E-02 | 2.90E-02 | 2.68E-02 | 2.52E-02 | 2.07E-02 |
| Testes | 1.07E-08 | 3.84E-04 | 6.10E-03 | 2.43E-02 | 2.35E-02 | 1.54E-02 | 1.71E-02 | 1.72E-02 | 1.65E-02 | 1.62E-02 | 1.30E-02 | 1.30E-02 |
| Thymus | 1.83E-03 | 2.12E-02 | 4.09E-02 | 4.64E-02 | 3.30E-02 | 2.09E-02 | 2.18E-02 | 2.37E-02 | 2.32E-02 | 2.06E-02 | 1.87E-02 | 1.62E-02 |
| Thyroid | 1.15E-06 | 1.39E-03 | 1.20E-02 | 3.68E-02 | 3.52E-02 | 2.44E-02 | 2.21E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 |
| GB_Wall1 | 5.86E-08 | 4.50E-04 | 7.92E-03 | 3.57E-02 | 3.52E-02 | 2.47E-02 | 2.43E-02 | 2.29E-02 | 2.02E-02 | 1.82E-02 | 1.65E-02 | 1.65E-02 |
| Ht_Wall1 | 7.51E-04 | 8.96E-03 | 2.79E-02 | 4.84E-02 | 3.85E-02 | 2.47E-02 | 2.48E-02 | 2.57E-02 | 2.39E-02 | 2.23E-02 | 2.10E-02 | 1.82E-02 |
| Uterus | 7.97E-08 | 1.31E-03 | 1.76E-02 | 4.87E-02 | 4.15E-02 | 2.75E-02 | 2.60E-02 | 2.59E-02 | 2.53E-02 | 2.24E-02 | 2.04E-02 | 1.82E-02 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 5.92E-03 | 5.46E-02 | 1.13E-01 | 1.28E-01 | 7.80E-02 | 4.74E-02 | 5.00E-02 | 5.28E-02 | 5.01E-02 | 4.54E-02 | 4.14E-02 | 3.30E-02 |
| UB_Wall1 | 9.51E-08 | 9.95E-04 | 1.00E-02 | 3.20E-02 | 2.88E-02 | 2.01E-02 | 1.82E-02 | 1.89E-02 | 1.11E-01 | 1.04E-01 | 1.07E-01 | 1.32E-02 |
| Bone_Sur | 3.80E+00 | 3.26E+00 | 2.64E+00 | 1.62E+00 | 6.15E-01 | 1.76E-01 | 1.81E-02 | 1.81E-02 | 1.81E-02 | 1.81E-02 | 1.76E-02 | 7.07E-02 |
| Brain | 5.58E-02 | 1.34E-01 | 1.81E-01 | 1.53E-01 | 7.66E-02 | 4.58E-02 | 4.77E-02 | 5.16E-02 | 4.92E-02 | 4.53E-02 | 4.20E-02 | 3.45E-02 |
| Breasts | 8.00E-03 | 4.23E-02 | 5.76E-02 | 4.31E-02 | 2.49E-02 | 1.60E-02 | 1.93E-02 | 2.09E-02 | 2.07E-02 | 2.00E-02 | 1.91E-02 | 1.64E-02 |
| St_Wall1 | 2.56E-04 | 4.95E-03 | 1.84E-02 | 3.62E-02 | 3.27E-02 | 2.21E-02 | 2.15E-02 | 2.22E-02 | 2.05E-02 | 1.96E-02 | 1.88E-02 | 1.56E-02 |
| SI_Wall1 | 7.42E-03 | 1.99E-02 | 3.97E-02 | 6.18E-02 | 4.76E-02 | 3.03E-02 | 3.03E-02 | 3.14E-02 | 2.84E-02 | 2.64E-02 | 2.47E-02 | 2.03E-02 |
| ULI_Wall1 | 7.71E-03 | 2.48E-02 | 4.27E-02 | 5.53E-02 | 4.21E-02 | 2.84E-02 | 2.70E-02 | 2.87E-02 | 2.70E-02 | 2.40E-02 | 2.21E-02 | 1.84E-02 |
| LLI_Wall1 | 2.04E-02 | 6.94E-02 | 1.03E-01 | 9.43E-02 | 5.72E-02 | 3.49E-02 | 3.42E-02 | 3.76E-02 | 3.65E-02 | 3.36E-02 | 3.10E-02 | 2.49E-02 |
| Kidneys | 4.32E-03 | 2.47E-02 | 5.80E-02 | 8.20E-02 | 5.62E-02 | 3.54E-02 | 3.61E-02 | 3.84E-02 | 3.72E-02 | 3.53E-02 | 3.30E-02 | 2.50E-02 |
| Liver | 2.78E-03 | 3.37E-02 | 3.08E-02 | 4.75E-02 | 3.74E-02 | 2.47E-02 | 2.40E-02 | 2.55E-02 | 2.52E-02 | 2.34E-02 | 2.18E-02 | 1.78E-02 |
| ET1-bas | 1.15E-06 | 1.39E-03 | 1.20E-02 | 3.68E-02 | 3.52E-02 | 2.44E-02 | 2.21E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 |
| ET2-bas | 1.15E-06 | 1.39E-03 | 1.20E-02 | 3.68E-02 | 3.52E-02 | 2.44E-02 | 2.21E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 |
| LN-ET | 1.15E-06 | 1.39E-03 | 1.20E-02 | 3.68E-02 | 3.52E-02 | 2.44E-02 | 2.21E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 |
| BBi-bas | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| BBi-sec | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| bbe-sec | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| AI | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| LN-Th | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| Lng_Tiss | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| Lung_NP | 1.15E-06 | 1.39E-03 | 1.20E-02 | 3.68E-02 | 3.52E-02 | 2.44E-02 | 2.21E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 |
| Lung_TB | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| Lung_P | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| Muscle | 3.17E-02 | 6.43E-02 | 8.53E-02 | 8.31E-02 | 5.01E-02 | 3.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 |
| Ovaries | 8.89E-05 | 1.93E-02 | 6.29E-02 | 9.05E-02 | 5.78E-02 | 3.53E-02 | 3.39E-02 | 3.39E-02 | 3.25E-02 | 3.18E-02 | 3.07E-02 | 2.32E-02 |
| Pancreas | 2.34E-05 | 3.82E-03 | 2.14E-02 | 5.53E-02 | 4.79E-02 | 3.13E-02 | 3.00E-02 | 3.17E-02 | 2.90E-02 | 2.66E-02 | 2.48E-02 | 2.06E-02 |
| R_Marrow | 9.62E-01 | 7.40E-01 | 5.59E-01 | 3.24E-01 | 1.53E-01 | 9.92E-02 | 1.02E-01 | 1.05E-01 | 9.99E-02 | 9.09E-02 | 8.35E-02 | 6.77E-02 |
| Skin | 3.90E-02 | 7.39E-02 | 8.88E-02 | 8.88E-02 | 4.10E-02 | 2.57E-02 | 2.88E-02 | 3.32E-02 | 3.25E-02 | 3.03E-02 | 2.45E-02 | 2.45E-02 |
| Spleen | 1.11E-03 | 1.30E-02 | 3.80E-02 | 5.99E-02 | 4.63E-02 | 2.94E-02 | 2.93E-02 | 3.22E-02 | 2.90E-02 | 2.68E-02 | 2.52E-02 | 2.07E-02 |
| Testes | 1.07E-08 | 3.84E-04 | 6.10E-03 | 2.43E-02 | 4.35E-02 | 1.54E-02 | 1.54E-02 | 1.71E-02 | 1.72E-02 | 1.65E-02 | 1.62E-02 | 1.30E-02 |
| Thymus | 1.83E-03 | 2.12E-02 | 4.09E-02 | 4.64E-02 | 3.30E-02 | 2.09E-02 | 2.18E-02 | 2.37E-02 | 2.32E-02 | 2.06E-02 | 1.87E-02 | 1.62E-02 |
| Thyroid | 1.15E-06 | 1.39E-03 | 1.20E-02 | 3.68E-02 | 3.52E-02 | 2.44E-02 | 2.21E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 |
| GB_Wall1 | 5.86E-08 | 4.50E-04 | 7.92E-03 | 3.57E-02 | 3.52E-02 | 2.47E-02 | 2.43E-02 | 2.29E-02 | 2.02E-02 | 1.82E-02 | 1.65E-02 | 1.30E-02 |
| Ht_Wall1 | 7.51E-04 | 8.96E-03 | 2.79E-02 | 4.84E-02 | 3.85E-02 | 2.47E-02 | 2.48E-02 | 2.57E-02 | 2.39E-02 | 2.23E-02 | 2.10E-02 | 1.82E-02 |
| Uterus | 7.97E-08 | 1.31E-03 | 1.76E-02 | 4.87E-02 | 4.15E-02 | 2.75E-02 | 2.60E-02 | 2.59E-02 | 2.53E-02 | 2.24E-02 | 2.04E-02 | 1.82E-02 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 1.20E-06 | 4.60E-04 | 1.53E-03 | 2.18E-03 | 2.37E-03 | 3.27E-03 | 3.80E-03 | 3.86E-03 | 3.83E-03 | 3.75E-03 |
| UB_Wall1 | 0.0 | 0.0 | 6.47E-10 | 1.13E-05 | 1.83E-04 | 2.82E-04 | 4.17E-04 | 6.44E-04 | 8.28E-04 | 9.27E-04 | 9.92E-04 | 1.14E-03 |
| Bone_Sur | 1.49E-01 | 4.18E-01 | 6.32E-01 | 6.11E-01 | 2.89E-01 | 8.34E-02 | 4.73E-02 | 4.38E-02 | 4.26E-02 | 3.96E-02 | 3.69E-02 | 3.01E-02 |
| Brain | 2.74E+00 | 2.48E+00 | 2.05E+00 | 1.18E+00 | 4.85E-01 | 2.74E-01 | 2.82E-01 | 2.98E-01 | 2.80E-01 | 2.57E-01 | 2.36E-01 | 1.87E-01 |
| Breasts | 0.0 | 7.76E-10 | 1.37E-05 | 7.91E-04 | 2.38E-03 | 3.16E-03 | 3.28E-03 | 5.22E-03 | 5.53E-03 | 5.56E-03 | 5.54E-03 | 5.11E-03 |
| St_Wall1 | 0.0 | 0.0 | 4.90E-07 | 3.74E-04 | 1.08E-03 | 1.60E-03 | 1.84E-03 | 2.38E-03 | 2.85E-03 | 3.03E-03 | 3.04E-03 | 2.66E-03 |
| SI_Wall1 | 0.0 | 0.0 | 1.81E-08 | 5.77E-05 | 3.61E-04 | 4.94E-04 | 6.99E-04 | 1.07E-03 | 1.34E-03 | 1.47E-03 | 1.55E-03 | 1.71E-03 |
| ULI_Wall1 | 0.0 | 0.0 | 2.57E-08 | 6.83E-05 | 3.54E-04 | 8.20E-04 | 9.47E-04 | 1.45E-03 | 1.68E-03 | 1.67E-03 | 1.66E-03 | 1.78E-03 |
| LLI_Wall1 | 0.0 | 0.0 | 3.59E-09 | 2.11E-05 | 1.66E-04 | 3.75E-04 | 5.25E-04 | 7.50E-04 | 8.93E-04 | 9.77E-04 | 1.05E-03 | 1.26E-03 |
| Kidneys | 0.0 | 0.0 | 2.09E-07 | 1.98E-04 | 9.24E-04 | 1.38E-03 | 1.69E-03 | 2.17E-03 | 2.91E-03 | 3.30E-03 | 3.31E-03 | 2.41E-03 |
| Liver | 0.0 | 0.0 | 7.30E-07 | 3.53E-04 | 1.38E-03 | 1.98E-03 | 2.14E-03 | 2.87E-03 | 3.20E-03 | 3.35E-03 | 3.20E-03 | 3.17E-03 |
| ET1-bas | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.69E-02 | 2.52E-02 | 2.41E-02 | 2.31E-02 | 2.02E-02 |
| ET2-bas | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.69E-02 | 2.52E-02 | 2.41E-02 | 2.31E-02 | 2.02E-02 |
| LN-ET | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.69E-02 | 2.52E-02 | 2.41E-02 | 2.31E-02 | 2.02E-02 |
| BBi-bas | 0.0 | 1.81E-07 | 1.28E-04 | 3.40E-03 | 6.90E-03 | 5.60E-03 | 5.63E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| BBi-sec | 0.0 | 1.81E-07 | 1.28E-04 | 3.40E-03 | 6.90E-03 | 5.60E-03 | 5.63E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| bbe-sec | 0.0 | 1.81E-07 | 1.28E-04 | 3.40E-03 | 6.90E-03 | 5.60E-03 | 5.63E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| AI | 0.0 | 1.81E-07 | 1.28E-04 | 3.40E-03 | 6.90E-03 | 5.60E-03 | 5.63E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| LN-Th | 0.0 | 1.81E-07 | 1.28E-04 | 3.40E-03 | 6.90E-03 | 5.60E-03 | 5.63E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| Lng_Tiss | 0.0 | 1.81E-07 | 1.28E-04 | 3.40E-03 | 6.90E-03 | 5.60E-03 | 5.63E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| Lung_NP | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.69E-02 | 2.52E-02 | 2.41E-02 | 2.31E-02 | 2.02E-02 |
| Lung_TB | 0.0 | 1.81E-07 | 1.28E-04 | 3.40E-03 | 6.90E-03 | 5.60E-03 | 5.63E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| Lung_P | 0.0 | 1.81E-07 | 1.28E-04 | 3.40E-03 | 6.90E-03 | 5.60E-03 | 5.63E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| Muscle | 1.73E-04 | 5.29E-03 | 1.94E-02 | 3.37E-02 | 2.39E-02 | 1.57E-02 | 1.60E-02 | 1.74E-02 | 1.67E-02 | 1.59E-02 | 1.50E-02 | 1.22E-02 |
| Ovaries | 0.0 | 0.0 | 3.15E-09 | 2.55E-05 | 2.55E-04 | 3.67E-04 | 5.14E-04 | 7.53E-04 | 9.55E-04 | 1.08E-03 | 1.17E-03 | 1.40E-03 |
| Pancreas | 0.0 | 0.0 | 7.23E-07 | 3.53E-04 | 1.34E-03 | 2.29E-03 | 2.30E-03 | 2.90E-03 | 3.57E-03 | 3.79E-03 | 3.80E-03 | 3.41E-03 |
| R_Marrow | 4.55E-02 | 1.17E-01 | 1.69E-01 | 1.63E-01 | 9.64E-02 | 5.77E-02 | 5.14E-02 | 5.15E-02 | 4.91E-02 | 4.53E-02 | 4.20E-02 | 3.45E-02 |
| Skin | 6.77E-04 | 1.38E-02 | 4.26E-02 | 5.44E-02 | 3.23E-02 | 2.10E-02 | 2.36E-02 | 2.49E-02 | 2.36E-02 | 2.12E-02 | 1.64E-02 | 1.22E-02 |
| Spleen | 0.0 | 0.0 | 6.02E-07 | 4.26E-04 | 2.21E-03 | 2.38E-03 | 2.83E-03 | 3.27E-03 | 3.11E-03 | 3.18E-03 | 3.25E-03 | 3.27E-03 |
| Testes | 0.0 | 0.0 | 0.0 | 3.39E-06 | 1.06E-04 | 2.17E-04 | 3.76E-04 | 6.06E-04 | 7.34E-04 | 7.86E-04 | 8.14E-04 | 8.65E-04 |
| Thymus | 0.0 | 7.65E-07 | 3.81E-04 | 5.07E-03 | 1.19E-02 | 8.96E-03 | 1.01E-02 | 1.16E-02 | 1.14E-02 | 1.14E-02 | 1.13E-02 | 9.96E-03 |
| Thyroid | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.69E-02 | 2.52E-02 | 2.41E-02 | 2.31E-02 | 2.02E-02 |
| GB_Wall1 | 0.0 | 0.0 | 2.63E-07 | 2.47E-04 | 1.22E-03 | 1.42E-03 | 1.45E-03 | 2.12E-03 | 2.42E-03 | 2.58E-03 | 2.65E-03 | 2.48E-03 |
| Ht_Wall1 | 0.0 | 6.16E-09 | 2.69E-05 | 1.65E-03 | 3.85E-03 | 4.54E-03 | 5.90E-03 | 6.16E-03 | 5.82E-03 | 5.45E-03 | 4.48E-03 | 4.48E-03 |
| Uterus | 0.0 | 0.0 | 2.51E-09 | 2.28E-05 | 2.28E-04 | 3.10E-04 | 4.64E-04 | 7.99E-04 | 1.08E-03 | 1.20E-03 | 1.25E-03 | 1.36E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 1.65E-05 | 3.86E-03 | 4.22E-02 | 4.46E-02 | 2.63E-02 | 2.72E-02 | 2.95E-02 | 2.65E-02 | 2.38E-02 | 2.20E-02 | 1.88E-02 | |
| UB_Wall1 | 0.0 | 1.25E-09 | 2.70E-05 | 2.84E-03 | 8.61E-03 | 8.03E-03 | 7.87E-03 | 8.18E-03 | 7.81E-03 | 7.48E-03 | 7.25E-03 | 6.01E-03 | |
| Bone_Sur | 4.57E-02 | 2.58E-01 | 3.69E-01 | 3.27E-01 | 1.68E-01 | 5.18E-02 | 3.42E-02 | 3.17E-02 | 3.16E-02 | 3.04E-02 | 2.90E-02 | 2.48E-02 | |
| Brain | 0.0 | 7.76E-10 | 1.37E-05 | 7.91E-04 | 2.38E-03 | 3.16E-03 | 3.28E-03 | 5.22E-03 | 5.53E-03 | 5.56E-03 | 5.54E-03 | 5.11E-03 | |
| Breasts | 4.47E+03 | 1.73E+03 | 7.62E+02 | 2.29E+02 | 6.93E+01 | 3.98E+01 | 4.51E+01 | 4.99E+01 | 4.92E+01 | 4.59E+01 | 4.28E+01 | 3.54E+01 | |
| St_Wall1 | 7.93E-09 | 2.16E-03 | 2.34E-02 | 8.18E-02 | 7.85E-02 | 4.41E-02 | 4.73E-02 | 4.98E-02 | 4.03E-02 | 3.50E-02 | 3.28E-02 | 3.31E-02 | |
| SI_Wall1 | 0.0 | 5.59E-07 | 5.46E-04 | 1.04E-02 | 1.46E-02 | 1.41E-02 | 1.28E-02 | 1.34E-02 | 1.32E-02 | 1.27E-02 | 1.24E-02 | 1.22E-02 | |
| ULI_Wall1 | 0.0 | 1.62E-06 | 9.97E-04 | 9.28E-03 | 2.00E-02 | 1.45E-02 | 1.32E-02 | 1.64E-02 | 1.77E-02 | 1.61E-02 | 1.50E-02 | 1.26E-02 | |
| LLI_Wall1 | 0.0 | 9.65E-08 | 1.36E-04 | 4.93E-03 | 7.00E-03 | 9.03E-03 | 9.80E-03 | 9.52E-03 | 8.93E-03 | 8.59E-03 | 8.24E-03 | 6.84E-03 | |
| Kidneys | 0.0 | 1.19E-06 | 9.02E-04 | 8.64E-03 | 2.48E-02 | 1.94E-02 | 1.71E-02 | 1.67E-02 | 1.59E-02 | 1.58E-02 | 1.40E-02 | | |
| Liver | 4.52E-08 | 4.17E-03 | 3.62E-02 | 9.93E-02 | 7.33E-02 | 4.52E-02 | 4.63E-02 | 5.03E-02 | 4.62E-02 | 4.37E-02 | 4.14E-02 | 3.27E-02 | |
| ET1-bas | 0.0 | 6.90E-05 | 9.11E-03 | 4.12E-02 | 3.73E-02 | 3.34E-02 | 3.21E-02 | 3.43E-02 | 3.33E-02 | 3.17E-02 | 3.03E-02 | 2.48E-02 | |
| ET2-bas | 0.0 | 6.90E-05 | 9.11E-03 | 4.12E-02 | 3.73E-02 | 3.34E-02 | 3.21E-02 | 3.43E-02 | 3.33E-02 | 3.17E-02 | 3.03E-02 | 2.48E-02 | |
| LN-ET | 0.0 | 6.90E-05 | 9.11E-03 | 4.12E-02 | 3.73E-02 | 3.34E-02 | 3.21E-02 | 3.43E-02 | 3.33E-02 | 3.17E-02 | 3.03E-02 | 2.48E-02 | |
| BBi-bas | 7.10E-03 | 1.41E-01 | 3.22E-01 | 2.91E-01 | 1.37E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.48E-02 | 8.41E-02 | 8.03E-02 | 5.99E-02 | |
| BBi-sec | 7.10E-03 | 1.41E-01 | 3.22E-01 | 2.91E-01 | 1.37E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.48E-02 | 8.41E-02 | 8.03E-02 | 5.99E-02 | |
| bbe-sec | 7.10E-03 | 1.41E-01 | 3.22E-01 | 2.91E-01 | 1.37E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.48E-02 | 8.41E-02 | 8.03E-02 | 5.99E-02 | |
| AI | 7.10E-03 | 1.41E-01 | 3.22E-01 | 2.91E-01 | 1.37E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.48E-02 | 8.41E-02 | 8.03E-02 | 5.99E-02 | |
| LN-Th | 7.10E-03 | 1.41E-01 | 3.22E-01 | 2.91E-01 | 1.37E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.48E-02 | 8.41E-02 | 8.03E-02 | 5.99E-02 | |
| Lng_Tiss | 7.10E-03 | 1.41E-01 | 3.22E-01 | 2.91E-01 | 1.37E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.48E-02 | 8.41E-02 | 8.03E-02 | 5.99E-02 | |
| Lung_NP | 0.0 | 6.90E-05 | 9.11E-03 | 4.12E-02 | 3.73E-02 | 3.34E-02 | 3.21E-02 | 3.43E-02 | 3.33E-02 | 3.17E-02 | 3.03E-02 | 2.48E-02 | |
| Lung_TB | 7.10E-03 | 1.41E-01 | 3.22E-01 | 2.91E-01 | 1.37E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.48E-02 | 8.41E-02 | 8.03E-02 | 5.99E-02 | |
| Lung_P | 7.10E-03 | 1.41E-01 | 3.22E-01 | 2.91E-01 | 1.37E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.48E-02 | 8.41E-02 | 8.03E-02 | 5.99E-02 | |
| Muscle | 7.10E-02 | 9.49E-02 | 9.47E-02 | 7.24E-02 | 3.95E-02 | 2.59E-02 | 2.76E-02 | 3.12E-02 | 3.09E-02 | 2.87E-02 | 2.67E-02 | 2.16E-02 | |
| Ovaries | 0.0 | 9.88E-09 | 8.26E-05 | 5.16E-03 | 1.24E-02 | 1.05E-02 | 1.01E-02 | 1.05E-02 | 9.95E-03 | 9.50E-03 | 9.19E-03 | 7.60E-03 | |
| Pancreas | 0.0 | 1.59E-04 | 1.35E-02 | 4.27E-02 | 6.98E-02 | 6.18E-02 | 4.83E-02 | 4.03E-02 | 3.64E-02 | 3.50E-02 | 3.35E-02 | 2.74E-02 | |
| R_Marrow | 6.97E-03 | 3.56E-02 | 4.75E-02 | 3.98E-02 | 2.50E-02 | 1.75E-02 | 2.02E-02 | 2.09E-02 | 2.07E-02 | 2.00E-02 | 1.91E-02 | 1.64E-02 | |
| Skin | 1.36E+00 | 8.94E-01 | 5.11E-01 | 1.93E-01 | 6.84E-02 | 4.19E-02 | 4.91E-02 | 5.71E-02 | 5.24E-02 | 4.69E-02 | 4.34E-02 | 3.84E-02 | |
| Spleen | 0.0 | 4.30E-05 | 1.44E-02 | 3.63E-02 | 4.54E-02 | 3.43E-02 | 3.51E-02 | 3.48E-02 | 2.66E-02 | 2.24E-02 | 2.04E-02 | 1.90E-02 | |
| 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 | 1.23E-06 | 2.15E-02 | 9.91E-02 | 2.54E-01 | 1.58E-01 | 1.02E-01 | 1.02E-01 | 9.72E-02 | 1.17E-01 | 1.06E-01 | 9.11E-02 | 8.31E-02 | 7.82E-02 |
| Thyroid | 0.0 | 6.90E-05 | 9.11E-03 | 4.12E-02 | 3.73E-02 | 3.34E-02 | 3.21E-02 | 3.43E-02 | 3.33E-02 | 3.17E-02 | 3.03E-02 | 2.48E-02 | |
| GB_Wall1 | 0.0 | 7.89E-05 | 9.34E-03 | 6.39E-02 | 4.69E-02 | 3.43E-02 | 3.13E-02 | 3.41E-02 | 3.29E-02 | 3.13E-02 | 3.02E-02 | 2.47E-02 | |
| Ht_Wall1 | 5.23E-03 | 1.99E-01 | 5.62E-01 | 5.75E-01 | 2.73E-01 | 1.66E-01 | 1.71E-01 | 1.89E-01 | 1.73E-01 | 1.67E-01 | 1.60E-01 | 1.28E-01 | |
| Uterus | 0.0 | 8.58E-09 | 8.00E-05 | 5.14E-03 | 1.25E-02 | 1.19E-02 | 1.12E-02 | 1.05E-02 | 9.87E-03 | 9.52E-03 | 9.28E-03 | 7.61E-03 | |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| Source = St_Cont | 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 | 2.46E-07 | 6.98E-03 | 7.91E-02 | 1.98E-01 | 1.60E-01 | 9.08E-02 | 8.18E-02 | 8.15E-02 | 7.68E-02 | 7.21E-02 | 6.78E-02 | 5.59E-02 | | |
| UB_Wall1 | 0.0 | 2.56E-05 | 3.92E-03 | 2.68E-02 | 4.34E-02 | 2.59E-02 | 2.34E-02 | 2.88E-02 | 2.66E-02 | 2.72E-02 | 2.66E-02 | 1.79E-02 | | |
| Bone_Sur | 2.22E-04 | 1.98E-02 | 1.02E-01 | 2.58E-01 | 2.10E-01 | 7.03E-02 | 3.69E-02 | 3.21E-02 | 3.16E-02 | 2.91E-02 | 2.68E-02 | 2.10E-02 | | |
| Brain | 0.0 | 0.0 | 4.42E-07 | 3.41E-04 | 1.22E-03 | 1.44E-03 | 1.79E-03 | 2.47E-03 | 2.55E-03 | 2.64E-03 | 2.70E-03 | 2.66E-03 | | |
| Breasts | 1.56E-09 | 1.31E-03 | 3.41E-02 | 6.62E-02 | 6.89E-02 | 4.69E-02 | 5.47E-02 | 5.45E-02 | 4.67E-02 | 4.28E-02 | 4.04E-02 | 3.54E-02 | | |
| St_Wall1 | 1.45E+01 | 1.97E+01 | 1.59E+01 | 7.33E+00 | 2.46E+00 | 1.38E+00 | 1.44E+00 | 1.59E+00 | 1.50E+00 | 1.39E+00 | 1.28E+00 | 9.90E-01 | | |
| SI_Wall1 | 2.74E-03 | 3.66E-02 | 1.49E-01 | 2.93E-01 | 1.81E-01 | 1.05E-01 | 1.02E-01 | 9.94E-02 | 8.66E-02 | 8.03E-02 | 7.60E-02 | 6.46E-02 | | |
| ULI_Wall1 | 2.46E-03 | 1.55E-01 | 4.39E-01 | 4.21E-01 | 2.34E-01 | 1.27E-01 | 1.26E-01 | 1.28E-01 | 1.20E-01 | 1.11E-01 | 1.01E-01 | 7.37E-02 | | |
| LLI_Wall1 | 4.73E-05 | 1.89E-02 | 6.38E-02 | 1.34E-01 | 1.09E-01 | 6.26E-02 | 5.62E-02 | 5.00E-02 | 4.81E-02 | 4.50E-02 | 4.26E-02 | 3.90E-02 | | |
| Kidneys | 1.91E-08 | 3.25E-03 | 3.75E-02 | 1.64E-01 | 1.27E-01 | 7.68E-02 | 6.85E-02 | 6.92E-02 | 6.78E-02 | 6.16E-02 | 5.49E-02 | 3.73E-02 | | |
| Liver | 2.52E-03 | 7.78E-02 | 2.70E-02 | 3.54E-01 | 2.03E-01 | 1.18E-01 | 1.12E-01 | 1.13E-01 | 1.04E-01 | 9.83E-02 | 9.31E-02 | 7.48E-02 | | |
| ET1-bas | 0.0 | 8.79E-08 | 2.10E-04 | 8.66E-03 | 1.12E-02 | 1.08E-02 | 1.04E-02 | 9.91E-03 | 9.56E-03 | 9.36E-03 | 9.22E-03 | 8.89E-03 | | |
| ET2-bas | 0.0 | 8.79E-08 | 2.10E-04 | 8.66E-03 | 1.12E-02 | 1.08E-02 | 1.04E-02 | 9.91E-03 | 9.56E-03 | 9.36E-03 | 9.22E-03 | 8.89E-03 | | |
| LN-ET | 0.0 | 8.79E-08 | 2.10E-04 | 8.66E-03 | 1.12E-02 | 1.08E-02 | 1.04E-02 | 9.91E-03 | 9.56E-03 | 9.36E-03 | 9.22E-03 | 8.89E-03 | | |
| BBi-bas | 1.32E-04 | 2.91E-02 | 8.15E-02 | 1.50E-01 | 9.81E-02 | 5.51E-02 | 5.31E-02 | 5.23E-02 | 5.13E-02 | 4.94E-02 | 4.40E-02 | 4.02E-02 | 3.49E-02 | |
| BBi-sec | 1.32E-04 | 2.91E-02 | 8.15E-02 | 1.50E-01 | 9.81E-02 | 5.51E-02 | 5.31E-02 | 5.23E-02 | 5.13E-02 | 4.94E-02 | 4.40E-02 | 4.02E-02 | 3.49E-02 | |
| bbe-sec | 1.32E-04 | 2.91E-02 | 8.15E-02 | 1.50E-01 | 9.81E-02 | 5.51E-02 | 5.31E-02 | 5.23E-02 | 5.13E-02 | 4.94E-02 | 4.40E-02 | 4.02E-02 | 3.49E-02 | |
| AI | 1.32E-04 | 2.91E-02 | 8.15E-02 | 1.50E-01 | 9.81E-02 | 5.51E-02 | 5.31E-02 | 5.23E-02 | 5.13E-02 | 4.94E-02 | 4.40E-02 | 4.02E-02 | 3.49E-02 | |
| LN-Th | 1.32E-04 | 2.91E-02 | 8.15E-02 | 1.50E-01 | 9.81E-02 | 5.51E-02 | 5.31E-02 | 5.23E-02 | 5.13E-02 | 4.94E-02 | 4.40E-02 | 4.02E-02 | 3.49E-02 | |
| Lng_Tiss | 1.32E-04 | 2.91E-02 | 8.15E-02 | 1.50E-01 | 9.81E-02 | 5.51E-02 | 5.31E-02 | 5.23E-02 | 5.13E-02 | 4.94E-02 | 4.40E-02 | 4.02E-02 | 3.49E-02 | |
| Lung_NP | 0.0 | 8.79E-08 | 2.10E-04 | 8.66E-03 | 1.12E-02 | 1.08E-02 | 1.04E-02 | 9.91E-03 | 9.56E-03 | 9.36E-03 | 9.22E-03 | 8.89E-03 | | |
| Lung_TB | 1.32E-04 | 2.91E-02 | 8.15E-02 | 1.50E-01 | 9.81E-02 | 5.51E-02 | 5.31E-02 | 5.23E-02 | 5.13E-02 | 4.94E-02 | 4.40E-02 | 4.02E-02 | 3.49E-02 | |
| Lung_P | 1.32E-04 | 2.91E-02 | 8.15E-02 | 1.50E-01 | 9.81E-02 | 5.51E-02 | 5.31E-02 | 5.23E-02 | 5.13E-02 | 4.94E-02 | 4.40E-02 | 4.02E-02 | 3.49E-02 | |
| Muscle | 1.17E-02 | 8.49E-02 | 1.49E-01 | 1.42E-01 | 7.76E-02 | 4.65E-02 | 4.66E-02 | 4.86E-02 | 4.57E-02 | 4.94E-02 | 4.40E-02 | 4.02E-02 | 3.49E-02 | |
| Ovaries | 0.0 | 4.34E-04 | 1.90E-02 | 8.85E-02 | 8.92E-02 | 4.66E-02 | 4.19E-02 | 4.09E-02 | 4.13E-02 | 4.13E-02 | 3.77E-02 | 3.48E-02 | | |
| Pancreas | 2.23E-02 | 7.77E-01 | 1.82E+00 | 1.55E+00 | 6.67E-01 | 3.72E-01 | 3.80E-01 | 3.67E-01 | 3.50E-01 | 3.18E-01 | 2.88E-01 | 2.24E-01 | | |
| R_Marrow | 5.97E-05 | 2.64E-03 | 1.31E-02 | 3.32E-02 | 3.14E-02 | 2.24E-02 | 2.12E-02 | 2.25E-02 | 2.25E-02 | 2.03E-02 | 1.84E-02 | 1.51E-02 | | |
| Skin | 2.65E-05 | 5.00E-03 | 2.18E-02 | 4.46E-02 | 3.07E-02 | 1.95E-02 | 1.95E-02 | 2.22E-02 | 2.18E-02 | 2.18E-02 | 2.37E-02 | 2.25E-02 | | |
| Spleen | 1.12E-04 | 8.71E-02 | 4.38E-01 | 6.53E-01 | 3.36E-01 | 1.92E-01 | 1.87E-01 | 1.87E-01 | 1.79E-01 | 1.62E-01 | 1.46E-01 | 1.08E-01 | | |
| Testes | 0.0 | 1.09E-07 | 2.44E-04 | 8.30E-03 | 1.22E-02 | 1.27E-02 | 1.32E-02 | 1.32E-02 | 1.26E-02 | 1.18E-02 | 1.12E-02 | 9.31E-03 | | |
| Thymus | 0.0 | 2.48E-05 | 3.53E-03 | 3.19E-02 | 3.08E-02 | 2.80E-02 | 2.55E-02 | 2.32E-02 | 2.19E-02 | 2.10E-02 | 2.04E-02 | 1.88E-02 | | |
| Thyroid | 0.0 | 8.79E-08 | 2.10E-04 | 8.66E-03 | 1.12E-02 | 1.08E-02 | 1.04E-02 | 9.91E-03 | 9.56E-03 | 9.36E-03 | 9.22E-03 | 8.89E-03 | | |
| GB_Wall1 | 4.56E-03 | 3.99E-01 | 1.10E+00 | 1.19E+00 | 5.61E-01 | 3.15E-01 | 3.15E-01 | 2.92E-01 | 2.79E-01 | 2.56E-01 | 2.35E-01 | 1.90E-01 | | |
| Ht_Wall1 | 5.56E-04 | 5.61E-02 | 1.97E-01 | 3.35E-01 | 1.96E-01 | 1.07E-01 | 1.04E-01 | 1.04E-01 | 1.00E-01 | 9.22E-02 | 8.61E-02 | 7.39E-02 | | |
| Uterus | 0.0 | 2.60E-04 | 1.45E-02 | 8.10E-02 | 8.94E-02 | 5.14E-02 | 4.02E-02 | 4.40E-02 | 3.77E-02 | 3.28E-02 | 3.06E-02 | 3.07E-02 | | |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 9.23E-07 | 9.75E-03 | 7.30E-02 | 2.11E-01 | 1.50E-01 | 9.01E-02 | 8.72E-02 | 8.54E-02 | 7.75E-02 | 7.36E-02 | 7.00E-02 | 5.62E-02 |
| UB_Wall1 | 0.0 | 4.05E-05 | 4.61E-03 | 2.94E-02 | 4.66E-02 | 2.84E-02 | 2.41E-02 | 2.95E-02 | 2.68E-02 | 2.27E-02 | 2.04E-02 | 1.82E-02 |
| Bone_Sur | 2.22E-04 | 1.98E-02 | 1.02E-01 | 2.58E-01 | 2.10E-01 | 7.03E-02 | 3.69E-02 | 3.21E-02 | 3.16E-02 | 2.91E-02 | 2.68E-02 | 2.10E-02 |
| Brain | 0.0 | 0.0 | 4.90E-07 | 3.74E-04 | 1.08E-03 | 1.60E-03 | 1.84E-03 | 2.38E-03 | 2.85E-03 | 3.03E-03 | 3.04E-03 | 2.66E-03 |
| Breasts | 7.93E-09 | 2.16E-03 | 2.34E-02 | 8.18E-02 | 7.85E-02 | 4.41E-02 | 4.73E-02 | 4.98E-02 | 4.03E-02 | 3.50E-02 | 3.28E-02 | 3.31E-02 |
| St_Wall1 | 9.65E+01 | 5.16E+01 | 2.84E+01 | 1.06E+01 | 3.50E+00 | 1.96E+00 | 2.14E+00 | 2.33E+00 | 2.15E+00 | 1.98E+00 | 1.85E+00 | 1.52E+00 |
| SI_Wall1 | 1.38E-02 | 7.00E-02 | 1.95E-01 | 3.22E-01 | 1.96E-01 | 1.09E-01 | 1.03E-01 | 1.03E-01 | 9.90E-02 | 8.70E-02 | 7.83E-02 | 6.61E-02 |
| ULI_Wall1 | 5.85E-02 | 2.93E-01 | 5.13E-01 | 4.74E-01 | 2.47E-01 | 1.49E-01 | 1.27E-01 | 1.34E-01 | 1.36E-01 | 1.20E-01 | 1.07E-01 | 9.09E-02 |
| LLI_Wall1 | 2.53E-04 | 1.90E-02 | 9.61E-02 | 1.69E-01 | 1.11E-01 | 7.39E-02 | 7.04E-02 | 6.28E-02 | 6.83E-02 | 5.41E-02 | 5.04E-02 | 4.14E-02 |
| Kidneys | 8.79E-08 | 4.46E-03 | 4.90E-02 | 1.59E-01 | 1.26E-01 | 7.27E-02 | 6.89E-02 | 7.24E-02 | 6.38E-02 | 6.14E-02 | 5.89E-02 | 4.57E-02 |
| Liver | 9.79E-03 | 1.28E-01 | 3.03E-01 | 3.68E-01 | 2.02E-01 | 1.15E-01 | 1.14E-01 | 1.14E-01 | 1.09E-01 | 1.00E-01 | 9.14E-02 | 6.73E-02 |
| ET1-bas | 0.0 | 1.35E-07 | 2.41E-04 | 1.30E-02 | 1.53E-02 | 1.28E-02 | 1.30E-02 | 1.30E-02 | 1.18E-02 | 1.13E-02 | 1.08E-02 | 8.94E-03 |
| ET2-bas | 0.0 | 1.35E-07 | 2.41E-04 | 1.30E-02 | 1.53E-02 | 1.28E-02 | 1.30E-02 | 1.30E-02 | 1.18E-02 | 1.13E-02 | 1.08E-02 | 8.94E-03 |
| LN-ET | 0.0 | 1.35E-07 | 2.41E-04 | 1.30E-02 | 1.53E-02 | 1.28E-02 | 1.30E-02 | 1.30E-02 | 1.18E-02 | 1.13E-02 | 1.08E-02 | 8.94E-03 |
| BBi-bas | 2.05E-03 | 3.98E-02 | 1.15E-01 | 1.64E-01 | 1.00E-01 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| BBi-sec | 2.05E-03 | 3.98E-02 | 1.15E-01 | 1.64E-01 | 1.00E-01 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| bbe-sec | 2.05E-03 | 3.98E-02 | 1.15E-01 | 1.64E-01 | 1.00E-01 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| AI | 2.05E-03 | 3.98E-02 | 1.15E-01 | 1.64E-01 | 1.00E-01 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| LN-Th | 2.05E-03 | 3.98E-02 | 1.15E-01 | 1.64E-01 | 1.00E-01 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| Lng_Tiss | 2.05E-03 | 3.98E-02 | 1.15E-01 | 1.64E-01 | 1.00E-01 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| Lung_NP | 0.0 | 1.35E-07 | 2.41E-04 | 1.30E-02 | 1.53E-02 | 1.28E-02 | 1.30E-02 | 1.30E-02 | 1.18E-02 | 1.13E-02 | 1.08E-02 | 8.94E-03 |
| Lung_TB | 2.05E-03 | 3.98E-02 | 1.15E-01 | 1.64E-01 | 1.00E-01 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| Lung_P | 2.05E-03 | 3.98E-02 | 1.15E-01 | 1.64E-01 | 1.00E-01 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| Muscle | 9.48E-02 | 1.68E-01 | 1.55E-01 | 1.64E-01 | 1.00E-01 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| Ovaries | 4.32E-10 | 6.87E-04 | 2.06E-02 | 7.47E-02 | 8.36E-02 | 5.05E-02 | 5.02E-02 | 5.29E-02 | 4.18E-02 | 3.75E-02 | 3.51E-02 | 2.89E-02 |
| Pancreas | 1.40E-01 | 1.15E+00 | 2.17E+00 | 1.65E+00 | 7.20E-01 | 3.93E-01 | 3.65E-01 | 3.89E-01 | 3.59E-01 | 3.27E-01 | 3.05E-01 | 2.65E-01 |
| R_Marrow | 5.97E-05 | 2.64E-03 | 1.31E-02 | 3.32E-02 | 3.14E-02 | 2.24E-02 | 2.12E-02 | 2.25E-02 | 2.25E-02 | 2.03E-02 | 1.84E-02 | 1.51E-02 |
| Skin | 1.53E-04 | 8.02E-03 | 2.77E-02 | 4.56E-02 | 3.17E-02 | 2.19E-02 | 2.31E-02 | 2.49E-02 | 2.46E-02 | 2.17E-02 | 3.32E-02 | 1.48E-02 |
| Spleen | 6.00E-04 | 1.26E-01 | 4.92E-01 | 6.92E-01 | 3.30E-01 | 1.94E-01 | 1.86E-01 | 1.88E-01 | 1.73E-01 | 1.62E-01 | 1.51E-01 | 1.15E-01 |
| Testes | 0.0 | 1.69E-07 | 2.84E-04 | 9.99E-03 | 1.48E-02 | 1.47E-02 | 1.30E-02 | 1.23E-02 | 1.19E-02 | 1.13E-02 | 9.36E-03 | |
| Thymus | 0.0 | 3.81E-05 | 4.16E-03 | 2.13E-02 | 3.64E-02 | 2.48E-02 | 2.40E-02 | 2.98E-02 | 2.61E-02 | 2.35E-02 | 2.17E-02 | 1.73E-02 |
| Thyroid | 0.0 | 1.35E-07 | 2.41E-04 | 1.30E-02 | 1.53E-02 | 1.28E-02 | 1.30E-02 | 1.30E-02 | 1.18E-02 | 1.13E-02 | 1.08E-02 | 8.94E-03 |
| GB_Wall1 | 2.19E-02 | 4.68E-01 | 1.30E+00 | 1.24E+00 | 5.44E-01 | 3.08E-01 | 2.92E-01 | 2.89E-01 | 2.77E-01 | 2.58E-01 | 1.83E-01 | |
| Ht_Wall1 | 2.37E-03 | 9.18E-02 | 2.71E-01 | 3.54E-01 | 2.06E-01 | 1.09E-01 | 1.20E-01 | 1.13E-01 | 9.71E-02 | 8.70E-02 | 7.72E-02 | |
| Uterus | 0.0 | 4.10E-04 | 1.50E-02 | 6.84E-02 | 8.93E-02 | 5.37E-02 | 4.52E-02 | 4.30E-02 | 4.80E-02 | 4.57E-02 | 4.19E-02 | 3.14E-02 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| Source = SI_Cont | 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) | | | | | | | | | | | | |
| <hr/> | | | | | | | | | | | | | | |
| Adrenals | 7.86E-10 | 7.90E-04 | 1.70E-02 | 8.61E-02 | 5.50E-02 | 5.14E-02 | 4.98E-02 | 4.94E-02 | 4.42E-02 | 3.96E-02 | 3.11E-02 | 3.11E-02 | | |
| UB_Wall1 | 2.34E-05 | 2.83E-02 | 1.64E-01 | 3.28E-01 | 2.13E-01 | 1.17E-01 | 1.15E-01 | 1.10E-01 | 1.01E-01 | 9.48E-02 | 8.82E-02 | 6.38E-02 | | |
| Bone_Sur | 2.74E-02 | 8.57E-02 | 2.02E-01 | 3.76E-01 | 2.72E-01 | 8.74E-02 | 4.75E-02 | 4.06E-02 | 3.63E-02 | 3.49E-02 | 3.34E-02 | 2.62E-02 | | |
| Brain | 0.0 | 0.0 | 1.81E-08 | 5.77E-05 | 3.61E-04 | 4.94E-04 | 6.99E-04 | 1.07E-03 | 1.34E-03 | 1.47E-03 | 1.55E-03 | 1.71E-03 | | |
| Breasts | 0.0 | 5.59E-07 | 5.46E-04 | 1.04E-02 | 1.46E-02 | 1.41E-02 | 1.28E-02 | 1.34E-02 | 1.32E-02 | 1.27E-02 | 1.24E-02 | 1.22E-02 | | |
| St_Wall1 | 1.38E-02 | 7.00E-02 | 1.95E-01 | 3.22E-01 | 1.96E-01 | 1.09E-01 | 1.03E-01 | 1.03E-01 | 9.90E-02 | 8.70E-02 | 7.83E-02 | 6.61E-02 | | |
| SI_Wall1 | 3.15E+00 | 4.69E+00 | 4.10E+00 | 2.23E+00 | 8.33E-01 | 4.44E-01 | 4.68E-01 | 5.24E-01 | 4.66E-01 | 4.26E-01 | 3.99E-01 | 2.98E-01 | | |
| ULI_Wall1 | 2.67E+00 | 3.82E+00 | 3.68E+00 | 2.19E+00 | 8.72E-01 | 4.79E-01 | 4.88E-01 | 5.03E-01 | 4.59E-01 | 4.20E-01 | 3.88E-01 | 3.09E-01 | | |
| LLI_Wall1 | 9.77E-01 | 1.42E+00 | 1.42E+00 | 9.39E-01 | 4.22E-01 | 2.36E-01 | 2.43E-01 | 2.47E-01 | 2.01E-01 | 1.84E-01 | 1.51E-01 | | | |
| Kidneys | 1.66E-05 | 1.59E-02 | 9.81E-02 | 2.24E-01 | 1.60E-01 | 9.55E-02 | 9.23E-02 | 8.90E-02 | 8.35E-02 | 7.86E-02 | 7.37E-02 | 5.82E-02 | | |
| Liver | 1.38E-02 | 5.15E-02 | 1.28E-01 | 2.22E-01 | 8.51E-02 | 7.93E-02 | 8.04E-02 | 7.96E-02 | 7.21E-02 | 6.54E-02 | 5.17E-02 | | | |
| ET1-bas | 0.0 | 0.0 | 6.11E-06 | 1.73E-03 | 3.20E-03 | 4.28E-03 | 4.36E-03 | 5.09E-03 | 5.14E-03 | 4.91E-03 | 4.75E-03 | 4.49E-03 | | |
| ET2-bas | 0.0 | 0.0 | 6.11E-06 | 1.73E-03 | 3.20E-03 | 4.28E-03 | 4.36E-03 | 5.09E-03 | 5.14E-03 | 4.91E-03 | 4.75E-03 | 4.49E-03 | | |
| LN-ET | 0.0 | 0.0 | 6.11E-06 | 1.73E-03 | 3.20E-03 | 4.28E-03 | 4.36E-03 | 5.09E-03 | 5.14E-03 | 4.91E-03 | 4.75E-03 | 4.49E-03 | | |
| BBi-bas | 0.0 | 2.73E-05 | 2.64E-03 | 2.56E-02 | 3.19E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 | | |
| BBi-sec | 0.0 | 2.73E-05 | 2.64E-03 | 2.56E-02 | 3.19E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 | | |
| bbe-sec | 0.0 | 2.73E-05 | 2.64E-03 | 2.56E-02 | 3.19E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 | | |
| AI | 0.0 | 2.73E-05 | 2.64E-03 | 2.56E-02 | 3.19E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 | | |
| LN-Th | 0.0 | 2.73E-05 | 2.64E-03 | 2.56E-02 | 3.19E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 | | |
| Lng_Tiss | 0.0 | 2.73E-05 | 2.64E-03 | 2.56E-02 | 3.19E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 | | |
| Lung_NP | 0.0 | 0.0 | 6.11E-06 | 1.73E-03 | 3.20E-03 | 4.28E-03 | 4.36E-03 | 5.09E-03 | 5.14E-03 | 4.91E-03 | 4.75E-03 | 4.49E-03 | | |
| Lung_TB | 0.0 | 2.73E-05 | 2.64E-03 | 2.56E-02 | 3.19E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 | | |
| Lung_P | 0.0 | 2.73E-05 | 2.64E-03 | 2.56E-02 | 3.19E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 | | |
| Muscle | 3.26E-02 | 8.51E-02 | 1.37E-01 | 1.50E-01 | 8.90E-02 | 5.27E-02 | 5.23E-02 | 5.27E-02 | 4.96E-02 | 4.57E-02 | 4.25E-02 | 3.50E-02 | | |
| Ovaries | 2.80E-01 | 1.45E+00 | 2.09E+00 | 1.51E+00 | 6.71E-01 | 3.71E-01 | 3.69E-01 | 3.85E-01 | 3.42E-01 | 3.17E-01 | 2.98E-01 | 2.38E-01 | | |
| Pancreas | 5.59E-07 | 5.56E-03 | 8.44E-02 | 2.32E-01 | 1.62E-01 | 9.56E-02 | 8.71E-02 | 8.28E-02 | 7.94E-02 | 7.18E-02 | 6.53E-02 | 5.23E-02 | | |
| R_Marrow | 6.22E-03 | 1.66E-02 | 3.50E-02 | 5.80E-02 | 4.65E-02 | 3.07E-02 | 3.02E-02 | 3.14E-02 | 2.84E-02 | 2.64E-02 | 2.47E-02 | 2.02E-02 | | |
| Skin | 2.33E-06 | 1.78E-03 | 1.06E-02 | 2.88E-02 | 1.90E-02 | 1.90E-02 | 2.02E-02 | 2.31E-02 | 2.31E-02 | 1.96E-02 | 1.88E-02 | 1.58E-02 | | |
| Spleen | 4.86E-06 | 5.15E-03 | 5.31E-02 | 1.47E-01 | 1.13E-01 | 6.49E-02 | 6.69E-02 | 6.66E-02 | 6.19E-02 | 5.73E-02 | 5.33E-02 | 4.31E-02 | | |
| Testes | 0.0 | 7.49E-05 | 5.26E-03 | 4.72E-02 | 5.33E-02 | 3.60E-02 | 3.36E-02 | 3.11E-02 | 3.39E-02 | 3.64E-02 | 3.55E-02 | 2.26E-02 | | |
| Thymus | 0.0 | 1.87E-08 | 8.34E-05 | 3.57E-03 | 8.68E-03 | 9.21E-03 | 9.29E-03 | 9.94E-03 | 8.87E-03 | 8.61E-03 | 8.50E-03 | 7.89E-03 | | |
| Thyroid | 0.0 | 0.0 | 6.11E-06 | 1.73E-03 | 3.20E-03 | 4.28E-03 | 4.36E-03 | 5.09E-03 | 5.14E-03 | 4.91E-03 | 4.75E-03 | 4.49E-03 | | |
| GB_Wall1 | 9.95E-03 | 1.44E-01 | 4.86E-01 | 3.44E-01 | 1.87E-01 | 1.82E-01 | 1.79E-01 | 1.66E-01 | 1.48E-01 | 1.34E-01 | 1.09E-01 | | | |
| Ht_Wall1 | 0.0 | 1.75E-05 | 2.64E-03 | 2.58E-02 | 3.60E-02 | 2.51E-02 | 2.26E-02 | 2.47E-02 | 2.28E-02 | 2.14E-02 | 2.02E-02 | 1.63E-02 | | |
| Uterus | 2.77E-02 | 7.36E-01 | 1.60E+00 | 1.35E+00 | 6.22E-01 | 3.41E-01 | 3.32E-01 | 3.41E-01 | 2.88E-01 | 2.62E-01 | 2.23E-01 | | | |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 7.86E-10 | 7.90E-04 | 1.70E-02 | 8.61E-02 | 5.50E-02 | 5.14E-02 | 4.98E-02 | 4.94E-02 | 4.42E-02 | 3.96E-02 | 3.11E-02 | |
| UB_Wall1 | 2.34E-05 | 2.83E-02 | 1.64E-01 | 3.28E-01 | 2.13E-01 | 1.17E-01 | 1.15E-01 | 1.10E-01 | 1.01E-01 | 9.48E-02 | 8.82E-02 | 6.38E-02 |
| Bone_Sur | 2.74E-02 | 8.57E-02 | 2.02E-01 | 3.76E-01 | 2.72E-01 | 8.74E-02 | 4.75E-02 | 4.06E-02 | 3.63E-02 | 3.49E-02 | 3.34E-02 | 2.62E-02 |
| Brain | 0.0 | 0.0 | 1.81E-08 | 5.77E-05 | 3.61E-04 | 4.94E-04 | 6.99E-04 | 1.07E-03 | 1.34E-03 | 1.47E-03 | 1.55E-03 | 1.71E-03 |
| Breasts | 0.0 | 5.59E-07 | 5.46E-04 | 1.04E-02 | 1.46E-02 | 1.41E-02 | 1.28E-02 | 1.34E-02 | 1.32E-02 | 1.27E-02 | 1.24E-02 | 1.22E-02 |
| St_Wall1 | 1.38E-02 | 7.00E-02 | 1.95E-01 | 3.22E-01 | 1.96E-01 | 1.09E-01 | 1.03E-01 | 1.03E-01 | 9.90E-02 | 8.70E-02 | 7.83E-02 | 6.61E-02 |
| SI_Wall1 | 3.15E+00 | 4.69E+00 | 4.10E+00 | 2.23E+00 | 8.33E-01 | 4.44E-01 | 4.68E-01 | 5.24E-01 | 4.66E-01 | 4.26E-01 | 3.99E-01 | 2.98E-01 |
| ULI_Wall1 | 2.67E+00 | 3.82E+00 | 3.68E+00 | 2.19E+00 | 8.72E-01 | 4.79E-01 | 4.88E-01 | 5.03E-01 | 4.59E-01 | 4.20E-01 | 3.88E-01 | 3.09E-01 |
| LLI_Wall1 | 9.77E-01 | 1.42E+00 | 1.42E+00 | 9.39E-01 | 4.22E-01 | 2.36E-01 | 2.43E-01 | 2.47E-01 | 2.01E-01 | 1.84E-01 | 1.51E-01 | |
| Kidneys | 1.66E-05 | 1.59E-02 | 9.81E-02 | 2.24E-01 | 1.60E-01 | 9.55E-02 | 9.23E-02 | 8.90E-02 | 8.35E-02 | 7.86E-02 | 7.37E-02 | 5.82E-02 |
| Liver | 1.38E-02 | 5.15E-02 | 1.28E-01 | 2.22E-01 | 8.51E-02 | 7.93E-02 | 8.04E-02 | 7.96E-02 | 7.21E-02 | 6.54E-02 | 5.17E-02 | |
| ET1-bas | 0.0 | 0.0 | 6.11E-06 | 1.73E-03 | 3.20E-03 | 4.28E-03 | 4.36E-03 | 5.09E-03 | 5.14E-03 | 4.91E-03 | 4.75E-03 | 4.49E-03 |
| ET2-bas | 0.0 | 0.0 | 6.11E-06 | 1.73E-03 | 3.20E-03 | 4.28E-03 | 4.36E-03 | 5.09E-03 | 5.14E-03 | 4.91E-03 | 4.75E-03 | 4.49E-03 |
| LN-ET | 0.0 | 0.0 | 6.11E-06 | 1.73E-03 | 3.20E-03 | 4.28E-03 | 4.36E-03 | 5.09E-03 | 5.14E-03 | 4.91E-03 | 4.75E-03 | 4.49E-03 |
| BBi-bas | 0.0 | 2.73E-05 | 2.64E-03 | 2.56E-02 | 3.19E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| BBi-sec | 0.0 | 2.73E-05 | 2.64E-03 | 2.56E-02 | 3.19E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| bbe-sec | 0.0 | 2.73E-05 | 2.64E-03 | 2.56E-02 | 3.19E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| AI | 0.0 | 2.73E-05 | 2.64E-03 | 2.56E-02 | 3.19E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| LN-Th | 0.0 | 2.73E-05 | 2.64E-03 | 2.56E-02 | 3.19E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| Lng_Tiss | 0.0 | 2.73E-05 | 2.64E-03 | 2.56E-02 | 3.19E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| Lung_NP | 0.0 | 0.0 | 6.11E-06 | 1.73E-03 | 3.20E-03 | 4.28E-03 | 4.36E-03 | 5.09E-03 | 5.14E-03 | 4.91E-03 | 4.75E-03 | 4.49E-03 |
| Lung_TB | 0.0 | 2.73E-05 | 2.64E-03 | 2.56E-02 | 3.19E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| Lung_P | 0.0 | 2.73E-05 | 2.64E-03 | 2.56E-02 | 3.19E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| Muscle | 3.26E-02 | 8.51E-02 | 1.37E-01 | 1.50E-01 | 8.90E-02 | 5.27E-02 | 5.23E-02 | 5.27E-02 | 4.96E-02 | 4.57E-02 | 4.25E-02 | 3.50E-02 |
| Ovaries | 2.80E-01 | 1.45E+00 | 2.09E+00 | 1.51E+00 | 6.71E-01 | 3.71E-01 | 3.69E-01 | 3.85E-01 | 3.42E-01 | 3.17E-01 | 2.98E-01 | 2.38E-01 |
| Pancreas | 5.59E-07 | 5.56E-03 | 8.44E-02 | 2.32E-01 | 1.62E-01 | 9.56E-02 | 8.71E-02 | 8.28E-02 | 7.94E-02 | 7.18E-02 | 6.53E-02 | 5.23E-02 |
| R_Marrow | 6.22E-03 | 1.66E-02 | 3.50E-02 | 5.80E-02 | 4.65E-02 | 3.07E-02 | 3.02E-02 | 3.14E-02 | 2.84E-02 | 2.64E-02 | 2.47E-02 | 2.02E-02 |
| Skin | 2.33E-06 | 1.78E-03 | 1.06E-02 | 3.32E-02 | 2.88E-02 | 1.90E-02 | 2.02E-02 | 2.31E-02 | 2.31E-02 | 1.96E-02 | 1.88E-02 | 1.58E-02 |
| Spleen | 4.86E-06 | 5.15E-03 | 5.31E-02 | 1.47E-01 | 1.13E-01 | 6.49E-02 | 6.69E-02 | 6.66E-02 | 6.66E-02 | 6.19E-02 | 5.73E-02 | 5.33E-02 |
| Testes | 0.0 | 7.49E-05 | 5.26E-03 | 4.72E-02 | 5.33E-02 | 3.60E-02 | 3.36E-02 | 3.11E-02 | 3.39E-02 | 3.64E-02 | 3.55E-02 | 2.26E-02 |
| Thymus | 0.0 | 1.87E-08 | 8.34E-05 | 3.57E-03 | 8.68E-03 | 9.21E-03 | 9.29E-03 | 9.94E-03 | 8.87E-03 | 8.61E-03 | 8.50E-03 | 7.89E-03 |
| Thyroid | 0.0 | 0.0 | 6.11E-06 | 1.73E-03 | 3.20E-03 | 4.28E-03 | 4.36E-03 | 5.09E-03 | 5.14E-03 | 4.91E-03 | 4.75E-03 | 4.49E-03 |
| GB_Wall1 | 9.95E-03 | 1.44E-01 | 4.86E-01 | 6.48E-01 | 3.44E-01 | 1.87E-01 | 1.82E-01 | 1.79E-01 | 1.66E-01 | 1.48E-01 | 1.34E-01 | 1.09E-01 |
| Ht_Wall1 | 0.0 | 1.75E-05 | 2.64E-03 | 2.58E-02 | 3.60E-02 | 2.51E-02 | 2.26E-02 | 2.47E-02 | 2.28E-02 | 2.14E-02 | 2.02E-02 | 1.63E-02 |
| Uterus | 2.77E-02 | 7.36E-01 | 1.60E+00 | 1.35E+00 | 6.22E-01 | 3.41E-01 | 3.32E-01 | 3.41E-01 | 2.88E-01 | 2.62E-01 | 2.23E-01 | |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

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 | 1.02E-10 | 6.05E-04 | 2.84E-02 | 8.12E-02 | 8.76E-02 | 5.40E-02 | 5.17E-02 | 5.46E-02 | 5.39E-02 | 5.18E-02 | 4.83E-02 | 3.42E-02 |
| UB_Wall1 | 1.10E-05 | 2.30E-02 | 1.04E-01 | 2.43E-01 | 1.69E-01 | 1.02E-01 | 9.32E-02 | 9.25E-02 | 9.38E-02 | 8.85E-02 | 8.16E-02 | 6.10E-02 |
| Bone_Sur | 4.88E-03 | 6.38E-02 | 1.75E-01 | 3.14E-01 | 2.32E-01 | 7.73E-02 | 4.09E-02 | 3.49E-02 | 3.33E-02 | 3.06E-02 | 2.86E-02 | 2.53E-02 |
| Brain | 0.0 | 0.0 | 2.53E-08 | 6.81E-05 | 4.18E-04 | 7.63E-04 | 1.02E-03 | 1.40E-03 | 1.70E-03 | 1.89E-03 | 1.96E-03 | 1.78E-03 |
| Breasts | 0.0 | 1.51E-06 | 9.84E-04 | 1.29E-02 | 1.46E-02 | 1.56E-02 | 1.58E-02 | 1.59E-02 | 1.53E-02 | 1.46E-02 | 1.40E-02 | 1.26E-02 |
| St_Wall1 | 1.69E-02 | 2.64E-01 | 5.21E-01 | 5.03E-01 | 2.51E-01 | 1.41E-01 | 1.34E-01 | 1.50E-01 | 1.29E-01 | 1.10E-01 | 9.93E-02 | 8.97E-02 |
| SI_Wall1 | 6.80E-01 | 2.44E+00 | 3.03E+00 | 1.95E+00 | 7.96E-01 | 4.36E-01 | 4.44E-01 | 4.60E-01 | 4.23E-01 | 3.86E-01 | 3.56E-01 | 2.85E-01 |
| ULI_Wall1 | 1.43E+01 | 1.67E+01 | 1.24E+01 | 5.53E+00 | 1.85E+00 | 1.06E+00 | 1.13E+00 | 1.22E+00 | 1.12E+00 | 1.02E+00 | 9.42E-01 | 7.43E-01 |
| LLI_Wall1 | 6.06E-02 | 2.95E-01 | 4.34E-01 | 3.81E-01 | 2.08E-01 | 1.26E-01 | 1.21E-01 | 1.34E-01 | 1.18E-01 | 1.04E-01 | 9.66E-02 | 8.70E-02 |
| Kidneys | 8.15E-08 | 4.64E-03 | 4.52E-02 | 4.52E-02 | 1.71E-01 | 1.29E-01 | 8.12E-02 | 7.40E-02 | 6.68E-02 | 6.25E-02 | 5.97E-02 | 5.27E-02 |
| Liver | 1.51E-02 | 1.48E-01 | 3.44E-01 | 4.02E-01 | 2.24E-01 | 1.28E-01 | 1.21E-01 | 1.24E-01 | 1.14E-01 | 1.07E-01 | 1.00E-01 | 7.65E-02 |
| ET1-bas | 0.0 | 2.00E-10 | 9.73E-06 | 1.62E-03 | 4.64E-03 | 8.13E-03 | 8.50E-03 | 7.16E-03 | 6.21E-03 | 5.93E-03 | 5.80E-03 | 4.83E-03 |
| ET2-bas | 0.0 | 2.00E-10 | 9.73E-06 | 1.62E-03 | 4.64E-03 | 8.13E-03 | 8.50E-03 | 7.16E-03 | 6.21E-03 | 5.93E-03 | 5.80E-03 | 4.83E-03 |
| LN-ET | 0.0 | 2.00E-10 | 9.73E-06 | 1.62E-03 | 4.64E-03 | 8.13E-03 | 8.50E-03 | 7.16E-03 | 6.21E-03 | 5.93E-03 | 5.80E-03 | 4.83E-03 |
| BBi-bas | 0.0 | 4.70E-05 | 4.09E-03 | 3.08E-02 | 3.60E-02 | 2.33E-02 | 2.10E-02 | 2.39E-02 | 2.21E-02 | 1.95E-02 | 1.78E-02 | 1.56E-02 |
| BBi-sec | 0.0 | 4.70E-05 | 4.09E-03 | 3.08E-02 | 3.60E-02 | 2.33E-02 | 2.10E-02 | 2.39E-02 | 2.21E-02 | 1.95E-02 | 1.78E-02 | 1.56E-02 |
| bbe-sec | 0.0 | 4.70E-05 | 4.09E-03 | 3.08E-02 | 3.60E-02 | 2.33E-02 | 2.10E-02 | 2.39E-02 | 2.21E-02 | 1.95E-02 | 1.78E-02 | 1.56E-02 |
| AI | 0.0 | 4.70E-05 | 4.09E-03 | 3.08E-02 | 3.60E-02 | 2.33E-02 | 2.10E-02 | 2.39E-02 | 2.21E-02 | 1.95E-02 | 1.78E-02 | 1.56E-02 |
| LN-Th | 0.0 | 4.70E-05 | 4.09E-03 | 3.08E-02 | 3.60E-02 | 2.33E-02 | 2.10E-02 | 2.39E-02 | 2.21E-02 | 1.95E-02 | 1.78E-02 | 1.56E-02 |
| Lng_Tiss | 0.0 | 4.70E-05 | 4.09E-03 | 3.08E-02 | 3.60E-02 | 2.33E-02 | 2.10E-02 | 2.39E-02 | 2.21E-02 | 1.95E-02 | 1.78E-02 | 1.56E-02 |
| Lung_NP | 0.0 | 2.00E-10 | 9.73E-06 | 1.62E-03 | 4.64E-03 | 8.13E-03 | 8.50E-03 | 7.16E-03 | 6.21E-03 | 5.93E-03 | 5.80E-03 | 4.83E-03 |
| Lung_TB | 0.0 | 4.70E-05 | 4.09E-03 | 3.08E-02 | 3.60E-02 | 2.33E-02 | 2.10E-02 | 2.39E-02 | 2.21E-02 | 1.95E-02 | 1.78E-02 | 1.56E-02 |
| Lung_P | 0.0 | 4.70E-05 | 4.09E-03 | 3.08E-02 | 3.60E-02 | 2.33E-02 | 2.10E-02 | 2.39E-02 | 2.21E-02 | 1.95E-02 | 1.78E-02 | 1.56E-02 |
| Muscle | 9.87E-03 | 6.19E-02 | 1.23E-01 | 1.39E-01 | 8.27E-02 | 4.89E-02 | 4.86E-02 | 4.99E-02 | 4.70E-02 | 4.37E-02 | 4.08E-02 | 3.31E-02 |
| Ovaries | 1.17E-01 | 1.03E+00 | 1.59E+00 | 1.12E+00 | 5.09E-01 | 2.66E-01 | 2.74E-01 | 2.83E-01 | 2.62E-01 | 2.51E-01 | 2.37E-01 | 1.83E-01 |
| Pancreas | 4.62E-07 | 1.11E-02 | 9.31E-02 | 2.53E-01 | 1.78E-01 | 9.06E-02 | 9.66E-02 | 9.31E-02 | 9.34E-02 | 7.74E-02 | 6.70E-02 | 6.14E-02 |
| R_Marrow | 1.11E-03 | 1.31E-02 | 3.20E-02 | 4.98E-02 | 3.99E-02 | 2.69E-02 | 2.63E-02 | 2.74E-02 | 2.58E-02 | 2.36E-02 | 2.21E-02 | 1.93E-02 |
| Skin | 8.01E-07 | 1.74E-03 | 1.54E-02 | 3.76E-02 | 3.05E-02 | 1.97E-02 | 2.08E-02 | 2.20E-02 | 2.03E-02 | 2.00E-02 | 1.98E-02 | 1.74E-02 |
| Spleen | 3.02E-07 | 4.45E-03 | 5.08E-02 | 1.24E-01 | 9.90E-02 | 5.88E-02 | 5.59E-02 | 5.33E-02 | 5.07E-02 | 4.79E-02 | 4.32E-02 | 3.82E-02 |
| Testes | 0.0 | 7.33E-05 | 6.86E-03 | 3.71E-02 | 5.27E-02 | 3.06E-02 | 3.17E-02 | 3.62E-02 | 3.20E-02 | 3.13E-02 | 3.04E-02 | 2.32E-02 |
| Thymus | 0.0 | 5.15E-08 | 1.45E-04 | 7.20E-03 | 9.66E-03 | 9.36E-03 | 8.80E-03 | 1.01E-02 | 1.10E-02 | 1.07E-02 | 8.74E-03 | 8.74E-03 |
| Thyroid | 0.0 | 2.00E-10 | 9.73E-06 | 1.62E-03 | 4.64E-03 | 8.13E-03 | 8.50E-03 | 7.16E-03 | 6.21E-03 | 5.93E-03 | 5.80E-03 | 4.83E-03 |
| GB_Wall1 | 7.47E-02 | 7.31E-01 | 1.31E+00 | 1.10E+00 | 5.10E-01 | 2.80E-01 | 2.82E-01 | 2.76E-01 | 2.39E-01 | 2.19E-01 | 1.54E-01 | 1.54E-01 |
| Ht_Wall1 | 0.0 | 4.36E-05 | 4.24E-03 | 3.36E-02 | 4.37E-02 | 2.92E-02 | 2.84E-02 | 2.27E-02 | 2.37E-02 | 2.40E-02 | 1.96E-02 | 1.96E-02 |
| Uterus | 1.09E-04 | 7.92E-02 | 3.92E-01 | 6.56E-01 | 3.55E-01 | 1.98E-01 | 1.97E-01 | 1.87E-01 | 1.80E-01 | 1.45E-01 | 1.30E-01 | 1.30E-01 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 2.15E-10 | 6.88E-04 | 1.67E-02 | 7.65E-02 | 9.91E-02 | 5.40E-02 | 4.70E-02 | 4.31E-02 | 4.46E-02 | 4.37E-02 | 4.17E-02 | 3.42E-02 |
| UB_Wall1 | 2.96E-05 | 2.45E-02 | 1.01E-01 | 2.43E-01 | 1.83E-01 | 1.05E-01 | 8.94E-02 | 9.61E-02 | 8.08E-02 | 7.32E-02 | 6.92E-02 | 6.10E-02 |
| Bone_Sur | 4.88E-03 | 6.38E-02 | 1.75E-01 | 3.14E-01 | 2.32E-01 | 7.73E-02 | 4.09E-02 | 3.49E-02 | 3.33E-02 | 3.06E-02 | 2.86E-02 | 2.53E-02 |
| Brain | 0.0 | 0.0 | 2.57E-08 | 6.83E-05 | 3.54E-04 | 8.20E-04 | 9.47E-04 | 1.45E-03 | 1.68E-03 | 1.67E-03 | 1.66E-03 | 1.78E-03 |
| Breasts | 0.0 | 1.62E-06 | 9.97E-04 | 9.28E-03 | 2.00E-02 | 1.45E-02 | 1.32E-02 | 1.64E-02 | 1.77E-02 | 1.61E-02 | 1.50E-02 | 1.26E-02 |
| St_Wall1 | 5.85E-02 | 2.93E-01 | 5.13E-01 | 4.74E-01 | 2.47E-01 | 1.49E-01 | 1.27E-01 | 1.34E-01 | 1.36E-01 | 1.20E-01 | 1.07E-01 | 9.09E-02 |
| SI_Wall1 | 2.67E+00 | 3.82E+00 | 3.68E+00 | 2.19E+00 | 8.72E-01 | 4.79E-01 | 4.88E-01 | 5.03E-01 | 4.59E-01 | 4.20E-01 | 3.88E-01 | 3.09E-01 |
| ULI_Wall1 | 5.81E+01 | 3.17E+01 | 1.80E+01 | 7.03E+00 | 2.36E+00 | 1.33E+00 | 1.42E+00 | 1.56E+00 | 1.47E+00 | 1.34E+00 | 1.24E+00 | 1.02E+00 |
| LLI_Wall1 | 1.88E-01 | 3.89E-01 | 4.82E-01 | 4.06E-01 | 2.18E-01 | 1.25E-01 | 1.13E-01 | 1.17E-01 | 1.15E-01 | 1.07E-01 | 9.95E-02 | 8.12E-02 |
| Kidneys | 2.24E-07 | 2.29E-03 | 5.94E-02 | 1.80E-01 | 1.31E-01 | 7.49E-02 | 7.13E-02 | 6.55E-02 | 6.43E-02 | 6.25E-02 | 6.05E-02 | 5.51E-02 |
| Liver | 5.11E-02 | 1.77E-01 | 3.33E-01 | 3.95E-01 | 2.18E-01 | 1.23E-01 | 1.26E-01 | 1.16E-01 | 1.09E-01 | 1.03E-01 | 8.28E-02 | 8.28E-02 |
| ET1-bas | 0.0 | 2.17E-10 | 9.91E-06 | 1.63E-03 | 4.14E-03 | 6.31E-03 | 6.19E-03 | 6.10E-03 | 6.05E-03 | 5.92E-03 | 5.80E-03 | 4.83E-03 |
| ET2-bas | 0.0 | 2.17E-10 | 9.91E-06 | 1.63E-03 | 4.14E-03 | 6.31E-03 | 6.19E-03 | 6.10E-03 | 6.05E-03 | 5.92E-03 | 5.80E-03 | 4.83E-03 |
| LN-ET | 0.0 | 2.17E-10 | 9.91E-06 | 1.63E-03 | 4.14E-03 | 6.31E-03 | 6.19E-03 | 6.10E-03 | 6.05E-03 | 5.92E-03 | 5.80E-03 | 4.83E-03 |
| BBi-bas | 0.0 | 5.05E-05 | 6.38E-03 | 3.09E-02 | 3.30E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| BBi-sec | 0.0 | 5.05E-05 | 6.38E-03 | 3.09E-02 | 3.30E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| bbe-sec | 0.0 | 5.05E-05 | 6.38E-03 | 3.09E-02 | 3.30E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| AI | 0.0 | 5.05E-05 | 6.38E-03 | 3.09E-02 | 3.30E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| LN-Th | 0.0 | 5.05E-05 | 6.38E-03 | 3.09E-02 | 3.30E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| Lng_Tiss | 0.0 | 5.05E-05 | 6.38E-03 | 3.09E-02 | 3.30E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| Lung_NP | 0.0 | 2.17E-10 | 9.91E-06 | 1.63E-03 | 4.14E-03 | 6.31E-03 | 6.19E-03 | 6.10E-03 | 6.05E-03 | 5.92E-03 | 5.80E-03 | 4.83E-03 |
| Lung_TB | 0.0 | 5.05E-05 | 6.38E-03 | 3.09E-02 | 3.30E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| Lung_P | 0.0 | 5.05E-05 | 6.38E-03 | 3.09E-02 | 3.30E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| Muscle | 3.13E-02 | 8.62E-02 | 1.36E-01 | 1.44E-01 | 8.36E-02 | 5.01E-02 | 4.98E-02 | 5.12E-02 | 4.84E-02 | 4.46E-02 | 4.13E-02 | 3.30E-02 |
| Ovaries | 8.45E-01 | 1.93E+00 | 2.06E+00 | 1.29E+00 | 5.47E-01 | 3.19E-01 | 3.19E-01 | 3.38E-01 | 3.09E-01 | 2.77E-01 | 2.52E-01 | 1.97E-01 |
| Pancreas | 9.22E-07 | 1.01E-02 | 1.08E-01 | 2.59E-01 | 1.78E-01 | 1.03E-01 | 1.02E-01 | 8.82E-02 | 7.77E-02 | 7.89E-02 | 7.83E-02 | 6.09E-02 |
| R_Marrow | 1.11E-03 | 1.31E-02 | 3.20E-02 | 4.98E-02 | 3.99E-02 | 2.69E-02 | 2.63E-02 | 2.74E-02 | 2.58E-02 | 2.36E-02 | 2.21E-02 | 1.93E-02 |
| Skin | 3.16E-06 | 1.83E-03 | 1.38E-02 | 3.61E-02 | 2.88E-02 | 1.90E-02 | 1.99E-02 | 2.27E-02 | 1.99E-02 | 1.95E-02 | 1.46E-02 | |
| Spleen | 7.18E-07 | 5.04E-03 | 5.30E-02 | 1.33E-01 | 1.02E-01 | 6.21E-02 | 5.70E-02 | 5.53E-02 | 5.60E-02 | 5.31E-02 | 4.94E-02 | 3.82E-02 |
| Testes | 0.0 | 7.72E-05 | 7.00E-03 | 3.34E-02 | 5.07E-02 | 3.67E-02 | 2.98E-02 | 2.80E-02 | 2.55E-02 | 2.37E-02 | 2.11E-02 | |
| Thymus | 0.0 | 5.49E-08 | 1.47E-04 | 4.26E-03 | 9.44E-03 | 1.14E-02 | 9.28E-03 | 9.24E-03 | 1.02E-02 | 1.01E-02 | 9.62E-03 | 7.93E-03 |
| Thyroid | 0.0 | 2.17E-10 | 9.91E-06 | 1.63E-03 | 4.14E-03 | 6.31E-03 | 6.19E-03 | 6.10E-03 | 6.05E-03 | 5.92E-03 | 5.80E-03 | 4.83E-03 |
| GB_Wall1 | 1.92E-01 | 8.24E-01 | 1.34E+00 | 1.11E+00 | 5.28E-01 | 2.74E-01 | 2.67E-01 | 3.07E-01 | 2.75E-01 | 2.44E-01 | 2.21E-01 | 1.71E-01 |
| Ht_Wall1 | 0.0 | 4.61E-05 | 5.61E-05 | 3.28E-03 | 3.14E-02 | 4.17E-02 | 2.57E-02 | 2.51E-02 | 2.77E-02 | 2.77E-02 | 2.58E-02 | 2.39E-02 |
| Uterus | 4.61E-04 | 9.32E-02 | 4.29E-01 | 6.98E-01 | 3.65E-01 | 1.98E-01 | 1.86E-01 | 1.81E-01 | 1.76E-01 | 1.47E-01 | 1.47E-01 | 1.09E-01 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

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 | 3.57E-05 | 4.08E-03 | 2.49E-02 | 3.29E-02 | 2.97E-02 | 2.44E-02 | 2.18E-02 | 2.10E-02 | 2.05E-02 | 1.98E-02 | 1.69E-02 |
| UB_Wall | 2.92E-03 | 1.92E-01 | 5.48E-01 | 6.90E-01 | 3.54E-01 | 1.76E-01 | 1.85E-01 | 2.08E-01 | 1.76E-01 | 1.59E-01 | 1.48E-01 | 1.22E-01 |
| Bone_Sur | 2.21E-02 | 2.46E-01 | 4.88E-01 | 5.57E-01 | 3.19E-01 | 9.75E-02 | 5.38E-02 | 4.71E-02 | 4.37E-02 | 4.21E-02 | 4.05E-02 | 3.38E-02 |
| Brain | 0.0 | 0.0 | 4.95E-09 | 2.62E-05 | 3.52E-04 | 4.35E-04 | 5.38E-04 | 7.12E-04 | 8.80E-04 | 9.96E-04 | 1.09E-03 | 1.34E-03 |
| Breasts | 0.0 | 1.27E-07 | 1.80E-04 | 6.06E-03 | 6.96E-03 | 8.29E-03 | 9.51E-03 | 1.03E-02 | 9.93E-03 | 9.51E-03 | 9.19E-03 | 7.57E-03 |
| St_Wall | 3.15E-04 | 2.92E-02 | 1.11E-01 | 2.21E-01 | 1.45E-01 | 8.00E-02 | 7.43E-02 | 8.29E-02 | 7.47E-02 | 6.81E-02 | 6.31E-02 | 5.00E-02 |
| SI_Wall | 2.74E-01 | 1.19E+00 | 1.55E+00 | 1.09E+00 | 4.91E-01 | 2.64E-01 | 2.71E-01 | 2.79E-01 | 2.55E-01 | 2.38E-01 | 2.22E-01 | 1.73E-01 |
| ULI_Wall | 4.16E-01 | 6.27E-01 | 6.74E-01 | 5.15E-01 | 2.70E-01 | 1.51E-01 | 1.42E-01 | 1.50E-01 | 1.43E-01 | 1.29E-01 | 1.17E-01 | 8.86E-02 |
| LLI_Wall | 2.01E+01 | 2.26E+01 | 1.59E+01 | 6.66E+00 | 2.21E+00 | 1.26E+00 | 1.34E+00 | 1.45E+00 | 1.39E+00 | 1.28E+00 | 1.18E+00 | 9.13E-01 |
| Kidneys | 1.13E-09 | 6.49E-04 | 1.50E-02 | 6.56E-02 | 6.45E-02 | 4.00E-02 | 4.18E-02 | 4.04E-02 | 3.72E-02 | 3.44E-02 | 3.24E-02 | 2.87E-02 |
| Liver | 0.0 | 1.39E-04 | 5.61E-03 | 3.82E-02 | 4.31E-02 | 2.94E-02 | 2.61E-02 | 2.92E-02 | 2.54E-02 | 2.41E-02 | 2.34E-02 | 2.03E-02 |
| ET1-bas | 0.0 | 1.69E-06 | 5.70E-04 | 3.07E-03 | 3.70E-03 | 4.10E-03 | 4.25E-03 | 4.13E-03 | 3.99E-03 | 3.90E-03 | 3.29E-03 | 3.29E-03 |
| ET2-bas | 0.0 | 1.69E-06 | 5.70E-04 | 3.07E-03 | 3.70E-03 | 4.10E-03 | 4.25E-03 | 4.13E-03 | 3.99E-03 | 3.90E-03 | 3.29E-03 | 3.29E-03 |
| LN-ET | 0.0 | 0.0 | 1.69E-06 | 5.70E-04 | 3.07E-03 | 3.70E-03 | 4.10E-03 | 4.25E-03 | 4.13E-03 | 3.99E-03 | 3.90E-03 | 3.29E-03 |
| BBi-bas | 0.0 | 2.78E-06 | 6.39E-04 | 9.47E-03 | 1.30E-02 | 1.20E-02 | 1.04E-02 | 1.07E-02 | 1.12E-02 | 1.11E-02 | 1.08E-02 | 9.02E-03 |
| BBi-sec | 0.0 | 2.78E-06 | 6.39E-04 | 9.47E-03 | 1.30E-02 | 1.20E-02 | 1.04E-02 | 1.07E-02 | 1.12E-02 | 1.11E-02 | 1.08E-02 | 9.02E-03 |
| bbe-sec | 0.0 | 2.78E-06 | 6.39E-04 | 9.47E-03 | 1.30E-02 | 1.20E-02 | 1.04E-02 | 1.07E-02 | 1.12E-02 | 1.11E-02 | 1.08E-02 | 9.02E-03 |
| AI | 0.0 | 2.78E-06 | 6.39E-04 | 9.47E-03 | 1.30E-02 | 1.20E-02 | 1.04E-02 | 1.07E-02 | 1.12E-02 | 1.11E-02 | 1.08E-02 | 9.02E-03 |
| LN-Th | 0.0 | 2.78E-06 | 6.39E-04 | 9.47E-03 | 1.30E-02 | 1.20E-02 | 1.04E-02 | 1.07E-02 | 1.12E-02 | 1.11E-02 | 1.08E-02 | 9.02E-03 |
| Lng_Tiss | 0.0 | 2.78E-06 | 6.39E-04 | 9.47E-03 | 1.30E-02 | 1.20E-02 | 1.04E-02 | 1.07E-02 | 1.12E-02 | 1.11E-02 | 1.08E-02 | 9.02E-03 |
| Lung_NP | 0.0 | 0.0 | 1.69E-06 | 5.70E-04 | 3.07E-03 | 3.70E-03 | 4.10E-03 | 4.25E-03 | 4.13E-03 | 3.99E-03 | 3.90E-03 | 3.29E-03 |
| Lung_TB | 0.0 | 2.78E-06 | 6.39E-04 | 9.47E-03 | 1.30E-02 | 1.20E-02 | 1.04E-02 | 1.07E-02 | 1.12E-02 | 1.11E-02 | 1.08E-02 | 9.02E-03 |
| Lung_P | 0.0 | 2.78E-06 | 6.39E-04 | 9.47E-03 | 1.30E-02 | 1.20E-02 | 1.04E-02 | 1.07E-02 | 1.12E-02 | 1.11E-02 | 1.08E-02 | 9.02E-03 |
| Muscle | 1.47E-02 | 8.81E-02 | 1.58E-01 | 1.65E-01 | 9.22E-02 | 5.51E-02 | 5.67E-02 | 5.30E-02 | 4.94E-02 | 4.62E-02 | 3.73E-02 | |
| Ovaries | 6.27E-01 | 3.55E+00 | 4.19E+00 | 2.44E+00 | 8.82E-01 | 5.05E-01 | 5.47E-01 | 5.20E-01 | 5.00E-01 | 4.42E-01 | 3.95E-01 | 3.12E-01 |
| Pancreas | 2.28E-10 | 7.14E-04 | 1.85E-02 | 7.88E-02 | 8.24E-02 | 4.63E-02 | 4.30E-02 | 4.63E-02 | 3.54E-02 | 3.17E-02 | 3.03E-02 | 2.75E-02 |
| R_Marrow | 5.03E-03 | 5.02E-02 | 8.98E-02 | 8.97E-02 | 5.66E-02 | 3.70E-02 | 3.65E-02 | 3.67E-02 | 3.46E-02 | 3.31E-02 | 3.16E-02 | 2.70E-02 |
| Skin | 6.96E-03 | 1.20E-02 | 2.22E-02 | 4.16E-02 | 3.26E-02 | 2.18E-02 | 2.24E-02 | 2.76E-02 | 2.48E-02 | 2.16E-02 | 1.96E-02 | 1.57E-02 |
| Spleen | 8.27E-09 | 1.33E-03 | 3.18E-02 | 8.53E-02 | 7.81E-02 | 4.27E-02 | 3.94E-02 | 5.07E-02 | 5.21E-02 | 4.51E-02 | 3.97E-02 | 3.13E-02 |
| Testes | 2.03E-05 | 2.72E-02 | 1.84E-01 | 2.83E-01 | 1.64E-01 | 9.93E-02 | 9.93E-02 | 9.00E-02 | 7.37E-02 | 6.46E-02 | 6.19E-02 | |
| Thymus | 0.0 | 2.64E-09 | 2.27E-05 | 2.05E-03 | 3.83E-03 | 4.57E-03 | 5.09E-03 | 6.78E-03 | 7.28E-03 | 6.87E-03 | 6.36E-03 | 4.99E-03 |
| Thyroid | 0.0 | 0.0 | 1.69E-06 | 5.70E-04 | 3.07E-03 | 3.70E-03 | 4.10E-03 | 4.25E-03 | 4.13E-03 | 3.99E-03 | 3.90E-03 | 3.29E-03 |
| GB_Wall | 2.42E-08 | 3.31E-03 | 4.03E-02 | 1.22E-01 | 1.17E-01 | 6.98E-02 | 5.53E-02 | 6.42E-02 | 5.39E-02 | 5.44E-02 | 5.38E-02 | 3.75E-02 |
| Ht_Wall | 0.0 | 2.89E-06 | 8.24E-04 | 1.22E-02 | 1.86E-02 | 1.49E-02 | 1.33E-02 | 1.50E-02 | 1.39E-02 | 1.23E-02 | 1.01E-02 | |
| Uterus | 1.30E-04 | 1.26E-01 | 5.71E-01 | 8.17E-01 | 4.69E-01 | 2.45E-01 | 2.35E-01 | 2.03E-01 | 2.03E-01 | 1.78E-01 | 1.56E-01 | 1.23E-01 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 2.76E-05 | 3.14E-03 | 2.25E-02 | 2.52E-02 | 2.59E-02 | 2.42E-02 | 2.15E-02 | 1.96E-02 | 1.84E-02 | 1.75E-02 | 1.50E-02 |
| UB_Wall | 1.35E-02 | 3.06E-01 | 7.25E-01 | 7.92E-01 | 3.96E-01 | 2.21E-01 | 2.16E-01 | 2.01E-01 | 2.09E-01 | 1.95E-01 | 1.80E-01 | 1.45E-01 |
| Bone_Sur | 2.21E-02 | 2.46E-01 | 4.88E-01 | 5.57E-01 | 3.19E-01 | 9.75E-02 | 5.38E-02 | 4.71E-02 | 4.37E-02 | 4.21E-02 | 4.05E-02 | 3.38E-02 |
| Brain | 0.0 | 0.0 | 3.59E-09 | 2.11E-05 | 1.66E-04 | 3.75E-04 | 5.25E-04 | 7.50E-04 | 8.93E-04 | 9.77E-04 | 1.05E-03 | 1.26E-03 |
| Breasts | 0.0 | 9.65E-08 | 1.36E-04 | 4.93E-03 | 7.00E-03 | 9.03E-03 | 9.80E-03 | 9.52E-03 | 8.93E-03 | 8.59E-03 | 8.24E-03 | 6.84E-03 |
| St_Wall | 2.53E-04 | 1.90E-02 | 9.61E-02 | 1.69E-01 | 1.11E-01 | 7.39E-02 | 7.04E-02 | 6.28E-02 | 5.83E-02 | 5.41E-02 | 5.04E-02 | 4.14E-02 |
| SI_Wall | 9.77E-01 | 1.42E+00 | 1.42E+00 | 9.39E-01 | 4.22E-01 | 2.36E-01 | 2.43E-01 | 2.47E-01 | 2.25E-01 | 2.01E-01 | 1.84E-01 | 1.51E-01 |
| ULI_Wall | 1.88E-01 | 3.89E-01 | 4.82E-01 | 4.06E-01 | 2.18E-01 | 1.25E-01 | 1.13E-01 | 1.17E-01 | 1.15E-01 | 1.07E-01 | 9.95E-02 | 8.12E-02 |
| LLI_Wall | 7.80E+01 | 4.17E+01 | 2.34E+01 | 8.75E+00 | 2.85E+00 | 1.64E+00 | 1.76E+00 | 1.93E+00 | 1.82E+00 | 1.68E+00 | 1.55E+00 | 1.20E+00 |
| Kidneys | 2.69E-09 | 5.65E-04 | 1.09E-02 | 5.29E-02 | 6.05E-02 | 3.73E-02 | 3.45E-02 | 3.47E-02 | 3.46E-02 | 3.32E-02 | 3.14E-02 | 2.54E-02 |
| Liver | 1.04E-10 | 1.12E-04 | 4.74E-03 | 2.94E-02 | 3.78E-02 | 2.55E-02 | 2.43E-02 | 2.49E-02 | 2.40E-02 | 2.37E-02 | 2.28E-02 | 1.74E-02 |
| ET1-bas | 0.0 | 1.26E-06 | 4.59E-04 | 2.63E-03 | 3.31E-03 | 3.59E-03 | 3.86E-03 | 3.86E-03 | 3.86E-03 | 3.66E-03 | 3.58E-03 | 3.02E-03 |
| ET2-bas | 0.0 | 1.26E-06 | 4.59E-04 | 2.63E-03 | 3.31E-03 | 3.59E-03 | 3.86E-03 | 3.86E-03 | 3.86E-03 | 3.66E-03 | 3.58E-03 | 3.02E-03 |
| LN-ET | 0.0 | 1.26E-06 | 4.59E-04 | 2.63E-03 | 3.31E-03 | 3.59E-03 | 3.86E-03 | 3.86E-03 | 3.86E-03 | 3.66E-03 | 3.58E-03 | 3.02E-03 |
| BBi-bas | 0.0 | 2.15E-06 | 5.01E-04 | 8.26E-03 | 1.09E-02 | 9.26E-03 | 8.74E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| BBi-sec | 0.0 | 2.15E-06 | 5.01E-04 | 8.26E-03 | 1.09E-02 | 9.26E-03 | 8.74E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| bbe-sec | 0.0 | 2.15E-06 | 5.01E-04 | 8.26E-03 | 1.09E-02 | 9.26E-03 | 8.74E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| AI | 0.0 | 2.15E-06 | 5.01E-04 | 8.26E-03 | 1.09E-02 | 9.26E-03 | 8.74E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| LN-Th | 0.0 | 2.15E-06 | 5.01E-04 | 8.26E-03 | 1.09E-02 | 9.26E-03 | 8.74E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| Lng_Tiss | 0.0 | 2.15E-06 | 5.01E-04 | 8.26E-03 | 1.09E-02 | 9.26E-03 | 8.74E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| Lung_NP | 0.0 | 1.26E-06 | 4.59E-04 | 2.63E-03 | 3.31E-03 | 3.59E-03 | 3.86E-03 | 3.86E-03 | 3.86E-03 | 3.77E-03 | 3.66E-03 | 3.58E-03 |
| Lung_TB | 0.0 | 2.15E-06 | 5.01E-04 | 8.26E-03 | 1.09E-02 | 9.26E-03 | 8.74E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| Lung_P | 0.0 | 2.15E-06 | 5.01E-04 | 8.26E-03 | 1.09E-02 | 9.26E-03 | 8.74E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| Muscle | 7.09E-02 | 1.44E-01 | 1.92E-01 | 1.80E-01 | 9.68E-02 | 5.73E-02 | 5.75E-02 | 5.99E-02 | 5.59E-02 | 5.12E-02 | 4.75E-02 | 3.89E-02 |
| Ovaries | 1.81E+00 | 3.79E+00 | 3.82E+00 | 2.09E+00 | 7.80E-01 | 4.36E-01 | 4.32E-01 | 4.76E-01 | 4.18E-01 | 4.06E-01 | 3.96E-01 | 3.30E-01 |
| Pancreas | 2.42E-10 | 5.42E-04 | 1.57E-02 | 6.73E-02 | 6.55E-02 | 3.88E-02 | 4.26E-02 | 3.78E-02 | 3.39E-02 | 3.27E-02 | 3.10E-02 | 2.35E-02 |
| R_Marrow | 5.03E-03 | 5.02E-02 | 8.98E-02 | 8.97E-02 | 5.66E-02 | 3.70E-02 | 3.65E-02 | 3.67E-02 | 3.46E-02 | 3.31E-02 | 3.16E-02 | 2.70E-02 |
| Skin | 7.12E-03 | 1.49E-02 | 2.73E-02 | 4.53E-02 | 3.52E-02 | 2.38E-02 | 2.33E-02 | 2.50E-02 | 2.50E-02 | 2.37E-02 | 2.23E-02 | 1.86E-02 |
| Spleen | 1.34E-08 | 1.06E-03 | 1.69E-02 | 6.42E-02 | 5.90E-02 | 3.61E-02 | 4.00E-02 | 4.13E-02 | 3.59E-02 | 3.03E-02 | 2.74E-02 | 2.65E-02 |
| Testes | 7.83E-05 | 5.73E-02 | 2.51E-01 | 4.14E-01 | 2.27E-01 | 1.13E-01 | 1.35E-01 | 1.20E-01 | 1.03E-01 | 9.35E-02 | 8.05E-02 | 8.05E-02 |
| Thymus | 0.0 | 2.06E-09 | 1.75E-05 | 1.67E-03 | 3.30E-03 | 5.09E-03 | 5.55E-03 | 5.87E-03 | 6.02E-03 | 5.78E-03 | 5.47E-03 | 4.56E-03 |
| Thyroid | 0.0 | 0.0 | 1.26E-06 | 4.59E-04 | 2.63E-03 | 3.31E-03 | 3.59E-03 | 3.86E-03 | 3.77E-03 | 3.66E-03 | 3.58E-03 | 3.02E-03 |
| GB_Wall | 3.48E-08 | 2.64E-03 | 3.34E-02 | 9.94E-02 | 1.03E-01 | 6.06E-02 | 6.21E-02 | 5.48E-02 | 4.39E-02 | 4.00E-02 | 3.77E-02 | 3.21E-02 |
| Ht_Wall | 0.0 | 2.14E-06 | 6.23E-04 | 1.11E-02 | 1.27E-02 | 1.26E-02 | 1.34E-02 | 1.31E-02 | 1.23E-02 | 1.14E-02 | 9.06E-03 | 9.06E-03 |
| Uterus | 2.82E-04 | 1.08E-01 | 5.36E-01 | 8.00E-01 | 4.28E-01 | 2.13E-01 | 2.38E-01 | 2.17E-01 | 1.94E-01 | 1.78E-01 | 1.43E-01 | 1.43E-01 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 3.44E-01 | 1.29E+00 | 1.74E+00 | 1.28E+00 | 5.56E-01 | 3.23E-01 | 3.41E-01 | 3.12E-01 | 2.98E-01 | 2.80E-01 | 2.04E-01 | | |
| UB_Wall1 | 0.0 | 6.44E-06 | 1.96E-03 | 2.31E-02 | 2.89E-02 | 2.48E-02 | 2.15E-02 | 2.22E-02 | 2.29E-02 | 2.17E-02 | 2.03E-02 | 1.66E-02 | |
| Bone_Sur | 2.67E-02 | 1.90E-01 | 4.51E-01 | 6.32E-01 | 3.77E-01 | 1.13E-01 | 6.44E-02 | 5.73E-02 | 5.58E-02 | 5.26E-02 | 4.90E-02 | 3.77E-02 | |
| Brain | 0.0 | 0.0 | 2.09E-07 | 1.98E-04 | 9.24E-04 | 1.38E-03 | 1.69E-03 | 2.17E-03 | 2.91E-03 | 3.30E-03 | 3.31E-03 | 2.41E-03 | |
| Breasts | 0.0 | 1.19E-06 | 9.02E-04 | 8.64E-03 | 2.48E-02 | 1.94E-02 | 1.71E-02 | 1.67E-02 | 1.59E-02 | 1.58E-02 | 1.40E-02 | | |
| St_Wall1 | 8.79E-08 | 4.46E-03 | 4.90E-02 | 1.59E-01 | 1.26E-01 | 7.27E-02 | 6.89E-02 | 7.24E-02 | 6.38E-02 | 6.14E-02 | 5.89E-02 | 4.57E-02 | |
| SI_Wall1 | 1.66E-05 | 1.59E-02 | 9.81E-02 | 2.24E-01 | 1.60E-01 | 9.55E-02 | 9.23E-02 | 8.90E-02 | 8.35E-02 | 7.86E-02 | 7.37E-02 | 5.82E-02 | |
| ULI_Wall1 | 2.24E-07 | 2.29E-03 | 5.94E-02 | 1.80E-01 | 1.31E-01 | 7.49E-02 | 7.13E-02 | 6.55E-02 | 6.43E-02 | 6.25E-02 | 6.05E-02 | 5.51E-02 | |
| LLI_Wall1 | 2.69E-09 | 5.65E-04 | 1.09E-02 | 5.29E-02 | 6.05E-02 | 3.73E-02 | 3.45E-02 | 3.47E-02 | 3.46E-02 | 3.32E-02 | 3.14E-02 | 2.54E-02 | |
| Kidneys | 3.84E+01 | 2.80E+01 | 1.74E+01 | 7.00E+00 | 2.33E+00 | 1.34E+00 | 1.45E+00 | 1.45E+00 | 1.43E+00 | 1.32E+00 | 1.23E+00 | 9.95E-01 | |
| Liver | 5.65E-03 | 7.95E-02 | 2.03E-01 | 2.65E-01 | 1.66E-01 | 9.85E-02 | 9.75E-02 | 9.83E-02 | 8.88E-02 | 7.95E-02 | 7.31E-02 | 6.22E-02 | |
| ET1-bas | 0.0 | 3.00E-09 | 3.95E-05 | 3.74E-03 | 8.20E-03 | 8.49E-03 | 7.56E-03 | 8.37E-03 | 9.00E-03 | 8.40E-03 | 8.00E-03 | 6.41E-03 | |
| ET2-bas | 0.0 | 3.00E-09 | 3.95E-05 | 3.74E-03 | 8.20E-03 | 8.49E-03 | 7.56E-03 | 8.37E-03 | 9.00E-03 | 8.40E-03 | 8.00E-03 | 6.41E-03 | |
| LN-ET | 0.0 | 3.00E-09 | 3.95E-05 | 3.74E-03 | 8.20E-03 | 8.49E-03 | 7.56E-03 | 8.37E-03 | 9.00E-03 | 8.40E-03 | 8.00E-03 | 6.41E-03 | |
| BBi-bas | 2.15E-06 | 6.21E-03 | 4.40E-02 | 1.03E-01 | 7.37E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 | |
| BBi-sec | 2.15E-06 | 6.21E-03 | 4.40E-02 | 1.03E-01 | 7.37E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 | |
| bbe-sec | 2.15E-06 | 6.21E-03 | 4.40E-02 | 1.03E-01 | 7.37E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 | |
| AI | 2.15E-06 | 6.21E-03 | 4.40E-02 | 1.03E-01 | 7.37E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 | |
| LN-Th | 2.15E-06 | 6.21E-03 | 4.40E-02 | 1.03E-01 | 7.37E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 | |
| Lng_Tiss | 2.15E-06 | 6.21E-03 | 4.40E-02 | 1.03E-01 | 7.37E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 | |
| Lung_NP | 0.0 | 3.00E-09 | 3.95E-05 | 3.74E-03 | 8.20E-03 | 8.49E-03 | 7.56E-03 | 8.37E-03 | 9.00E-03 | 8.40E-03 | 8.00E-03 | 6.41E-03 | |
| Lung_TB | 2.15E-06 | 6.21E-03 | 4.40E-02 | 1.03E-01 | 7.37E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 | |
| Lung_P | 2.15E-06 | 6.21E-03 | 4.40E-02 | 1.03E-01 | 7.37E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 | |
| Muscle | 4.75E-02 | 1.12E-01 | 1.45E-01 | 1.24E-01 | 7.11E-02 | 4.38E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 | |
| Ovaries | 0.0 | 5.49E-04 | 1.34E-02 | 7.55E-02 | 9.04E-02 | 6.00E-02 | 5.22E-02 | 5.49E-02 | 5.72E-02 | 5.16E-02 | 4.62E-02 | 3.50E-02 | |
| Pancreas | 1.74E-05 | 4.33E-02 | 2.87E-01 | 4.95E-01 | 2.80E-01 | 1.61E-01 | 1.62E-01 | 1.56E-01 | 1.39E-01 | 1.26E-01 | 1.18E-01 | 1.12E-01 | |
| R_Marrow | 3.32E-03 | 2.26E-02 | 5.25E-02 | 7.50E-02 | 5.55E-02 | 3.74E-02 | 3.76E-02 | 3.85E-02 | 3.71E-02 | 3.54E-02 | 3.31E-02 | 2.49E-02 | |
| Skin | 2.89E-03 | 2.55E-02 | 4.55E-02 | 5.12E-02 | 3.29E-02 | 2.26E-02 | 2.44E-02 | 4.43E-02 | 4.66E-02 | 4.12E-02 | 3.84E-02 | 3.14E-02 | |
| Spleen | 8.56E-02 | 6.66E-01 | 1.19E+00 | 9.27E-01 | 4.24E-01 | 2.33E-01 | 2.34E-01 | 2.38E-01 | 2.34E-01 | 2.26E-01 | 2.02E-01 | 1.99E-01 | 1.57E-01 |
| Testes | 0.0 | 3.50E-08 | 1.46E-04 | 5.83E-03 | 7.94E-03 | 1.02E-02 | 1.11E-02 | 1.09E-02 | 1.09E-02 | 9.72E-03 | 9.34E-03 | 8.44E-03 | |
| Thymus | 0.0 | 1.72E-07 | 2.96E-04 | 8.57E-03 | 1.42E-02 | 1.47E-02 | 1.28E-02 | 1.23E-02 | 1.17E-02 | 1.13E-02 | 1.10E-02 | 1.06E-02 | |
| Thyroid | 0.0 | 3.00E-09 | 3.95E-05 | 3.74E-03 | 8.20E-03 | 8.49E-03 | 7.56E-03 | 8.37E-03 | 9.00E-03 | 8.40E-03 | 8.00E-03 | 6.41E-03 | |
| GB_Wall1 | 1.05E-07 | 9.28E-03 | 1.09E-01 | 2.79E-01 | 1.90E-01 | 1.11E-01 | 1.16E-01 | 1.05E-01 | 1.02E-01 | 8.83E-02 | 7.80E-02 | 6.46E-02 | |
| Ht_Wall1 | 0.0 | 1.84E-04 | 1.22E-02 | 5.22E-02 | 5.56E-02 | 3.69E-02 | 3.33E-02 | 3.59E-02 | 3.89E-02 | 3.45E-02 | 3.11E-02 | 2.84E-02 | |
| Uterus | 0.0 | 2.54E-04 | 9.50E-03 | 6.53E-02 | 7.31E-02 | 4.67E-02 | 4.72E-02 | 4.36E-02 | 3.96E-02 | 3.67E-02 | 3.47E-02 | 3.08E-02 | |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 |
| Adrenals | 2.31E-02 | 2.11E-01 | 3.95E-01 | 4.19E-01 | 2.28E-01 | 1.31E-01 | 1.30E-01 | 1.27E-01 | 1.16E-01 | 1.09E-01 | 1.02E-01 | 7.79E-02 |
| UB_Wall | 0.0 | 3.05E-05 | 3.70E-03 | 2.58E-02 | 3.79E-02 | 2.39E-02 | 2.37E-02 | 2.47E-02 | 2.42E-02 | 2.22E-02 | 2.06E-02 | 1.88E-02 |
| Bone_Sur | 1.54E-02 | 8.80E-02 | 2.11E-01 | 3.47E-01 | 2.41E-01 | 7.88E-02 | 4.18E-02 | 3.73E-02 | 3.64E-02 | 3.33E-02 | 3.07E-02 | 2.55E-02 |
| Brain | 0.0 | 0.0 | 7.30E-07 | 3.53E-04 | 1.38E-03 | 1.98E-03 | 2.07E-03 | 2.87E-03 | 3.35E-03 | 3.20E-03 | 3.07E-03 | 3.17E-03 |
| Breasts | 4.52E-08 | 4.17E-03 | 3.62E-02 | 9.93E-02 | 7.33E-02 | 4.52E-02 | 4.63E-02 | 5.03E-02 | 4.62E-02 | 4.37E-02 | 4.14E-02 | 3.27E-02 |
| St_Wall | 9.79E-03 | 1.28E-01 | 3.03E-01 | 3.68E-01 | 2.02E-01 | 1.15E-01 | 1.14E-01 | 1.14E-01 | 1.09E-01 | 1.00E-01 | 9.14E-02 | 6.73E-02 |
| SI_Wall | 1.38E-02 | 5.15E-02 | 1.28E-01 | 2.22E-01 | 1.52E-01 | 8.51E-02 | 7.93E-02 | 8.04E-02 | 7.96E-02 | 7.21E-02 | 6.54E-02 | 5.17E-02 |
| ULI_Wall | 5.11E-02 | 1.77E-01 | 3.33E-01 | 3.95E-01 | 2.18E-01 | 1.25E-01 | 1.23E-01 | 1.26E-01 | 1.16E-01 | 1.09E-01 | 1.03E-01 | 8.28E-02 |
| LLI_Wall | 1.04E-10 | 1.12E-04 | 4.74E-03 | 2.94E-02 | 3.78E-02 | 2.55E-02 | 2.43E-02 | 2.49E-02 | 2.40E-02 | 2.37E-02 | 2.38E-02 | 1.74E-02 |
| Kidneys | 5.65E-03 | 7.95E-02 | 2.03E-01 | 2.65E-01 | 1.66E-01 | 9.85E-02 | 9.75E-02 | 9.83E-02 | 8.88E-02 | 7.95E-02 | 7.31E-02 | 6.22E-02 |
| Liver | 7.69E+00 | 6.51E+00 | 4.89E+00 | 2.46E+00 | 9.21E-01 | 5.21E-01 | 5.43E-01 | 5.77E-01 | 5.30E-01 | 4.89E-01 | 4.55E-01 | 3.64E-01 |
| ET1-bas | 0.0 | 2.44E-07 | 3.17E-04 | 1.12E-02 | 1.81E-02 | 1.37E-02 | 1.26E-02 | 1.30E-02 | 1.31E-02 | 1.27E-02 | 1.22E-02 | 1.02E-02 |
| ET2-bas | 0.0 | 2.44E-07 | 3.17E-04 | 1.12E-02 | 1.81E-02 | 1.37E-02 | 1.26E-02 | 1.30E-02 | 1.31E-02 | 1.27E-02 | 1.22E-02 | 1.02E-02 |
| LN-ET | 0.0 | 2.44E-07 | 3.17E-04 | 1.12E-02 | 1.81E-02 | 1.37E-02 | 1.26E-02 | 1.30E-02 | 1.31E-02 | 1.27E-02 | 1.22E-02 | 1.02E-02 |
| BBi-bas | 4.31E-02 | 2.07E-01 | 3.25E-01 | 2.75E-01 | 1.39E-01 | 7.77E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| BBi-sec | 4.31E-02 | 2.07E-01 | 3.25E-01 | 2.75E-01 | 1.39E-01 | 7.77E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| bbe-sec | 4.31E-02 | 2.07E-01 | 3.25E-01 | 2.75E-01 | 1.39E-01 | 7.77E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| AI | 4.31E-02 | 2.07E-01 | 3.25E-01 | 2.75E-01 | 1.39E-01 | 7.77E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| LN-Th | 4.31E-02 | 2.07E-01 | 3.25E-01 | 2.75E-01 | 1.39E-01 | 7.77E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| Lng_Tiss | 4.31E-02 | 2.07E-01 | 3.25E-01 | 2.75E-01 | 1.39E-01 | 7.77E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| Lung_NP | 0.0 | 2.44E-07 | 3.17E-04 | 1.12E-02 | 1.81E-02 | 1.37E-02 | 1.26E-02 | 1.30E-02 | 1.31E-02 | 1.27E-02 | 1.22E-02 | 1.02E-02 |
| Lung_TB | 4.31E-02 | 2.07E-01 | 3.25E-01 | 2.75E-01 | 1.39E-01 | 7.77E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| Lung_P | 4.31E-02 | 2.07E-01 | 3.25E-01 | 2.75E-01 | 1.39E-01 | 7.77E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| Muscle | 2.57E-02 | 6.19E-02 | 9.25E-02 | 9.82E-02 | 6.00E-02 | 3.67E-02 | 3.70E-02 | 3.88E-02 | 3.67E-02 | 3.40E-02 | 3.16E-02 | 2.59E-02 |
| Ovaries | 7.25E-10 | 5.46E-04 | 1.34E-02 | 7.53E-02 | 6.90E-02 | 4.42E-02 | 4.05E-02 | 3.92E-02 | 3.54E-02 | 3.48E-02 | 3.38E-02 | 2.69E-02 |
| Pancreas | 2.38E-03 | 1.59E-01 | 4.69E-01 | 5.50E-01 | 2.90E-01 | 1.64E-01 | 1.57E-01 | 1.61E-01 | 1.44E-01 | 1.33E-01 | 1.25E-01 | 1.03E-01 |
| R_Marrow | 2.37E-03 | 1.24E-02 | 2.80E-02 | 4.44E-02 | 3.67E-02 | 2.52E-02 | 2.41E-02 | 2.55E-02 | 2.52E-02 | 2.34E-02 | 2.18E-02 | 1.78E-02 |
| Skin | 1.24E-03 | 1.21E-02 | 3.44E-02 | 4.97E-02 | 3.16E-02 | 1.81E-02 | 1.76E-02 | 2.10E-02 | 2.57E-02 | 2.46E-02 | 2.31E-02 | 1.78E-02 |
| Spleen | 2.51E-09 | 8.94E-04 | 2.31E-02 | 9.79E-02 | 8.49E-02 | 5.25E-02 | 4.93E-02 | 5.16E-02 | 4.71E-02 | 4.24E-02 | 3.94E-02 | 3.45E-02 |
| Testes | 0.0 | 1.39E-07 | 2.18E-04 | 5.77E-03 | 1.02E-02 | 9.12E-03 | 9.01E-03 | 1.12E-02 | 1.19E-02 | 1.16E-02 | 9.36E-03 | |
| Thymus | 0.0 | 8.82E-05 | 6.28E-03 | 4.02E-02 | 3.98E-02 | 2.61E-02 | 2.71E-02 | 2.89E-02 | 2.53E-02 | 2.28E-02 | 2.13E-02 | 1.94E-02 |
| Thyroid | 0.0 | 2.44E-07 | 3.17E-04 | 1.12E-02 | 1.81E-02 | 1.37E-02 | 1.26E-02 | 1.30E-02 | 1.31E-02 | 1.27E-02 | 1.22E-02 | 1.02E-02 |
| GB_Wall | 2.14E-01 | 9.22E-01 | 1.47E+00 | 1.18E+00 | 5.23E-01 | 2.88E-01 | 2.80E-01 | 2.97E-01 | 2.77E-01 | 2.53E-01 | 2.35E-01 | 1.90E-01 |
| Ht_Wall | 8.28E-03 | 1.07E-01 | 2.55E-01 | 2.94E-01 | 1.68E-01 | 9.72E-02 | 9.95E-02 | 9.31E-02 | 8.57E-02 | 7.91E-02 | 6.20E-02 | |
| Uterus | 0.0 | 2.80E-04 | 8.88E-03 | 6.41E-02 | 6.37E-02 | 4.03E-02 | 3.78E-02 | 3.99E-02 | 3.46E-02 | 3.35E-02 | 3.46E-02 | 2.57E-02 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 9.36E-08 | 2.57E-04 | 1.02E-02 | 1.84E-02 | 1.72E-02 | 1.59E-02 | 1.42E-02 | 1.27E-02 | 1.18E-02 | 1.11E-02 | 9.65E-03 |
| UB_Wall | 0.0 | 0.0 | 2.38E-07 | 2.52E-04 | 1.97E-03 | 2.80E-03 | 3.08E-03 | 3.36E-03 | 3.31E-03 | 3.16E-03 | 3.22E-03 | 2.68E-03 |
| Bone_Sur | 1.44E-06 | 5.93E-03 | 6.50E-02 | 2.34E-01 | 1.98E-01 | 6.84E-02 | 3.47E-02 | 2.93E-02 | 2.73E-02 | 2.55E-02 | 2.42E-02 | 2.09E-02 |
| Brain | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.69E-02 | 2.52E-02 | 2.41E-02 | 2.31E-02 | 2.02E-02 |
| Breasts | 0.0 | 6.90E-05 | 9.11E-03 | 4.12E-02 | 3.73E-02 | 3.34E-02 | 3.21E-02 | 3.43E-02 | 3.33E-02 | 3.17E-02 | 3.03E-02 | 2.48E-02 |
| St_Wall | 0.0 | 1.35E-07 | 2.41E-04 | 1.30E-02 | 1.53E-02 | 1.28E-02 | 1.30E-02 | 1.30E-02 | 1.18E-02 | 1.13E-02 | 1.08E-02 | 8.94E-03 |
| SI_Wall | 0.0 | 0.0 | 6.11E-06 | 1.73E-03 | 3.20E-03 | 4.28E-03 | 4.36E-03 | 5.09E-03 | 5.14E-03 | 4.91E-03 | 4.75E-03 | 4.49E-03 |
| ULI_Wall | 0.0 | 2.17E-10 | 9.91E-06 | 1.63E-03 | 4.14E-03 | 6.31E-03 | 6.19E-03 | 6.10E-03 | 6.05E-03 | 5.92E-03 | 5.80E-03 | 4.83E-03 |
| LLI_Wall | 0.0 | 0.0 | 1.26E-06 | 4.59E-04 | 2.63E-03 | 3.31E-03 | 3.59E-03 | 3.86E-03 | 3.77E-03 | 3.66E-03 | 3.58E-03 | 3.02E-03 |
| Kidneys | 0.0 | 3.00E-09 | 3.95E-05 | 3.74E-03 | 8.20E-03 | 8.49E-03 | 8.49E-03 | 8.56E-03 | 8.37E-03 | 9.00E-03 | 8.40E-03 | 8.00E-03 |
| Liver | 0.0 | 2.44E-07 | 3.17E-04 | 1.12E-02 | 1.81E-02 | 1.37E-02 | 1.26E-02 | 1.30E-02 | 1.31E-02 | 1.27E-02 | 1.22E-02 | 1.02E-02 |
| ET1-bas | 5.33E+02 | 2.80E+02 | 1.45E+02 | 4.90E+01 | 1.54E+01 | 8.73E+00 | 9.42E+00 | 1.02E+01 | 9.89E+00 | 9.00E+00 | 8.26E+00 | 6.83E+00 |
| ET2-bas | 5.33E+02 | 2.80E+02 | 1.45E+02 | 4.90E+01 | 1.54E+01 | 8.73E+00 | 9.42E+00 | 1.02E+01 | 9.89E+00 | 9.00E+00 | 8.26E+00 | 6.83E+00 |
| LN-ET | 5.33E+02 | 2.80E+02 | 1.45E+02 | 4.90E+01 | 1.54E+01 | 8.73E+00 | 9.42E+00 | 1.02E+01 | 9.89E+00 | 9.00E+00 | 8.26E+00 | 6.83E+00 |
| BBi-bas | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| BBi-sec | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| bbe-sec | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| AI | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| LN-Th | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| Lng_Tiss | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-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 | 1.33E-01 | 2.64E-01 | 3.11E-01 | 2.38E-01 | 1.13E-01 | 6.48E-02 | 6.57E-02 | 6.81E-02 | 6.39E-02 | 5.94E-02 | 5.54E-02 | 4.44E-02 |
| Ovaries | 0.0 | 0.0 | 9.80E-07 | 5.30E-04 | 3.12E-03 | 3.89E-03 | 4.10E-03 | 4.39E-03 | 4.26E-03 | 4.13E-03 | 4.03E-03 | 3.39E-03 |
| Pancreas | 0.0 | 1.06E-07 | 2.79E-04 | 9.80E-03 | 1.18E-02 | 1.35E-02 | 1.41E-02 | 1.37E-02 | 1.30E-02 | 1.24E-02 | 1.20E-02 | 9.87E-03 |
| R_Marrow | 3.20E-06 | 1.05E-03 | 1.09E-02 | 3.75E-02 | 3.73E-02 | 2.61E-02 | 2.30E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 |
| Skin | 7.12E-07 | 1.98E-03 | 1.84E-02 | 4.47E-02 | 3.16E-02 | 1.99E-02 | 1.99E-02 | 2.10E-02 | 2.23E-02 | 2.25E-02 | 1.92E-02 | 1.94E-02 |
| Spleen | 0.0 | 3.72E-08 | 1.43E-04 | 1.00E-02 | 1.64E-02 | 1.50E-02 | 1.36E-02 | 1.26E-02 | 1.15E-02 | 1.07E-02 | 1.00E-02 | 8.32E-03 |
| Testes | 0.0 | 0.0 | 1.90E-08 | 7.27E-05 | 9.37E-04 | 1.65E-03 | 1.95E-03 | 2.25E-03 | 2.22E-03 | 2.20E-03 | 1.89E-03 | 1.89E-03 |
| Thymus | 1.09E-02 | 4.45E-01 | 9.61E-01 | 1.02E+00 | 4.72E-01 | 2.60E-01 | 2.58E-01 | 2.76E-01 | 2.47E-01 | 2.42E-01 | 2.38E-01 | 2.00E-01 |
| Thyroid | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.69E-02 | 2.52E-02 | 2.41E-02 | 2.31E-02 | 2.02E-02 |
| GB_Wall | 0.0 | 2.82E-08 | 1.24E-04 | 6.10E-03 | 1.35E-02 | 1.13E-02 | 1.06E-02 | 1.11E-02 | 1.05E-02 | 1.01E-02 | 9.74E-03 | 8.04E-03 |
| Ht_Wall | 8.02E-10 | 7.46E-04 | 1.66E-02 | 8.60E-02 | 8.00E-02 | 5.01E-02 | 4.52E-02 | 4.90E-02 | 4.36E-02 | 3.89E-02 | 3.22E-02 | 3.22E-02 |
| Uterus | 0.0 | 0.0 | 8.68E-07 | 4.98E-04 | 3.01E-03 | 3.78E-03 | 4.01E-03 | 4.29E-03 | 4.18E-03 | 4.04E-03 | 3.95E-03 | 3.32E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 9.36E-08 | 2.57E-04 | 1.02E-02 | 1.84E-02 | 1.72E-02 | 1.59E-02 | 1.42E-02 | 1.27E-02 | 1.18E-02 | 1.11E-02 | 9.65E-03 |
| UB_Wall | 0.0 | 0.0 | 2.38E-07 | 2.52E-04 | 1.97E-03 | 2.80E-03 | 3.08E-03 | 3.36E-03 | 3.31E-03 | 3.16E-03 | 3.22E-03 | 2.68E-03 |
| Bone_Sur | 1.44E-06 | 5.93E-03 | 6.50E-02 | 2.34E-01 | 1.98E-01 | 6.84E-02 | 3.47E-02 | 2.93E-02 | 2.73E-02 | 2.55E-02 | 2.42E-02 | 2.09E-02 |
| Brain | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.69E-02 | 2.52E-02 | 2.41E-02 | 2.31E-02 | 2.02E-02 |
| Breasts | 0.0 | 6.90E-05 | 9.11E-03 | 4.12E-02 | 3.73E-02 | 3.34E-02 | 3.21E-02 | 3.43E-02 | 3.33E-02 | 3.17E-02 | 3.03E-02 | 2.48E-02 |
| St_Wall | 0.0 | 1.35E-07 | 2.41E-04 | 1.30E-02 | 1.53E-02 | 1.28E-02 | 1.30E-02 | 1.30E-02 | 1.18E-02 | 1.13E-02 | 1.08E-02 | 8.94E-03 |
| SI_Wall | 0.0 | 0.0 | 6.11E-06 | 1.73E-03 | 3.20E-03 | 4.28E-03 | 4.36E-03 | 5.09E-03 | 5.14E-03 | 4.91E-03 | 4.75E-03 | 4.49E-03 |
| ULI_Wall | 0.0 | 2.17E-10 | 9.91E-06 | 1.63E-03 | 4.14E-03 | 6.31E-03 | 6.19E-03 | 6.10E-03 | 6.05E-03 | 5.92E-03 | 5.80E-03 | 4.83E-03 |
| LLI_Wall | 0.0 | 0.0 | 1.26E-06 | 4.59E-04 | 2.63E-03 | 3.31E-03 | 3.59E-03 | 3.86E-03 | 3.77E-03 | 3.66E-03 | 3.58E-03 | 3.02E-03 |
| Kidneys | 0.0 | 3.00E-09 | 3.95E-05 | 3.74E-03 | 8.20E-03 | 8.49E-03 | 8.49E-03 | 8.56E-03 | 8.37E-03 | 9.00E-03 | 8.40E-03 | 8.00E-03 |
| Liver | 0.0 | 2.44E-07 | 3.17E-04 | 1.12E-02 | 1.81E-02 | 1.37E-02 | 1.26E-02 | 1.30E-02 | 1.31E-02 | 1.27E-02 | 1.22E-02 | 1.02E-02 |
| ET1-bas | 5.33E+02 | 2.80E+02 | 1.45E+02 | 4.90E+01 | 1.54E+01 | 8.73E+00 | 9.42E+00 | 1.02E+01 | 9.89E+00 | 9.00E+00 | 8.26E+00 | 6.83E+00 |
| ET2-bas | 5.33E+02 | 2.80E+02 | 1.45E+02 | 4.90E+01 | 1.54E+01 | 8.73E+00 | 9.42E+00 | 1.02E+01 | 9.89E+00 | 9.00E+00 | 8.26E+00 | 6.83E+00 |
| LN-ET | 5.33E+02 | 2.80E+02 | 1.45E+02 | 4.90E+01 | 1.54E+01 | 8.73E+00 | 9.42E+00 | 1.02E+01 | 9.89E+00 | 9.00E+00 | 8.26E+00 | 6.83E+00 |
| BBi-bas | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| BBi-sec | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| bbe-sec | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| AI | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| LN-Th | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| Lng_Tiss | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-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 | 1.33E-01 | 2.64E-01 | 3.11E-01 | 2.38E-01 | 1.13E-01 | 6.48E-02 | 6.57E-02 | 6.81E-02 | 6.39E-02 | 5.94E-02 | 5.54E-02 | 4.44E-02 |
| Ovaries | 0.0 | 0.0 | 9.80E-07 | 5.30E-04 | 3.12E-03 | 3.89E-03 | 4.10E-03 | 4.39E-03 | 4.26E-03 | 4.13E-03 | 4.03E-03 | 3.39E-03 |
| Pancreas | 0.0 | 1.06E-07 | 2.79E-04 | 9.80E-03 | 1.18E-02 | 1.35E-02 | 1.41E-02 | 1.37E-02 | 1.30E-02 | 1.24E-02 | 1.20E-02 | 9.87E-03 |
| R_Marrow | 3.20E-06 | 1.05E-03 | 1.09E-02 | 3.75E-02 | 3.73E-02 | 2.61E-02 | 2.30E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 |
| Skin | 7.12E-07 | 1.98E-03 | 1.84E-02 | 4.47E-02 | 3.16E-02 | 1.99E-02 | 1.99E-02 | 2.10E-02 | 2.23E-02 | 2.25E-02 | 1.92E-02 | 1.94E-02 |
| Spleen | 0.0 | 3.72E-08 | 1.43E-04 | 1.00E-02 | 1.64E-02 | 1.50E-02 | 1.36E-02 | 1.26E-02 | 1.15E-02 | 1.07E-02 | 1.00E-02 | 8.32E-03 |
| Testes | 0.0 | 0.0 | 1.90E-08 | 7.27E-05 | 9.37E-04 | 1.65E-03 | 1.95E-03 | 2.25E-03 | 2.22E-03 | 2.20E-03 | 1.89E-03 | 1.89E-03 |
| Thymus | 1.09E-02 | 4.45E-01 | 9.61E-01 | 1.02E+00 | 4.72E-01 | 2.60E-01 | 2.58E-01 | 2.76E-01 | 2.47E-01 | 2.42E-01 | 2.38E-01 | 2.00E-01 |
| Thyroid | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.69E-02 | 2.52E-02 | 2.41E-02 | 2.31E-02 | 2.02E-02 |
| GB_Wall | 0.0 | 2.82E-08 | 1.24E-04 | 6.10E-03 | 1.35E-02 | 1.13E-02 | 1.06E-02 | 1.11E-02 | 1.05E-02 | 1.01E-02 | 9.74E-03 | 8.04E-03 |
| Ht_Wall | 8.02E-10 | 7.46E-04 | 1.66E-02 | 8.60E-02 | 8.00E-02 | 5.01E-02 | 4.52E-02 | 4.90E-02 | 4.36E-02 | 3.89E-02 | 3.22E-02 | 3.22E-02 |
| Uterus | 0.0 | 0.0 | 8.68E-07 | 4.98E-04 | 3.01E-03 | 3.78E-03 | 4.01E-03 | 4.29E-03 | 4.18E-03 | 4.04E-03 | 3.95E-03 | 3.32E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| Source = ET2-lnd | 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 | | | | | | | | | | | | | | |
| UB_Wall | 0.0 | 9.36E-08 | 2.57E-04 | 1.02E-02 | 1.84E-02 | 1.72E-02 | 1.59E-02 | 1.42E-02 | 1.27E-02 | 1.18E-02 | 1.11E-02 | 9.65E-03 | | |
| Bone_Sur | 1.44E-06 | 5.93E-03 | 6.50E-02 | 2.34E-01 | 1.98E-01 | 1.97E-03 | 2.80E-03 | 3.08E-03 | 3.36E-03 | 3.08E-03 | 3.12E-03 | 3.16E-03 | 3.22E-03 | |
| Brain | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.93E-02 | 2.73E-02 | 2.55E-02 | 2.42E-02 | 2.09E-02 | | |
| Breasts | 0.0 | 6.90E-05 | 9.11E-03 | 4.12E-02 | 3.73E-02 | 3.34E-02 | 3.21E-02 | 3.43E-02 | 3.21E-02 | 3.33E-02 | 3.17E-02 | 3.03E-02 | 2.48E-02 | |
| St_Wall | 0.0 | 1.35E-07 | 2.41E-04 | 1.30E-02 | 1.53E-02 | 1.28E-02 | 1.30E-02 | 1.30E-02 | 1.18E-02 | 1.13E-02 | 1.08E-02 | 8.94E-03 | | |
| SI_Wall | 0.0 | 0.0 | 6.11E-06 | 1.73E-03 | 3.20E-03 | 4.28E-03 | 4.36E-03 | 5.09E-03 | 5.14E-03 | 4.91E-03 | 4.75E-03 | 4.49E-03 | 4.75E-03 | |
| ULI_Wall | 0.0 | 2.17E-10 | 9.91E-06 | 1.63E-03 | 4.14E-03 | 6.31E-03 | 6.19E-03 | 6.10E-03 | 6.05E-03 | 5.92E-03 | 5.80E-03 | 5.83E-03 | 5.92E-03 | |
| LLI_Wall | 0.0 | 0.0 | 1.26E-06 | 4.59E-04 | 2.63E-03 | 3.31E-03 | 3.59E-03 | 3.86E-03 | 3.86E-03 | 3.66E-03 | 3.58E-03 | 3.02E-03 | 3.02E-03 | |
| Kidneys | 0.0 | 3.00E-09 | 3.95E-05 | 3.74E-03 | 8.20E-03 | 8.49E-03 | 8.49E-03 | 8.37E-03 | 9.00E-03 | 8.40E-03 | 8.00E-03 | 6.41E-03 | | |
| Liver | 0.0 | 2.44E-07 | 3.17E-04 | 1.12E-02 | 1.81E-02 | 1.37E-02 | 1.26E-02 | 1.30E-02 | 1.31E-02 | 1.27E-02 | 1.22E-02 | 1.02E-02 | | |
| ET1-bas | 5.33E+02 | 2.80E+02 | 1.45E+02 | 4.90E+01 | 1.54E+01 | 8.73E+00 | 9.42E+00 | 1.02E+01 | 9.89E+00 | 9.00E+00 | 8.26E+00 | 6.83E+00 | | |
| ET2-bas | 5.33E+02 | 2.80E+02 | 1.45E+02 | 4.90E+01 | 1.54E+01 | 8.73E+00 | 9.42E+00 | 1.02E+01 | 9.89E+00 | 9.00E+00 | 8.26E+00 | 6.83E+00 | | |
| LN-ET | 5.33E+02 | 2.80E+02 | 1.45E+02 | 4.90E+01 | 1.54E+01 | 8.73E+00 | 9.42E+00 | 1.02E+01 | 9.89E+00 | 9.00E+00 | 8.26E+00 | 6.83E+00 | | |
| BBi-bas | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 | | |
| BBi-sec | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 | | |
| bbe-sec | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 | | |
| AI | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 | | |
| LN-Th | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 | | |
| Lng_Tiss | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-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 | 1.33E-01 | 2.64E-01 | 3.11E-01 | 2.38E-01 | 1.13E-01 | 6.48E-02 | 6.57E-02 | 6.81E-02 | 6.39E-02 | 5.94E-02 | 5.54E-02 | 4.44E-02 | | |
| Ovaries | 0.0 | 0.0 | 9.80E-07 | 5.30E-04 | 3.12E-03 | 3.89E-03 | 4.10E-03 | 4.39E-03 | 4.26E-03 | 4.13E-03 | 4.03E-03 | 3.39E-03 | | |
| Pancreas | 0.0 | 1.06E-07 | 2.79E-04 | 9.80E-03 | 1.18E-02 | 1.35E-02 | 1.41E-02 | 1.37E-02 | 1.30E-02 | 1.24E-02 | 1.20E-02 | 9.87E-03 | | |
| R_Marrow | 3.20E-06 | 1.05E-03 | 1.09E-02 | 3.75E-02 | 3.73E-02 | 2.61E-02 | 2.30E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 | | |
| Skin | 7.12E-07 | 1.98E-03 | 1.84E-02 | 4.47E-02 | 3.16E-02 | 1.99E-02 | 1.99E-02 | 2.10E-02 | 2.23E-02 | 2.25E-02 | 2.05E-02 | 1.92E-02 | 1.94E-02 | |
| Spleen | 0.0 | 3.72E-08 | 1.43E-04 | 1.00E-02 | 1.64E-02 | 1.50E-02 | 1.36E-02 | 1.26E-02 | 1.15E-02 | 1.07E-02 | 1.00E-02 | 8.32E-03 | | |
| Testes | 0.0 | 0.0 | 1.90E-08 | 7.27E-05 | 9.37E-04 | 1.65E-03 | 1.95E-03 | 2.25E-03 | 2.22E-03 | 2.20E-03 | 2.189E-03 | | | |
| Thymus | 1.09E-02 | 4.45E-01 | 9.61E-01 | 1.02E+00 | 4.72E-01 | 2.60E-01 | 2.58E-01 | 2.76E-01 | 2.47E-01 | 2.42E-01 | 2.38E-01 | 2.00E-01 | | |
| Thyroid | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.69E-02 | 2.52E-02 | 2.41E-02 | 2.31E-02 | 2.02E-01 | | |
| GB_Wall | 0.0 | 2.82E-08 | 1.24E-04 | 6.10E-03 | 1.35E-02 | 1.13E-02 | 1.06E-02 | 1.11E-02 | 1.05E-02 | 1.01E-02 | 9.74E-03 | 8.04E-03 | | |
| Ht_Wall | 8.02E-10 | 7.46E-04 | 1.66E-02 | 8.60E-02 | 8.00E-02 | 5.01E-02 | 4.52E-02 | 4.90E-02 | 4.36E-02 | 3.89E-02 | 3.22E-02 | | | |
| Uterus | 0.0 | 0.0 | 8.68E-07 | 4.98E-04 | 3.01E-03 | 3.78E-03 | 4.01E-03 | 4.29E-03 | 4.18E-03 | 4.04E-03 | 3.95E-03 | 3.32E-03 | | |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 9.36E-08 | 2.57E-04 | 1.02E-02 | 1.84E-02 | 1.72E-02 | 1.59E-02 | 1.42E-02 | 1.27E-02 | 1.18E-02 | 1.11E-02 | 9.65E-03 |
| UB_Wall | 0.0 | 0.0 | 2.38E-07 | 2.52E-04 | 1.97E-03 | 2.80E-03 | 3.08E-03 | 3.36E-03 | 3.31E-03 | 3.16E-03 | 3.22E-03 | 2.68E-03 |
| Bone_Sur | 1.44E-06 | 5.93E-03 | 6.50E-02 | 2.34E-01 | 1.98E-01 | 6.84E-02 | 3.47E-02 | 2.93E-02 | 2.73E-02 | 2.55E-02 | 2.42E-02 | 2.09E-02 |
| Brain | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.69E-02 | 2.52E-02 | 2.41E-02 | 2.31E-02 | 2.02E-02 |
| Breasts | 0.0 | 6.90E-05 | 9.11E-03 | 4.12E-02 | 3.73E-02 | 3.34E-02 | 3.21E-02 | 3.43E-02 | 3.33E-02 | 3.17E-02 | 3.03E-02 | 2.48E-02 |
| St_Wall | 0.0 | 1.35E-07 | 2.41E-04 | 1.30E-02 | 1.53E-02 | 1.28E-02 | 1.30E-02 | 1.30E-02 | 1.18E-02 | 1.13E-02 | 1.08E-02 | 8.94E-03 |
| SI_Wall | 0.0 | 0.0 | 6.11E-06 | 1.73E-03 | 3.20E-03 | 4.28E-03 | 4.36E-03 | 5.09E-03 | 5.14E-03 | 4.91E-03 | 4.75E-03 | 4.49E-03 |
| ULI_Wall | 0.0 | 2.17E-10 | 9.91E-06 | 1.63E-03 | 4.14E-03 | 6.31E-03 | 6.19E-03 | 6.10E-03 | 6.05E-03 | 5.92E-03 | 5.80E-03 | 4.83E-03 |
| LLI_Wall | 0.0 | 0.0 | 1.26E-06 | 4.59E-04 | 2.63E-03 | 3.31E-03 | 3.59E-03 | 3.86E-03 | 3.77E-03 | 3.66E-03 | 3.58E-03 | 3.02E-03 |
| Kidneys | 0.0 | 3.00E-09 | 3.95E-05 | 3.74E-03 | 8.20E-03 | 8.49E-03 | 8.49E-03 | 8.56E-03 | 8.37E-03 | 9.00E-03 | 8.40E-03 | 8.00E-03 |
| Liver | 0.0 | 2.44E-07 | 3.17E-04 | 1.12E-02 | 1.81E-02 | 1.37E-02 | 1.26E-02 | 1.30E-02 | 1.31E-02 | 1.27E-02 | 1.22E-02 | 1.02E-02 |
| ET1-bas | 5.33E+02 | 2.80E+02 | 1.45E+02 | 4.90E+01 | 1.54E+01 | 8.73E+00 | 9.42E+00 | 1.02E+01 | 9.89E+00 | 9.00E+00 | 8.26E+00 | 6.83E+00 |
| ET2-bas | 5.33E+02 | 2.80E+02 | 1.45E+02 | 4.90E+01 | 1.54E+01 | 8.73E+00 | 9.42E+00 | 1.02E+01 | 9.89E+00 | 9.00E+00 | 8.26E+00 | 6.83E+00 |
| LN-ET | 5.33E+02 | 2.80E+02 | 1.45E+02 | 4.90E+01 | 1.54E+01 | 8.73E+00 | 9.42E+00 | 1.02E+01 | 9.89E+00 | 9.00E+00 | 8.26E+00 | 6.83E+00 |
| BBi-bas | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| BBi-sec | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| bbe-sec | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| AI | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| LN-Th | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| Lng_Tiss | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-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 | 1.33E-01 | 2.64E-01 | 3.11E-01 | 2.38E-01 | 1.13E-01 | 6.48E-02 | 6.57E-02 | 6.81E-02 | 6.39E-02 | 5.94E-02 | 5.54E-02 | 4.44E-02 |
| Ovaries | 0.0 | 0.0 | 9.80E-07 | 5.30E-04 | 3.12E-03 | 3.89E-03 | 4.10E-03 | 4.39E-03 | 4.26E-03 | 4.13E-03 | 4.03E-03 | 3.39E-03 |
| Pancreas | 0.0 | 1.06E-07 | 2.79E-04 | 9.80E-03 | 1.18E-02 | 1.35E-02 | 1.41E-02 | 1.37E-02 | 1.30E-02 | 1.24E-02 | 1.20E-02 | 9.87E-03 |
| R_Marrow | 3.20E-06 | 1.05E-03 | 1.09E-02 | 3.75E-02 | 3.73E-02 | 2.61E-02 | 2.30E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 |
| Skin | 7.12E-07 | 1.98E-03 | 1.84E-02 | 4.47E-02 | 3.16E-02 | 1.99E-02 | 1.99E-02 | 2.10E-02 | 2.23E-02 | 2.25E-02 | 1.92E-02 | 1.94E-02 |
| Spleen | 0.0 | 3.72E-08 | 1.43E-04 | 1.00E-02 | 1.64E-02 | 1.50E-02 | 1.36E-02 | 1.26E-02 | 1.15E-02 | 1.07E-02 | 1.00E-02 | 8.32E-03 |
| Testes | 0.0 | 0.0 | 1.90E-08 | 7.27E-05 | 9.37E-04 | 1.65E-03 | 1.95E-03 | 2.25E-03 | 2.22E-03 | 2.20E-03 | 1.89E-03 | 1.89E-03 |
| Thymus | 1.09E-02 | 4.45E-01 | 9.61E-01 | 1.02E+00 | 4.72E-01 | 2.60E-01 | 2.58E-01 | 2.76E-01 | 2.47E-01 | 2.42E-01 | 2.38E-01 | 2.00E-01 |
| Thyroid | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.69E-02 | 2.52E-02 | 2.41E-02 | 2.31E-02 | 2.02E-02 |
| GB_Wall | 0.0 | 2.82E-08 | 1.24E-04 | 6.10E-03 | 1.35E-02 | 1.13E-02 | 1.06E-02 | 1.11E-02 | 1.05E-02 | 1.01E-02 | 9.74E-03 | 8.04E-03 |
| Ht_Wall | 8.02E-10 | 7.46E-04 | 1.66E-02 | 8.60E-02 | 8.00E-02 | 5.01E-02 | 4.52E-02 | 4.90E-02 | 4.36E-02 | 3.89E-02 | 3.22E-02 | 3.22E-02 |
| Uterus | 0.0 | 0.0 | 8.68E-07 | 4.98E-04 | 3.01E-03 | 3.78E-03 | 4.01E-03 | 4.29E-03 | 4.18E-03 | 4.04E-03 | 3.95E-03 | 3.32E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 9.36E-08 | 2.57E-04 | 1.02E-02 | 1.84E-02 | 1.72E-02 | 1.59E-02 | 1.42E-02 | 1.27E-02 | 1.18E-02 | 1.11E-02 | 9.65E-03 |
| UB_Wall | 0.0 | 0.0 | 2.38E-07 | 2.52E-04 | 1.97E-03 | 2.80E-03 | 3.08E-03 | 3.36E-03 | 3.31E-03 | 3.16E-03 | 3.22E-03 | 2.68E-03 |
| Bone_Sur | 1.44E-06 | 5.93E-03 | 6.50E-02 | 2.34E-01 | 1.98E-01 | 6.84E-02 | 3.47E-02 | 2.93E-02 | 2.73E-02 | 2.55E-02 | 2.42E-02 | 2.09E-02 |
| Brain | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.69E-02 | 2.52E-02 | 2.41E-02 | 2.31E-02 | 2.02E-02 |
| Breasts | 0.0 | 6.90E-05 | 9.11E-03 | 4.12E-02 | 3.73E-02 | 3.34E-02 | 3.21E-02 | 3.43E-02 | 3.33E-02 | 3.17E-02 | 3.03E-02 | 2.48E-02 |
| St_Wall | 0.0 | 1.35E-07 | 2.41E-04 | 1.30E-02 | 1.53E-02 | 1.28E-02 | 1.30E-02 | 1.30E-02 | 1.18E-02 | 1.13E-02 | 1.08E-02 | 8.94E-03 |
| SI_Wall | 0.0 | 0.0 | 6.11E-06 | 1.73E-03 | 3.20E-03 | 4.28E-03 | 4.36E-03 | 5.09E-03 | 5.14E-03 | 4.91E-03 | 4.75E-03 | 4.49E-03 |
| ULI_Wall | 0.0 | 2.17E-10 | 9.91E-06 | 1.63E-03 | 4.14E-03 | 6.31E-03 | 6.19E-03 | 6.10E-03 | 6.05E-03 | 5.92E-03 | 5.80E-03 | 4.83E-03 |
| LLI_Wall | 0.0 | 0.0 | 1.26E-06 | 4.59E-04 | 2.63E-03 | 3.31E-03 | 3.59E-03 | 3.86E-03 | 3.77E-03 | 3.66E-03 | 3.58E-03 | 3.02E-03 |
| Kidneys | 0.0 | 3.00E-09 | 3.95E-05 | 3.74E-03 | 8.20E-03 | 8.49E-03 | 8.49E-03 | 8.56E-03 | 8.37E-03 | 9.00E-03 | 8.40E-03 | 8.00E-03 |
| Liver | 0.0 | 2.44E-07 | 3.17E-04 | 1.12E-02 | 1.81E-02 | 1.37E-02 | 1.26E-02 | 1.30E-02 | 1.31E-02 | 1.27E-02 | 1.22E-02 | 1.02E-02 |
| ET1-bas | 5.33E+02 | 2.80E+02 | 1.45E+02 | 4.90E+01 | 1.54E+01 | 8.73E+00 | 9.42E+00 | 1.02E+01 | 9.89E+00 | 9.00E+00 | 8.26E+00 | 6.83E+00 |
| ET2-bas | 5.33E+02 | 2.80E+02 | 1.45E+02 | 4.90E+01 | 1.54E+01 | 8.73E+00 | 9.42E+00 | 1.02E+01 | 9.89E+00 | 9.00E+00 | 8.26E+00 | 6.83E+00 |
| LN-ET | 5.33E+02 | 2.80E+02 | 1.45E+02 | 4.90E+01 | 1.54E+01 | 8.73E+00 | 9.42E+00 | 1.02E+01 | 9.89E+00 | 9.00E+00 | 8.26E+00 | 6.83E+00 |
| BBi-bas | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| BBi-sec | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| bbe-sec | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| AI | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| LN-Th | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| Lng_Tiss | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-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 | 1.33E-01 | 2.64E-01 | 3.11E-01 | 2.38E-01 | 1.13E-01 | 6.48E-02 | 6.57E-02 | 6.81E-02 | 6.39E-02 | 5.94E-02 | 5.54E-02 | 4.44E-02 |
| Ovaries | 0.0 | 0.0 | 9.80E-07 | 5.30E-04 | 3.12E-03 | 3.89E-03 | 4.10E-03 | 4.39E-03 | 4.26E-03 | 4.13E-03 | 4.03E-03 | 3.39E-03 |
| Pancreas | 0.0 | 1.06E-07 | 2.79E-04 | 9.80E-03 | 1.18E-02 | 1.35E-02 | 1.41E-02 | 1.37E-02 | 1.30E-02 | 1.24E-02 | 1.20E-02 | 9.87E-03 |
| R_Marrow | 3.20E-06 | 1.05E-03 | 1.09E-02 | 3.75E-02 | 3.73E-02 | 2.61E-02 | 2.30E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 |
| Skin | 7.12E-07 | 1.98E-03 | 1.84E-02 | 4.47E-02 | 3.16E-02 | 1.99E-02 | 1.99E-02 | 2.10E-02 | 2.23E-02 | 2.25E-02 | 1.92E-02 | 1.94E-02 |
| Spleen | 0.0 | 3.72E-08 | 1.43E-04 | 1.00E-02 | 1.64E-02 | 1.50E-02 | 1.36E-02 | 1.26E-02 | 1.15E-02 | 1.07E-02 | 1.00E-02 | 8.32E-03 |
| Testes | 0.0 | 0.0 | 1.90E-08 | 7.27E-05 | 9.37E-04 | 1.65E-03 | 1.95E-03 | 2.25E-03 | 2.22E-03 | 2.20E-03 | 1.89E-03 | 1.89E-03 |
| Thymus | 1.09E-02 | 4.45E-01 | 9.61E-01 | 1.02E+00 | 4.72E-01 | 2.60E-01 | 2.58E-01 | 2.76E-01 | 2.47E-01 | 2.42E-01 | 2.38E-01 | 2.00E-01 |
| Thyroid | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.69E-02 | 2.52E-02 | 2.41E-02 | 2.31E-02 | 2.02E-02 |
| GB_Wall | 0.0 | 2.82E-08 | 1.24E-04 | 6.10E-03 | 1.35E-02 | 1.13E-02 | 1.06E-02 | 1.11E-02 | 1.05E-02 | 1.01E-02 | 9.74E-03 | 8.04E-03 |
| Ht_Wall | 8.02E-10 | 7.46E-04 | 1.66E-02 | 8.60E-02 | 8.00E-02 | 5.01E-02 | 4.52E-02 | 4.90E-02 | 4.36E-02 | 3.89E-02 | 3.22E-02 | 3.22E-02 |
| Uterus | 0.0 | 0.0 | 8.68E-07 | 4.98E-04 | 3.01E-03 | 3.78E-03 | 4.01E-03 | 4.29E-03 | 4.18E-03 | 4.04E-03 | 3.95E-03 | 3.32E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 3.08E-02 | 2.67E-01 | 4.60E-01 | 3.76E-01 | 2.01E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 | |
| UB_Wall | 0.0 | 1.67E-08 | 6.84E-05 | 3.47E-03 | 6.09E-03 | 7.49E-03 | 7.94E-03 | 8.30E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| Bone_Sur | 1.88E-02 | 2.07E-01 | 5.10E-01 | 6.45E-01 | 3.44E-01 | 9.95E-02 | 5.81E-02 | 5.23E-02 | 4.74E-02 | 4.31E-02 | 4.03E-02 | 3.54E-02 |
| Brain | 0.0 | 1.74E-07 | 1.23E-04 | 3.23E-03 | 6.70E-03 | 5.60E-03 | 5.64E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| Breasts | 6.81E-03 | 1.34E-01 | 3.07E-01 | 2.77E-01 | 1.33E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.49E-02 | 8.41E-02 | 8.03E-02 | 5.99E-02 |
| St_Wall | 1.95E-03 | 3.79E-02 | 1.10E-01 | 1.57E-01 | 9.74E-02 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| SI_Wall | 0.0 | 2.62E-05 | 2.52E-03 | 2.43E-02 | 3.10E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| ULI_Wall | 0.0 | 4.86E-05 | 6.08E-03 | 2.94E-02 | 3.21E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| LLI_Wall | 0.0 | 2.07E-06 | 4.79E-04 | 7.87E-03 | 1.06E-02 | 9.24E-03 | 8.78E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| Kidneys | 2.06E-06 | 5.92E-03 | 4.19E-02 | 9.83E-02 | 7.15E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 |
| Liver | 4.11E-02 | 1.98E-01 | 3.09E-01 | 2.62E-01 | 1.34E-01 | 7.73E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| ET1-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| ET2-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| LN-ET | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| BBi-bas | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| BBi-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| bbe-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| AI | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| LN-Th | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Lng_Tiss | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| 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 | 9.68E-02 | 1.85E-01 | 1.97E-01 | 1.42E-01 | 7.06E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 3.98E-02 | 3.71E-02 | 2.95E-02 |
| Ovaries | 0.0 | 4.87E-07 | 4.26E-04 | 5.98E-03 | 1.61E-02 | 1.19E-02 | 1.28E-02 | 1.55E-02 | 1.51E-02 | 1.33E-02 | 1.20E-02 | 9.64E-03 |
| Pancreas | 1.14E-04 | 4.78E-02 | 1.85E-01 | 2.68E-01 | 1.54E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 |
| R_Marrow | 2.89E-03 | 2.92E-02 | 6.68E-02 | 8.02E-02 | 5.20E-02 | 3.37E-02 | 3.46E-02 | 3.54E-02 | 3.24E-02 | 2.95E-02 | 2.73E-02 | 2.34E-02 |
| Skin | 3.69E-03 | 1.41E-02 | 3.66E-02 | 5.03E-02 | 3.27E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.13E-02 | 1.88E-02 | |
| Spleen | 1.96E-02 | 1.62E-01 | 3.19E-01 | 2.80E-01 | 1.45E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| Testes | 0.0 | 0.0 | 5.03E-06 | 9.91E-04 | 2.37E-03 | 3.26E-03 | 3.74E-03 | 4.04E-03 | 4.18E-03 | 4.27E-03 | 4.30E-03 | 4.17E-03 |
| Thymus | 1.26E-04 | 3.84E-02 | 1.63E-01 | 2.45E-01 | 1.37E-01 | 8.11E-02 | 7.83E-02 | 7.85E-02 | 7.84E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| Thyroid | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| GB_Wall | 4.26E-07 | 3.15E-03 | 4.33E-02 | 1.26E-01 | 8.70E-02 | 5.53E-02 | 5.09E-02 | 5.02E-02 | 5.04E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| Ht_Wall | 8.51E-02 | 4.14E-01 | 6.76E-01 | 5.64E-01 | 2.63E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 | 9.09E-02 |
| Uterus | 0.0 | 2.59E-07 | 3.24E-04 | 6.57E-03 | 1.55E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| Source = BBi-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 | 3.08E-02 | 2.67E-01 | 4.60E-01 | 3.76E-01 | 2.01E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 | |
| UB_Wall | 0.0 | 1.67E-08 | 6.84E-05 | 3.47E-03 | 6.09E-03 | 7.49E-03 | 7.94E-03 | 8.30E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| Bone_Sur | 1.88E-02 | 2.07E-01 | 5.10E-01 | 6.45E-01 | 3.44E-01 | 9.95E-02 | 5.81E-02 | 5.23E-02 | 4.74E-02 | 4.31E-02 | 4.03E-02 | 3.54E-02 |
| Brain | 0.0 | 1.74E-07 | 1.23E-04 | 3.23E-03 | 6.70E-03 | 5.60E-03 | 5.64E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| Breasts | 6.81E-03 | 1.34E-01 | 3.07E-01 | 2.77E-01 | 1.33E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.49E-02 | 8.41E-02 | 8.03E-02 | 5.99E-02 |
| St_Wall | 1.95E-03 | 3.79E-02 | 1.10E-01 | 1.57E-01 | 9.74E-02 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| SI_Wall | 0.0 | 2.62E-05 | 2.52E-03 | 2.43E-02 | 3.10E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| ULI_Wall | 0.0 | 4.86E-05 | 6.08E-03 | 2.94E-02 | 3.21E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| LLI_Wall | 0.0 | 2.07E-06 | 4.79E-04 | 7.87E-03 | 1.06E-02 | 9.24E-03 | 8.78E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| Kidneys | 2.06E-06 | 5.92E-03 | 4.19E-02 | 9.83E-02 | 7.15E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 |
| Liver | 4.11E-02 | 1.98E-01 | 3.09E-01 | 2.62E-01 | 1.34E-01 | 7.73E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| ET1-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| ET2-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| LN-ET | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| BBi-bas | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| BBi-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| bbe-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| AI | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| LN-Th | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Lng_Tiss | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| 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 | 9.68E-02 | 1.85E-01 | 1.97E-01 | 1.42E-01 | 7.06E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 3.98E-02 | 3.71E-02 | 2.95E-02 |
| Ovaries | 0.0 | 4.87E-07 | 4.26E-04 | 5.98E-03 | 1.61E-02 | 1.19E-02 | 1.28E-02 | 1.55E-02 | 1.51E-02 | 1.33E-02 | 1.20E-02 | 9.64E-03 |
| Pancreas | 1.14E-04 | 4.78E-02 | 1.85E-01 | 2.68E-01 | 1.54E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 |
| R_Marrow | 2.89E-03 | 2.92E-02 | 6.68E-02 | 8.02E-02 | 5.20E-02 | 3.37E-02 | 3.46E-02 | 3.54E-02 | 3.24E-02 | 2.95E-02 | 2.73E-02 | 2.34E-02 |
| Skin | 3.69E-03 | 1.41E-02 | 3.66E-02 | 5.03E-02 | 3.27E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.13E-02 | 1.88E-02 | |
| Spleen | 1.96E-02 | 1.62E-01 | 3.19E-01 | 2.80E-01 | 1.45E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| Testes | 0.0 | 0.0 | 5.03E-06 | 9.91E-04 | 2.37E-03 | 3.26E-03 | 3.74E-03 | 4.04E-03 | 4.18E-03 | 4.27E-03 | 4.30E-03 | 4.17E-03 |
| Thymus | 1.26E-04 | 3.84E-02 | 1.63E-01 | 2.45E-01 | 1.37E-01 | 8.11E-02 | 7.83E-02 | 7.85E-02 | 7.84E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| Thyroid | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| GB_Wall | 4.26E-07 | 3.15E-03 | 4.33E-02 | 1.26E-01 | 8.70E-02 | 5.53E-02 | 5.09E-02 | 5.02E-02 | 5.04E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| Ht_Wall | 8.51E-02 | 4.14E-01 | 6.76E-01 | 5.64E-01 | 2.63E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 | 9.09E-02 |
| Uterus | 0.0 | 2.59E-07 | 3.24E-04 | 6.57E-03 | 1.55E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 3.08E-02 | 2.67E-01 | 4.60E-01 | 3.76E-01 | 2.01E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 | |
| UB_Wall1 | 0.0 | 1.67E-08 | 6.84E-05 | 3.47E-03 | 6.09E-03 | 7.49E-03 | 7.94E-03 | 8.30E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| Bone_Sur | 1.88E-02 | 2.07E-01 | 5.10E-01 | 6.45E-01 | 3.44E-01 | 9.95E-02 | 5.81E-02 | 5.23E-02 | 4.74E-02 | 4.31E-02 | 4.03E-02 | 3.54E-02 |
| Brain | 0.0 | 1.74E-07 | 1.23E-04 | 3.23E-03 | 6.70E-03 | 5.60E-03 | 5.64E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| Breasts | 6.81E-03 | 1.34E-01 | 3.07E-01 | 2.77E-01 | 1.33E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.49E-02 | 8.41E-02 | 8.03E-02 | 5.99E-02 |
| St_Wall1 | 1.95E-03 | 3.79E-02 | 1.10E-01 | 1.57E-01 | 9.74E-02 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| SI_Wall1 | 0.0 | 2.62E-05 | 2.52E-03 | 2.43E-02 | 3.10E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| ULI_Wall1 | 0.0 | 4.86E-05 | 6.08E-03 | 2.94E-02 | 3.21E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| LLI_Wall1 | 0.0 | 2.07E-06 | 4.79E-04 | 7.87E-03 | 1.06E-02 | 9.24E-03 | 8.78E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| Kidneys | 2.06E-06 | 5.92E-03 | 4.19E-02 | 9.83E-02 | 7.15E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 |
| Liver | 4.11E-02 | 1.98E-01 | 3.09E-01 | 2.62E-01 | 1.34E-01 | 7.73E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| ET1-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| ET2-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| LN-ET | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| BBi-bas | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| BBi-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| bbe-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| AI | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| LN-Th | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Lng_Tiss | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| 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 | 9.68E-02 | 1.85E-01 | 1.97E-01 | 1.42E-01 | 7.06E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 3.98E-02 | 3.71E-02 | 2.95E-02 |
| Ovaries | 0.0 | 4.87E-07 | 4.26E-04 | 5.98E-03 | 1.61E-02 | 1.19E-02 | 1.28E-02 | 1.55E-02 | 1.51E-02 | 1.33E-02 | 1.20E-02 | 9.64E-03 |
| Pancreas | 1.14E-04 | 4.78E-02 | 1.85E-01 | 2.68E-01 | 1.54E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 |
| R_Marrow | 2.89E-03 | 2.92E-02 | 6.68E-02 | 8.02E-02 | 5.20E-02 | 3.37E-02 | 3.46E-02 | 3.54E-02 | 3.24E-02 | 2.95E-02 | 2.73E-02 | 2.34E-02 |
| Skin | 3.69E-03 | 1.41E-02 | 3.66E-02 | 5.03E-02 | 3.27E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.13E-02 | 1.88E-02 | |
| Spleen | 1.96E-02 | 1.62E-01 | 3.19E-01 | 2.80E-01 | 1.45E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| Testes | 0.0 | 0.0 | 5.03E-06 | 9.91E-04 | 2.37E-03 | 3.26E-03 | 3.74E-03 | 4.04E-03 | 4.18E-03 | 4.27E-03 | 4.30E-03 | 4.17E-03 |
| Thymus | 1.26E-04 | 3.84E-02 | 1.63E-01 | 2.45E-01 | 1.37E-01 | 8.11E-02 | 7.83E-02 | 7.85E-02 | 7.84E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| Thyroid | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| GB_Wall1 | 4.26E-07 | 3.15E-03 | 4.33E-02 | 1.26E-01 | 8.70E-02 | 5.53E-02 | 5.09E-02 | 5.02E-02 | 5.04E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| Ht_Wall1 | 8.51E-02 | 4.14E-01 | 6.76E-01 | 5.64E-01 | 2.63E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 | 9.09E-02 |
| Uterus | 0.0 | 2.59E-07 | 3.24E-04 | 6.57E-03 | 1.55E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 3.08E-02 | 2.67E-01 | 4.60E-01 | 3.76E-01 | 2.01E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 | |
| UB_Wall | 0.0 | 1.67E-08 | 6.84E-05 | 3.47E-03 | 6.09E-03 | 7.49E-03 | 7.94E-03 | 8.30E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| Bone_Sur | 1.88E-02 | 2.07E-01 | 5.10E-01 | 6.45E-01 | 3.44E-01 | 9.95E-02 | 5.81E-02 | 5.23E-02 | 4.74E-02 | 4.31E-02 | 4.03E-02 | 3.54E-02 |
| Brain | 0.0 | 1.74E-07 | 1.23E-04 | 3.23E-03 | 6.70E-03 | 5.60E-03 | 5.64E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| Breasts | 6.81E-03 | 1.34E-01 | 3.07E-01 | 2.77E-01 | 1.33E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.49E-02 | 8.41E-02 | 8.03E-02 | 5.99E-02 |
| St_Wall | 1.95E-03 | 3.79E-02 | 1.10E-01 | 1.57E-01 | 9.74E-02 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| SI_Wall | 0.0 | 2.62E-05 | 2.52E-03 | 2.43E-02 | 3.10E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| ULI_Wall | 0.0 | 4.86E-05 | 6.08E-03 | 2.94E-02 | 3.21E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| LLI_Wall | 0.0 | 2.07E-06 | 4.79E-04 | 7.87E-03 | 1.06E-02 | 9.24E-03 | 8.78E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| Kidneys | 2.06E-06 | 5.92E-03 | 4.19E-02 | 9.83E-02 | 7.15E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 |
| Liver | 4.11E-02 | 1.98E-01 | 3.09E-01 | 2.62E-01 | 1.34E-01 | 7.73E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| ET1-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| ET2-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| LN-ET | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| BBi-bas | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| BBi-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| bbe-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| AI | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| LN-Th | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Lng_Tiss | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| 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 | 9.68E-02 | 1.85E-01 | 1.97E-01 | 1.42E-01 | 7.06E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 3.98E-02 | 3.71E-02 | 2.95E-02 |
| Ovaries | 0.0 | 4.87E-07 | 4.26E-04 | 5.98E-03 | 1.61E-02 | 1.19E-02 | 1.28E-02 | 1.55E-02 | 1.51E-02 | 1.33E-02 | 1.20E-02 | 9.64E-03 |
| Pancreas | 1.14E-04 | 4.78E-02 | 1.85E-01 | 2.68E-01 | 1.54E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 |
| R_Marrow | 2.89E-03 | 2.92E-02 | 6.68E-02 | 8.02E-02 | 5.20E-02 | 3.37E-02 | 3.46E-02 | 3.54E-02 | 3.24E-02 | 2.95E-02 | 2.73E-02 | 2.34E-02 |
| Skin | 3.69E-03 | 1.41E-02 | 3.66E-02 | 5.03E-02 | 3.27E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.13E-02 | 1.88E-02 | |
| Spleen | 1.96E-02 | 1.62E-01 | 3.19E-01 | 2.80E-01 | 1.45E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| Testes | 0.0 | 0.0 | 5.03E-06 | 9.91E-04 | 2.37E-03 | 3.26E-03 | 3.74E-03 | 4.04E-03 | 4.18E-03 | 4.27E-03 | 4.30E-03 | 4.17E-03 |
| Thymus | 1.26E-04 | 3.84E-02 | 1.63E-01 | 2.45E-01 | 1.37E-01 | 8.11E-02 | 7.83E-02 | 7.85E-02 | 7.84E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| Thyroid | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| GB_Wall | 4.26E-07 | 3.15E-03 | 4.33E-02 | 1.26E-01 | 8.70E-02 | 5.53E-02 | 5.09E-02 | 5.02E-02 | 5.04E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| Ht_Wall | 8.51E-02 | 4.14E-01 | 6.76E-01 | 5.64E-01 | 2.63E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 | 9.09E-02 |
| Uterus | 0.0 | 2.59E-07 | 3.24E-04 | 6.57E-03 | 1.55E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 3.08E-02 | 2.67E-01 | 4.60E-01 | 3.76E-01 | 2.01E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 | |
| UB_Wall | 0.0 | 1.67E-08 | 6.84E-05 | 3.47E-03 | 6.09E-03 | 7.49E-03 | 7.94E-03 | 8.30E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| Bone_Sur | 1.88E-02 | 2.07E-01 | 5.10E-01 | 6.45E-01 | 3.44E-01 | 9.95E-02 | 5.81E-02 | 5.23E-02 | 4.74E-02 | 4.31E-02 | 4.03E-02 | 3.54E-02 |
| Brain | 0.0 | 1.74E-07 | 1.23E-04 | 3.23E-03 | 6.70E-03 | 5.60E-03 | 5.64E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| Breasts | 6.81E-03 | 1.34E-01 | 3.07E-01 | 2.77E-01 | 1.33E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.49E-02 | 8.41E-02 | 8.03E-02 | 5.99E-02 |
| St_Wall | 1.95E-03 | 3.79E-02 | 1.10E-01 | 1.57E-01 | 9.74E-02 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| SI_Wall | 0.0 | 2.62E-05 | 2.52E-03 | 2.43E-02 | 3.10E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| ULI_Wall | 0.0 | 4.86E-05 | 6.08E-03 | 2.94E-02 | 3.21E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| LLI_Wall | 0.0 | 2.07E-06 | 4.79E-04 | 7.87E-03 | 1.06E-02 | 9.24E-03 | 8.78E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| Kidneys | 2.06E-06 | 5.92E-03 | 4.19E-02 | 9.83E-02 | 7.15E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 |
| Liver | 4.11E-02 | 1.98E-01 | 3.09E-01 | 2.62E-01 | 1.34E-01 | 7.73E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| ET1-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| ET2-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| LN-ET | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| BBi-bas | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| BBi-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| bbe-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| AI | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| LN-Th | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Lng_Tiss | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| 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 | 9.68E-02 | 1.85E-01 | 1.97E-01 | 1.42E-01 | 7.06E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 4.98E-02 | 3.71E-02 | 2.95E-02 |
| Ovaries | 0.0 | 4.87E-07 | 4.26E-04 | 5.98E-03 | 1.61E-02 | 1.19E-02 | 1.28E-02 | 1.55E-02 | 1.51E-02 | 1.33E-02 | 1.20E-02 | 9.64E-03 |
| Pancreas | 1.14E-04 | 4.78E-02 | 1.85E-01 | 2.68E-01 | 1.54E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 |
| R_Marrow | 2.89E-03 | 2.92E-02 | 6.68E-02 | 8.02E-02 | 5.20E-02 | 3.37E-02 | 3.46E-02 | 3.54E-02 | 3.24E-02 | 2.95E-02 | 2.73E-02 | 2.34E-02 |
| Skin | 3.69E-03 | 1.41E-02 | 3.66E-02 | 5.03E-02 | 3.27E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.13E-02 | 1.88E-02 | |
| Spleen | 1.96E-02 | 1.62E-01 | 3.19E-01 | 2.80E-01 | 1.45E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| Testes | 0.0 | 0.0 | 5.03E-06 | 9.91E-04 | 2.37E-03 | 3.26E-03 | 3.74E-03 | 4.04E-03 | 4.18E-03 | 4.27E-03 | 4.30E-03 | 4.17E-03 |
| Thymus | 1.26E-04 | 3.84E-02 | 1.63E-01 | 2.45E-01 | 1.37E-01 | 8.11E-02 | 7.83E-02 | 7.85E-02 | 7.84E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| Thyroid | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| GB_Wall | 4.26E-07 | 3.15E-03 | 4.33E-02 | 1.26E-01 | 8.70E-02 | 5.53E-02 | 5.09E-02 | 5.02E-02 | 5.04E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| Ht_Wall | 8.51E-02 | 4.14E-01 | 6.76E-01 | 5.64E-01 | 2.63E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 | 9.09E-02 |
| Uterus | 0.0 | 2.59E-07 | 3.24E-04 | 6.57E-03 | 1.55E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 3.08E-02 | 2.67E-01 | 4.60E-01 | 3.76E-01 | 2.01E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 | |
| UB_Wall | 0.0 | 1.67E-08 | 6.84E-05 | 3.47E-03 | 6.09E-03 | 7.49E-03 | 7.94E-03 | 8.30E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| Bone_Sur | 1.88E-02 | 2.07E-01 | 5.10E-01 | 6.45E-01 | 3.44E-01 | 9.95E-02 | 5.81E-02 | 5.23E-02 | 4.74E-02 | 4.31E-02 | 4.03E-02 | 3.54E-02 |
| Brain | 0.0 | 1.74E-07 | 1.23E-04 | 3.23E-03 | 6.70E-03 | 5.60E-03 | 5.64E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| Breasts | 6.81E-03 | 1.34E-01 | 3.07E-01 | 2.77E-01 | 1.33E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.49E-02 | 8.41E-02 | 8.03E-02 | 5.99E-02 |
| St_Wall | 1.95E-03 | 3.79E-02 | 1.10E-01 | 1.57E-01 | 9.74E-02 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| SI_Wall | 0.0 | 2.62E-05 | 2.52E-03 | 2.43E-02 | 3.10E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| ULI_Wall | 0.0 | 4.86E-05 | 6.08E-03 | 2.94E-02 | 3.21E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| LLI_Wall | 0.0 | 2.07E-06 | 4.79E-04 | 7.87E-03 | 1.06E-02 | 9.24E-03 | 8.78E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| Kidneys | 2.06E-06 | 5.92E-03 | 4.19E-02 | 9.83E-02 | 7.15E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 |
| Liver | 4.11E-02 | 1.98E-01 | 3.09E-01 | 2.62E-01 | 1.34E-01 | 7.73E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| ET1-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| ET2-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| LN-ET | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| BBi-bas | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| BBi-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| bbe-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| AI | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| LN-Th | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Lng_Tiss | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| 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 | 9.68E-02 | 1.85E-01 | 1.97E-01 | 1.42E-01 | 7.06E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 3.98E-02 | 3.71E-02 | 2.95E-02 |
| Ovaries | 0.0 | 4.87E-07 | 4.26E-04 | 5.98E-03 | 1.61E-02 | 1.19E-02 | 1.28E-02 | 1.55E-02 | 1.51E-02 | 1.33E-02 | 1.20E-02 | 9.64E-03 |
| Pancreas | 1.14E-04 | 4.78E-02 | 1.85E-01 | 2.68E-01 | 1.54E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 |
| R_Marrow | 2.89E-03 | 2.92E-02 | 6.68E-02 | 8.02E-02 | 5.20E-02 | 3.37E-02 | 3.46E-02 | 3.54E-02 | 3.24E-02 | 2.95E-02 | 2.73E-02 | 2.34E-02 |
| Skin | 3.69E-03 | 1.41E-02 | 3.66E-02 | 5.03E-02 | 3.27E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.13E-02 | 1.88E-02 | |
| Spleen | 1.96E-02 | 1.62E-01 | 3.19E-01 | 2.80E-01 | 1.45E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| Testes | 0.0 | 0.0 | 5.03E-06 | 9.91E-04 | 2.37E-03 | 3.26E-03 | 3.74E-03 | 4.04E-03 | 4.18E-03 | 4.27E-03 | 4.30E-03 | 4.17E-03 |
| Thymus | 1.26E-04 | 3.84E-02 | 1.63E-01 | 2.45E-01 | 1.37E-01 | 8.11E-02 | 7.83E-02 | 7.85E-02 | 7.84E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| Thyroid | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| GB_Wall | 4.26E-07 | 3.15E-03 | 4.33E-02 | 1.26E-01 | 8.70E-02 | 5.53E-02 | 5.09E-02 | 5.02E-02 | 5.04E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| Ht_Wall | 8.51E-02 | 4.14E-01 | 6.76E-01 | 5.64E-01 | 2.63E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 | 9.09E-02 |
| Uterus | 0.0 | 2.59E-07 | 3.24E-04 | 6.57E-03 | 1.55E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| Source = bbe-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 | 3.08E-02 | 2.67E-01 | 4.60E-01 | 3.76E-01 | 2.01E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 | |
| UB_Wall | 0.0 | 1.67E-08 | 6.84E-05 | 3.47E-03 | 6.09E-03 | 7.49E-03 | 7.94E-03 | 8.30E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| Bone_Sur | 1.88E-02 | 2.07E-01 | 5.10E-01 | 6.45E-01 | 3.44E-01 | 9.95E-02 | 5.81E-02 | 5.23E-02 | 4.74E-02 | 4.31E-02 | 4.03E-02 | 3.54E-02 |
| Brain | 0.0 | 1.74E-07 | 1.23E-04 | 3.23E-03 | 6.70E-03 | 5.60E-03 | 5.64E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| Breasts | 6.81E-03 | 1.34E-01 | 3.07E-01 | 2.77E-01 | 1.33E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.49E-02 | 8.03E-02 | 5.99E-02 | |
| St_Wall | 1.95E-03 | 3.79E-02 | 1.10E-01 | 1.57E-01 | 9.74E-02 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| SI_Wall | 0.0 | 2.62E-05 | 2.52E-03 | 2.43E-02 | 3.10E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| ULI_Wall | 0.0 | 4.86E-05 | 6.08E-03 | 2.94E-02 | 3.21E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| LLI_Wall | 0.0 | 2.07E-06 | 4.79E-04 | 7.87E-03 | 1.06E-02 | 9.24E-03 | 8.78E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| Kidneys | 2.06E-06 | 5.92E-03 | 4.19E-02 | 9.83E-02 | 7.15E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 |
| Liver | 4.11E-02 | 1.98E-01 | 3.09E-01 | 2.62E-01 | 1.34E-01 | 7.73E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| ET1-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| ET2-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| LN-ET | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| BBi-bas | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| BBi-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| bbe-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| AI | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| LN-Th | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Lng_Tiss | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| 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 | 9.68E-02 | 1.85E-01 | 1.97E-01 | 1.42E-01 | 7.06E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 3.98E-02 | 3.71E-02 | 2.95E-02 |
| Ovaries | 0.0 | 4.87E-07 | 4.26E-04 | 5.98E-03 | 1.61E-02 | 1.19E-02 | 1.28E-02 | 1.55E-02 | 1.51E-02 | 1.33E-02 | 1.20E-02 | 9.64E-03 |
| Pancreas | 1.14E-04 | 4.78E-02 | 1.85E-01 | 2.68E-01 | 1.54E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 |
| R_Marrow | 2.89E-03 | 2.92E-02 | 6.68E-02 | 8.02E-02 | 5.20E-02 | 3.37E-02 | 3.46E-02 | 3.54E-02 | 3.24E-02 | 2.95E-02 | 2.73E-02 | 2.34E-02 |
| Skin | 3.69E-03 | 1.41E-02 | 3.66E-02 | 5.03E-02 | 3.27E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.13E-02 | 1.88E-02 | |
| Spleen | 1.96E-02 | 1.62E-01 | 3.19E-01 | 2.80E-01 | 1.45E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| Testes | 0.0 | 0.0 | 5.03E-06 | 9.91E-04 | 2.37E-03 | 3.26E-03 | 3.74E-03 | 4.04E-03 | 4.18E-03 | 4.27E-03 | 4.30E-03 | 4.17E-03 |
| Thymus | 1.26E-04 | 3.84E-02 | 1.63E-01 | 2.45E-01 | 1.37E-01 | 8.11E-02 | 7.83E-02 | 7.85E-02 | 7.84E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| Thyroid | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| GB_Wall | 4.26E-07 | 3.15E-03 | 4.33E-02 | 1.26E-01 | 8.70E-02 | 5.53E-02 | 5.09E-02 | 5.02E-02 | 5.04E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| Ht_Wall | 8.51E-02 | 4.14E-01 | 6.76E-01 | 5.64E-01 | 2.63E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 | 9.09E-02 |
| Uterus | 0.0 | 2.59E-07 | 3.24E-04 | 6.57E-03 | 1.55E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 |
| Adrenals | 3.08E-02 | 2.67E-01 | 4.60E-01 | 3.76E-01 | 2.01E-01 | 1.16E-01 | 1.15E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 |
| UB_Wall | 0.0 | 1.67E-08 | 6.84E-05 | 3.47E-03 | 6.09E-03 | 7.49E-03 | 7.94E-03 | 8.30E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| Bone_Sur | 1.88E-02 | 2.07E-01 | 5.10E-01 | 6.45E-01 | 3.44E-01 | 9.95E-02 | 5.81E-02 | 5.23E-02 | 4.74E-02 | 4.31E-02 | 4.03E-02 | 3.54E-02 |
| Brain | 0.0 | 1.74E-07 | 1.23E-04 | 3.23E-03 | 6.70E-03 | 5.60E-03 | 5.64E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| Breasts | 6.81E-03 | 1.34E-01 | 3.07E-01 | 2.77E-01 | 1.33E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.49E-02 | 8.41E-02 | 8.03E-02 | 5.99E-02 |
| St_Wall | 1.95E-03 | 3.79E-02 | 1.10E-01 | 1.57E-01 | 9.74E-02 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| SI_Wall | 0.0 | 2.62E-05 | 2.52E-03 | 2.43E-02 | 3.10E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| ULI_Wall | 0.0 | 4.86E-05 | 6.08E-03 | 2.94E-02 | 3.21E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| LLI_Wall | 0.0 | 2.07E-06 | 4.79E-04 | 7.87E-03 | 1.06E-02 | 9.24E-03 | 8.78E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| Kidneys | 2.06E-06 | 5.92E-03 | 4.19E-02 | 9.83E-02 | 7.15E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 |
| Liver | 4.11E-02 | 1.98E-01 | 3.09E-01 | 2.62E-01 | 1.34E-01 | 7.73E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| ET1-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| ET2-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| LN-ET | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| BBi-bas | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| BBi-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| bbe-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| AI | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| LN-Th | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Lng_Tiss | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| 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 | 9.68E-02 | 1.85E-01 | 1.97E-01 | 1.42E-01 | 7.06E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 3.98E-02 | 3.71E-02 | 2.95E-02 |
| Ovaries | 0.0 | 4.87E-07 | 4.26E-04 | 5.98E-03 | 1.61E-02 | 1.19E-02 | 1.28E-02 | 1.55E-02 | 1.51E-02 | 1.33E-02 | 1.20E-02 | 9.64E-03 |
| Pancreas | 1.14E-04 | 4.78E-02 | 1.85E-01 | 2.68E-01 | 1.54E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 |
| R_Marrow | 2.89E-03 | 2.92E-02 | 6.68E-02 | 8.02E-02 | 5.20E-02 | 3.37E-02 | 3.46E-02 | 3.54E-02 | 3.24E-02 | 2.95E-02 | 2.73E-02 | 2.34E-02 |
| Skin | 3.69E-03 | 1.41E-02 | 3.66E-02 | 5.03E-02 | 3.27E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.13E-02 | 1.88E-02 | 1.88E-02 |
| Spleen | 1.96E-02 | 1.62E-01 | 3.19E-01 | 2.80E-01 | 1.45E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| Testes | 0.0 | 0.0 | 5.03E-06 | 9.91E-04 | 2.37E-03 | 3.26E-03 | 3.74E-03 | 4.04E-03 | 4.18E-03 | 4.27E-03 | 4.30E-03 | 4.17E-03 |
| Thymus | 1.26E-04 | 3.84E-02 | 1.63E-01 | 2.45E-01 | 1.37E-01 | 8.11E-02 | 7.83E-02 | 7.85E-02 | 7.84E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| Thyroid | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| GB_Wall | 4.26E-07 | 3.15E-03 | 4.33E-02 | 1.26E-01 | 8.70E-02 | 5.53E-02 | 5.09E-02 | 5.02E-02 | 5.04E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| Ht_Wall | 8.51E-02 | 4.14E-01 | 6.76E-01 | 5.64E-01 | 2.63E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 | 9.09E-02 |
| Uterus | 0.0 | 2.59E-07 | 3.24E-04 | 6.57E-03 | 1.55E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 3.08E-02 | 2.67E-01 | 4.60E-01 | 3.76E-01 | 2.01E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 | |
| UB_Wall | 0.0 | 1.67E-08 | 6.84E-05 | 3.47E-03 | 6.09E-03 | 7.49E-03 | 7.94E-03 | 8.30E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| Bone_Sur | 1.88E-02 | 2.07E-01 | 5.10E-01 | 6.45E-01 | 3.44E-01 | 9.95E-02 | 5.81E-02 | 5.23E-02 | 4.74E-02 | 4.31E-02 | 4.03E-02 | 3.54E-02 |
| Brain | 0.0 | 1.74E-07 | 1.23E-04 | 3.23E-03 | 6.70E-03 | 5.60E-03 | 5.64E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| Breasts | 6.81E-03 | 1.34E-01 | 3.07E-01 | 2.77E-01 | 1.33E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.49E-02 | 8.03E-02 | 5.99E-02 | |
| St_Wall | 1.95E-03 | 3.79E-02 | 1.10E-01 | 1.57E-01 | 9.74E-02 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| SI_Wall | 0.0 | 2.62E-05 | 2.52E-03 | 2.43E-02 | 3.10E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| ULI_Wall | 0.0 | 4.86E-05 | 6.08E-03 | 2.94E-02 | 3.21E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| LLI_Wall | 0.0 | 2.07E-06 | 4.79E-04 | 7.87E-03 | 1.06E-02 | 9.24E-03 | 8.78E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| Kidneys | 2.06E-06 | 5.92E-03 | 4.19E-02 | 9.83E-02 | 7.15E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 |
| Liver | 4.11E-02 | 1.98E-01 | 3.09E-01 | 2.62E-01 | 1.34E-01 | 7.34E-01 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| ET1-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| ET2-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| LN-ET | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| BBi-bas | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| BBi-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| bbe-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| AI | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| LN-Th | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Lng_Tiss | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| 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 | 9.68E-02 | 1.85E-01 | 1.97E-01 | 1.42E-01 | 7.06E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 3.98E-02 | 3.71E-02 | 2.95E-02 |
| Ovaries | 0.0 | 4.87E-07 | 4.26E-04 | 5.98E-03 | 1.61E-02 | 1.19E-02 | 1.28E-02 | 1.55E-02 | 1.51E-02 | 1.33E-02 | 1.20E-02 | 9.64E-03 |
| Pancreas | 1.14E-04 | 4.78E-02 | 1.85E-01 | 2.68E-01 | 1.54E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 |
| R_Marrow | 2.89E-03 | 2.92E-02 | 6.68E-02 | 8.02E-02 | 5.20E-02 | 3.37E-02 | 3.46E-02 | 3.54E-02 | 3.24E-02 | 2.95E-02 | 2.73E-02 | 2.34E-02 |
| Skin | 3.69E-03 | 1.41E-02 | 3.66E-02 | 5.03E-02 | 3.27E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.13E-02 | 1.88E-02 | |
| Spleen | 1.96E-02 | 1.62E-01 | 3.19E-01 | 2.80E-01 | 1.45E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| Testes | 0.0 | 0.0 | 5.03E-06 | 9.91E-04 | 2.37E-03 | 3.26E-03 | 3.74E-03 | 4.04E-03 | 4.18E-03 | 4.27E-03 | 4.30E-03 | 4.17E-03 |
| Thymus | 1.26E-04 | 3.84E-02 | 1.63E-01 | 2.45E-01 | 1.37E-01 | 8.11E-02 | 7.83E-02 | 7.85E-02 | 7.84E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| Thyroid | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| GB_Wall | 4.26E-07 | 3.15E-03 | 4.33E-02 | 1.26E-01 | 8.70E-02 | 5.53E-02 | 5.09E-02 | 5.02E-02 | 5.04E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| Ht_Wall | 8.51E-02 | 4.14E-01 | 6.76E-01 | 5.64E-01 | 2.63E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 | 9.09E-02 |
| Uterus | 0.0 | 2.59E-07 | 3.24E-04 | 6.57E-03 | 1.55E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 3.08E-02 | 2.67E-01 | 4.60E-01 | 3.76E-01 | 2.01E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 | |
| UB_Wall | 0.0 | 1.67E-08 | 6.84E-05 | 3.47E-03 | 6.09E-03 | 7.49E-03 | 7.94E-03 | 8.30E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| Bone_Sur | 1.88E-02 | 2.07E-01 | 5.10E-01 | 6.45E-01 | 3.44E-01 | 9.95E-02 | 5.81E-02 | 5.23E-02 | 4.74E-02 | 4.31E-02 | 4.03E-02 | 3.54E-02 |
| Brain | 0.0 | 1.74E-07 | 1.23E-04 | 3.23E-03 | 6.70E-03 | 5.60E-03 | 5.64E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| Breasts | 6.81E-03 | 1.34E-01 | 3.07E-01 | 2.77E-01 | 1.33E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.49E-02 | 8.03E-02 | 5.99E-02 | |
| St_Wall | 1.95E-03 | 3.79E-02 | 1.10E-01 | 1.57E-01 | 9.74E-02 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| SI_Wall | 0.0 | 2.62E-05 | 2.52E-03 | 2.43E-02 | 3.10E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| ULI_Wall | 0.0 | 4.86E-05 | 6.08E-03 | 2.94E-02 | 3.21E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| LLI_Wall | 0.0 | 2.07E-06 | 4.79E-04 | 7.87E-03 | 1.06E-02 | 9.24E-03 | 8.78E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| Kidneys | 2.06E-06 | 5.92E-03 | 4.19E-02 | 9.83E-02 | 7.15E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 |
| Liver | 4.11E-02 | 1.98E-01 | 3.09E-01 | 2.62E-01 | 1.34E-01 | 7.73E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| ET1-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| ET2-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| LN-ET | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| BBi-bas | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| BBi-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| bbe-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| AI | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| LN-Th | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Lng_Tiss | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| 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 | 9.68E-02 | 1.85E-01 | 1.97E-01 | 1.42E-01 | 7.06E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 3.98E-02 | 3.71E-02 | 2.95E-02 |
| Ovaries | 0.0 | 4.87E-07 | 4.26E-04 | 5.98E-03 | 1.61E-02 | 1.19E-02 | 1.28E-02 | 1.55E-02 | 1.51E-02 | 1.33E-02 | 1.20E-02 | 9.64E-03 |
| Pancreas | 1.14E-04 | 4.78E-02 | 1.85E-01 | 2.68E-01 | 1.54E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 |
| R_Marrow | 2.89E-03 | 2.92E-02 | 6.68E-02 | 8.02E-02 | 5.20E-02 | 3.37E-02 | 3.46E-02 | 3.54E-02 | 3.24E-02 | 2.95E-02 | 2.73E-02 | 2.34E-02 |
| Skin | 3.69E-03 | 1.41E-02 | 3.66E-02 | 5.03E-02 | 3.27E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.13E-02 | 1.88E-02 | |
| Spleen | 1.96E-02 | 1.62E-01 | 3.19E-01 | 2.80E-01 | 1.45E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| Testes | 0.0 | 0.0 | 5.03E-06 | 9.91E-04 | 2.37E-03 | 3.26E-03 | 3.74E-03 | 4.04E-03 | 4.18E-03 | 4.27E-03 | 4.30E-03 | 4.17E-03 |
| Thymus | 1.26E-04 | 3.84E-02 | 1.63E-01 | 2.45E-01 | 1.37E-01 | 8.11E-02 | 7.83E-02 | 7.85E-02 | 7.84E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| Thyroid | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| GB_Wall | 4.26E-07 | 3.15E-03 | 4.33E-02 | 1.26E-01 | 8.70E-02 | 5.53E-02 | 5.09E-02 | 5.02E-02 | 5.04E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| Ht_Wall | 8.51E-02 | 4.14E-01 | 6.76E-01 | 5.64E-01 | 2.63E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 | 9.09E-02 |
| Uterus | 0.0 | 2.59E-07 | 3.24E-04 | 6.57E-03 | 1.55E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| Source = Lng_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 | 3.08E-02 | 2.67E-01 | 4.60E-01 | 3.76E-01 | 2.01E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 | |
| UB_Wall | 0.0 | 1.67E-08 | 6.84E-05 | 3.47E-03 | 6.09E-03 | 7.49E-03 | 7.94E-03 | 8.30E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| Bone_Sur | 1.88E-02 | 2.07E-01 | 5.10E-01 | 6.45E-01 | 3.44E-01 | 9.95E-02 | 5.81E-02 | 5.23E-02 | 4.74E-02 | 4.31E-02 | 4.03E-02 | 3.54E-02 |
| Brain | 0.0 | 1.74E-07 | 1.23E-04 | 3.23E-03 | 6.70E-03 | 5.60E-03 | 5.64E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| Breasts | 6.81E-03 | 1.34E-01 | 3.07E-01 | 2.77E-01 | 1.33E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.49E-02 | 8.41E-02 | 8.03E-02 | 5.99E-02 |
| St_Wall | 1.95E-03 | 3.79E-02 | 1.10E-01 | 1.57E-01 | 9.74E-02 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| SI_Wall | 0.0 | 2.62E-05 | 2.52E-03 | 2.43E-02 | 3.10E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| ULI_Wall | 0.0 | 4.86E-05 | 6.08E-03 | 2.94E-02 | 3.21E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| LLI_Wall | 0.0 | 2.07E-06 | 4.79E-04 | 7.87E-03 | 1.06E-02 | 9.24E-03 | 8.78E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| Kidneys | 2.06E-06 | 5.92E-03 | 4.19E-02 | 9.83E-02 | 7.15E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 |
| Liver | 4.11E-02 | 1.98E-01 | 3.09E-01 | 2.62E-01 | 1.34E-01 | 7.65E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| ET1-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| ET2-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| LN-ET | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| BBi-bas | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| BBi-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| bbe-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| AI | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| LN-Th | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Lng_Tiss | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Lung_NP | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| Lung_TB | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Lung_P | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Muscle | 9.68E-02 | 1.85E-01 | 1.97E-01 | 1.42E-01 | 7.06E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 3.98E-02 | 3.71E-02 | 2.95E-02 |
| Ovaries | 0.0 | 4.87E-07 | 4.26E-04 | 5.98E-03 | 1.61E-02 | 1.19E-02 | 1.28E-02 | 1.55E-02 | 1.51E-02 | 1.33E-02 | 1.20E-02 | 9.64E-03 |
| Pancreas | 1.14E-04 | 4.78E-02 | 1.85E-01 | 2.68E-01 | 1.54E-01 | 9.11E-02 | 8.97E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 | |
| R_Marrow | 2.89E-03 | 2.92E-02 | 6.68E-02 | 8.02E-02 | 5.20E-02 | 3.37E-02 | 3.46E-02 | 3.54E-02 | 3.24E-02 | 2.95E-02 | 2.73E-02 | 2.34E-02 |
| Skin | 3.69E-03 | 1.41E-02 | 3.66E-02 | 5.03E-02 | 3.27E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.13E-02 | 1.88E-02 | |
| Spleen | 1.96E-02 | 1.62E-01 | 3.19E-01 | 2.80E-01 | 1.45E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| Testes | 0.0 | 0.0 | 5.03E-06 | 9.91E-04 | 2.37E-03 | 3.26E-03 | 3.74E-03 | 4.04E-03 | 4.18E-03 | 4.27E-03 | 4.30E-03 | 4.17E-03 |
| Thymus | 1.26E-04 | 3.84E-02 | 1.63E-01 | 2.45E-01 | 1.37E-01 | 8.11E-02 | 7.83E-02 | 7.84E-02 | 7.85E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| Thyroid | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| GB_Wall | 4.26E-07 | 3.15E-03 | 4.33E-02 | 1.26E-01 | 8.70E-02 | 5.53E-02 | 5.09E-02 | 5.02E-02 | 5.04E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| Ht_Wall | 8.51E-02 | 4.14E-01 | 6.76E-01 | 5.64E-01 | 2.63E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 | 9.09E-02 |
| Uterus | 0.0 | 2.59E-07 | 3.24E-04 | 6.57E-03 | 1.55E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 3.08E-02 | 2.67E-01 | 4.60E-01 | 3.76E-01 | 2.01E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 | |
| UB_Wall | 0.0 | 1.67E-08 | 6.84E-05 | 3.47E-03 | 6.09E-03 | 7.49E-03 | 7.94E-03 | 8.30E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| Bone_Sur | 1.88E-02 | 2.07E-01 | 5.10E-01 | 6.45E-01 | 3.44E-01 | 9.95E-02 | 5.81E-02 | 5.23E-02 | 4.74E-02 | 4.31E-02 | 4.03E-02 | 3.54E-02 |
| Brain | 0.0 | 1.74E-07 | 1.23E-04 | 3.23E-03 | 6.70E-03 | 5.60E-03 | 5.64E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| Breasts | 6.81E-03 | 1.34E-01 | 3.07E-01 | 2.77E-01 | 1.33E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.49E-02 | 8.03E-02 | 5.99E-02 | |
| St_Wall | 1.95E-03 | 3.79E-02 | 1.10E-01 | 1.57E-01 | 9.74E-02 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| SI_Wall | 0.0 | 2.62E-05 | 2.52E-03 | 2.43E-02 | 3.10E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| ULI_Wall | 0.0 | 4.86E-05 | 6.08E-03 | 2.94E-02 | 3.21E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| LLI_Wall | 0.0 | 2.07E-06 | 4.79E-04 | 7.87E-03 | 1.06E-02 | 9.24E-03 | 8.78E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| Kidneys | 2.06E-06 | 5.92E-03 | 4.19E-02 | 9.83E-02 | 7.15E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 |
| Liver | 4.11E-02 | 1.98E-01 | 3.09E-01 | 2.62E-01 | 1.34E-01 | 7.65E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| ET1-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| ET2-bas | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| LN-ET | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| BBi-bas | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| BBi-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| bbe-sec | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| AI | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| LN-Th | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Lng_Tiss | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Lung_NP | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| Lung_TB | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Lung_P | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Muscle | 9.68E-02 | 1.85E-01 | 1.97E-01 | 1.42E-01 | 7.06E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 3.98E-02 | 3.71E-02 | 2.95E-02 |
| Ovaries | 0.0 | 4.87E-07 | 4.26E-04 | 5.98E-03 | 1.61E-02 | 1.19E-02 | 1.28E-02 | 1.55E-02 | 1.51E-02 | 1.33E-02 | 1.20E-02 | 9.64E-03 |
| Pancreas | 1.14E-04 | 4.78E-02 | 1.85E-01 | 2.68E-01 | 1.54E-01 | 9.11E-02 | 8.97E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 | |
| R_Marrow | 2.89E-03 | 2.92E-02 | 6.68E-02 | 8.02E-02 | 5.20E-02 | 3.37E-02 | 3.46E-02 | 3.54E-02 | 3.24E-02 | 2.95E-02 | 2.73E-02 | 2.34E-02 |
| Skin | 3.69E-03 | 1.41E-02 | 3.66E-02 | 5.03E-02 | 3.27E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.13E-02 | 1.88E-02 | |
| Spleen | 1.96E-02 | 1.62E-01 | 3.19E-01 | 2.80E-01 | 1.45E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| Testes | 0.0 | 0.0 | 5.03E-06 | 9.91E-04 | 2.37E-03 | 3.26E-03 | 3.74E-03 | 4.04E-03 | 4.18E-03 | 4.27E-03 | 4.30E-03 | 4.17E-03 |
| Thymus | 1.26E-04 | 3.84E-02 | 1.63E-01 | 2.45E-01 | 1.37E-01 | 8.11E-02 | 7.83E-02 | 7.84E-02 | 7.85E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| Thyroid | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| GB_Wall | 4.26E-07 | 3.15E-03 | 4.33E-02 | 1.26E-01 | 8.70E-02 | 5.53E-02 | 5.09E-02 | 5.02E-02 | 5.04E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| Ht_Wall | 8.51E-02 | 4.14E-01 | 6.76E-01 | 5.64E-01 | 2.63E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 | 9.09E-02 |
| Uterus | 0.0 | 2.59E-07 | 3.24E-04 | 6.57E-03 | 1.55E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 9.36E-08 | 2.57E-04 | 1.02E-02 | 1.84E-02 | 1.72E-02 | 1.59E-02 | 1.42E-02 | 1.27E-02 | 1.18E-02 | 1.11E-02 | 9.65E-03 |
| UB_Wall | 0.0 | 0.0 | 2.38E-07 | 2.52E-04 | 1.97E-03 | 2.80E-03 | 3.08E-03 | 3.36E-03 | 3.08E-03 | 3.31E-03 | 3.16E-03 | 3.22E-03 |
| Bone_Sur | 1.44E-06 | 5.93E-03 | 6.50E-02 | 2.34E-01 | 1.98E-01 | 6.84E-02 | 3.47E-02 | 2.93E-02 | 2.73E-02 | 2.55E-02 | 2.42E-02 | 2.09E-02 |
| Brain | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.69E-02 | 2.52E-02 | 2.41E-02 | 2.31E-02 | 2.02E-02 |
| Breasts | 0.0 | 6.90E-05 | 9.11E-03 | 4.12E-02 | 3.73E-02 | 3.34E-02 | 3.21E-02 | 3.43E-02 | 3.33E-02 | 3.17E-02 | 3.03E-02 | 2.48E-02 |
| St_Wall | 0.0 | 1.35E-07 | 2.41E-04 | 1.30E-02 | 1.53E-02 | 1.28E-02 | 1.30E-02 | 1.30E-02 | 1.18E-02 | 1.13E-02 | 1.08E-02 | 8.94E-03 |
| SI_Wall | 0.0 | 0.0 | 6.11E-06 | 1.73E-03 | 3.20E-03 | 4.28E-03 | 4.36E-03 | 5.09E-03 | 5.14E-03 | 4.91E-03 | 4.75E-03 | 4.49E-03 |
| ULI_Wall | 0.0 | 2.17E-10 | 9.91E-06 | 1.63E-03 | 4.14E-03 | 6.31E-03 | 6.19E-03 | 6.10E-03 | 6.05E-03 | 5.92E-03 | 5.80E-03 | 4.83E-03 |
| LLI_Wall | 0.0 | 0.0 | 1.26E-06 | 4.59E-04 | 2.63E-03 | 3.31E-03 | 3.59E-03 | 3.86E-03 | 3.77E-03 | 3.66E-03 | 3.58E-03 | 3.02E-03 |
| Kidneys | 0.0 | 3.00E-09 | 3.95E-05 | 3.74E-03 | 8.20E-03 | 8.49E-03 | 7.56E-03 | 8.37E-03 | 9.00E-03 | 8.40E-03 | 8.00E-03 | 6.41E-03 |
| Liver | 0.0 | 2.44E-07 | 3.17E-04 | 1.12E-02 | 1.81E-02 | 1.37E-02 | 1.26E-02 | 1.30E-02 | 1.31E-02 | 1.27E-02 | 1.22E-02 | 1.02E-02 |
| 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 | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| Lung_NP | 5.33E+02 | 2.80E+02 | 1.45E+02 | 4.90E+01 | 1.54E+01 | 8.73E+00 | 9.42E+00 | 1.02E+01 | 9.89E+00 | 9.00E+00 | 8.26E+00 | 6.83E+00 |
| Lung_TB | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| Lung_P | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| Muscle | 1.33E-01 | 2.64E-01 | 3.11E-01 | 2.38E-01 | 1.13E-01 | 6.48E-02 | 6.57E-02 | 6.81E-02 | 6.39E-02 | 5.94E-02 | 5.54E-02 | 4.44E-02 |
| Ovaries | 0.0 | 0.0 | 9.80E-07 | 5.30E-04 | 3.12E-03 | 3.89E-03 | 4.10E-03 | 4.39E-03 | 4.26E-03 | 4.13E-03 | 4.03E-03 | 3.39E-03 |
| Pancreas | 0.0 | 1.06E-07 | 2.79E-04 | 9.80E-03 | 1.18E-02 | 1.35E-02 | 1.41E-02 | 1.37E-02 | 1.30E-02 | 1.24E-02 | 1.20E-02 | 9.87E-03 |
| R_Marrow | 3.20E-06 | 1.05E-03 | 1.09E-02 | 3.75E-02 | 3.73E-02 | 2.61E-02 | 2.30E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 |
| Skin | 7.12E-07 | 1.98E-03 | 1.84E-02 | 4.47E-02 | 3.16E-02 | 1.99E-02 | 1.99E-02 | 2.10E-02 | 2.23E-02 | 2.25E-02 | 1.92E-02 | 1.94E-02 |
| Spleen | 0.0 | 3.72E-08 | 1.43E-04 | 1.00E-02 | 1.64E-02 | 1.50E-02 | 1.36E-02 | 1.26E-02 | 1.15E-02 | 1.07E-02 | 1.00E-02 | 8.32E-03 |
| Testes | 0.0 | 0.0 | 1.90E-08 | 7.27E-05 | 9.37E-04 | 1.65E-03 | 1.95E-03 | 2.25E-03 | 2.23E-03 | 2.22E-03 | 2.20E-03 | 1.89E-03 |
| Thymus | 1.09E-02 | 4.45E-01 | 9.61E-01 | 1.02E+00 | 4.72E-01 | 2.60E-01 | 2.58E-01 | 2.76E-01 | 2.47E-01 | 2.42E-01 | 2.38E-01 | 2.00E-01 |
| Thyroid | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.69E-02 | 2.52E-02 | 2.41E-02 | 2.31E-02 | 2.02E-02 |
| GB_Wall | 0.0 | 2.82E-08 | 1.24E-04 | 6.10E-03 | 1.35E-02 | 1.13E-02 | 1.06E-02 | 1.11E-02 | 1.05E-02 | 1.01E-02 | 9.74E-03 | 8.04E-03 |
| Ht_Wall | 8.02E-10 | 7.46E-04 | 1.66E-02 | 8.60E-02 | 8.00E-02 | 5.01E-02 | 4.52E-02 | 4.90E-02 | 4.36E-02 | 3.89E-02 | 3.22E-02 | 3.02E-02 |
| Uterus | 0.0 | 0.0 | 8.68E-07 | 4.98E-04 | 3.01E-03 | 3.78E-03 | 4.01E-03 | 4.29E-03 | 4.04E-03 | 3.95E-03 | 3.32E-03 | 3.02E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| Source = TB_Cont | 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 | 3.08E-02 | 2.67E-01 | 4.60E-01 | 3.76E-01 | 2.01E-01 | 1.16E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 | | |
| UB_Wall | 0.0 | 1.67E-08 | 6.84E-05 | 3.47E-03 | 6.09E-03 | 7.49E-03 | 7.94E-03 | 8.30E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 | | |
| Bone_Sur | 1.88E-02 | 2.07E-01 | 5.10E-01 | 6.45E-01 | 3.44E-01 | 9.95E-02 | 5.81E-02 | 5.23E-02 | 4.74E-02 | 4.31E-02 | 4.03E-02 | 3.54E-02 | | |
| Brain | 0.0 | 1.74E-07 | 1.23E-04 | 3.23E-03 | 6.70E-03 | 5.60E-03 | 5.64E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 | | |
| Breasts | 6.81E-03 | 1.34E-01 | 3.07E-01 | 2.77E-01 | 1.33E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.49E-02 | 8.41E-02 | 8.03E-02 | 5.99E-02 | | |
| St_Wall | 1.95E-03 | 3.79E-02 | 1.10E-01 | 1.57E-01 | 9.74E-02 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 | | |
| SI_Wall | 0.0 | 2.62E-05 | 2.52E-03 | 2.43E-02 | 3.10E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 | | |
| ULI_Wall | 0.0 | 4.86E-05 | 6.08E-03 | 2.94E-02 | 3.21E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 | | |
| LLI_Wall | 0.0 | 2.07E-06 | 4.79E-04 | 7.87E-03 | 1.06E-02 | 9.24E-03 | 8.78E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 | | |
| Kidneys | 2.06E-06 | 5.92E-03 | 4.19E-02 | 9.83E-02 | 7.15E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 | | |
| Liver | 4.11E-02 | 1.98E-01 | 3.09E-01 | 2.62E-01 | 1.34E-01 | 7.77E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 | | |
| 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 | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 | | |
| Lung_NP | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 | |
| Lung_TB | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 | | |
| Lung_P | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 | | |
| Muscle | 9.68E-02 | 1.85E-01 | 1.97E-01 | 1.42E-01 | 7.06E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 4.25E-02 | 3.71E-02 | 2.95E-02 | | |
| Ovaries | 0.0 | 4.87E-07 | 4.26E-04 | 5.98E-03 | 1.61E-02 | 1.19E-02 | 1.28E-02 | 1.28E-02 | 1.55E-02 | 1.51E-02 | 1.33E-02 | 1.20E-02 | 9.64E-03 | |
| Pancreas | 1.14E-04 | 4.78E-02 | 1.85E-01 | 2.68E-01 | 1.54E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 | | |
| R_Marrow | 2.89E-03 | 2.92E-02 | 6.68E-02 | 8.02E-02 | 5.20E-02 | 3.37E-02 | 3.46E-02 | 3.54E-02 | 3.24E-02 | 2.95E-02 | 2.73E-02 | 2.34E-02 | | |
| Skin | 3.69E-03 | 1.41E-02 | 3.66E-02 | 5.03E-02 | 3.27E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.30E-02 | 2.13E-02 | 1.88E-02 | | |
| Spleen | 1.96E-02 | 1.62E-01 | 3.19E-01 | 2.80E-01 | 1.45E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 | | |
| Testes | 0.0 | 0.0 | 5.03E-06 | 9.91E-04 | 2.37E-03 | 3.26E-03 | 3.74E-03 | 4.04E-03 | 4.18E-03 | 4.04E-03 | 4.27E-03 | 4.30E-03 | 4.17E-03 | |
| Thymus | 1.26E-04 | 3.84E-02 | 1.63E-01 | 2.45E-01 | 1.37E-01 | 8.11E-02 | 7.83E-02 | 7.85E-02 | 7.84E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 | | |
| Thyroid | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 | | |
| GB_Wall | 4.26E-07 | 3.15E-03 | 4.33E-02 | 1.26E-01 | 8.70E-02 | 5.53E-02 | 5.09E-02 | 5.02E-02 | 5.04E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 | | |
| Ht_Wall | 8.51E-02 | 4.14E-01 | 6.76E-01 | 5.64E-01 | 2.63E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 | 9.09E-02 | | |
| Uterus | 0.0 | 2.59E-07 | 3.24E-04 | 6.57E-03 | 1.55E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 | | |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 3.08E-02 | 2.67E-01 | 4.60E-01 | 3.76E-01 | 2.01E-01 | 1.16E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 |
| UB_Wall | 0.0 | 1.67E-08 | 6.84E-05 | 3.47E-03 | 6.09E-03 | 7.49E-03 | 7.94E-03 | 8.30E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| Bone_Sur | 1.88E-02 | 2.07E-01 | 5.10E-01 | 6.45E-01 | 3.44E-01 | 9.95E-02 | 5.81E-02 | 5.23E-02 | 4.74E-02 | 4.31E-02 | 4.03E-02 | 3.54E-02 |
| Brain | 0.0 | 1.74E-07 | 1.23E-04 | 3.23E-03 | 6.70E-03 | 5.60E-03 | 5.64E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| Breasts | 6.81E-03 | 1.34E-01 | 3.07E-01 | 2.77E-01 | 1.33E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.49E-02 | 8.41E-02 | 8.03E-02 | 5.99E-02 |
| St_Wall | 1.95E-03 | 3.79E-02 | 1.10E-01 | 1.57E-01 | 9.74E-02 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| SI_Wall | 0.0 | 2.62E-05 | 2.52E-03 | 2.43E-02 | 3.10E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| ULI_Wall | 0.0 | 4.86E-05 | 6.08E-03 | 2.94E-02 | 3.21E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| LLI_Wall | 0.0 | 2.07E-06 | 4.79E-04 | 7.87E-03 | 1.06E-02 | 9.24E-03 | 8.78E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| Kidneys | 2.06E-06 | 5.92E-03 | 4.19E-02 | 9.83E-02 | 7.15E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 |
| Liver | 4.11E-02 | 1.98E-01 | 3.09E-01 | 2.62E-01 | 1.34E-01 | 7.77E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| 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 | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Lung_NP | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| Lung_TB | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Lung_P | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Muscle | 9.68E-02 | 1.85E-01 | 1.97E-01 | 1.42E-01 | 7.06E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 3.98E-02 | 3.71E-02 | 2.95E-02 |
| Ovaries | 0.0 | 4.87E-07 | 4.26E-04 | 5.98E-03 | 1.61E-02 | 1.19E-02 | 1.28E-02 | 1.28E-02 | 1.55E-02 | 1.51E-02 | 1.33E-02 | 1.20E-02 |
| Pancreas | 1.14E-04 | 4.78E-02 | 1.85E-01 | 2.68E-01 | 1.54E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 |
| R_Marrow | 2.89E-03 | 2.92E-02 | 6.68E-02 | 8.02E-02 | 5.20E-02 | 3.37E-02 | 3.46E-02 | 3.54E-02 | 3.24E-02 | 2.95E-02 | 2.73E-02 | 2.34E-02 |
| Skin | 3.69E-03 | 1.41E-02 | 3.66E-02 | 5.03E-02 | 3.27E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.30E-02 | 2.13E-02 | 1.88E-02 |
| Spleen | 1.96E-02 | 1.62E-01 | 3.19E-01 | 2.80E-01 | 1.45E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| Testes | 0.0 | 0.0 | 5.03E-06 | 9.91E-04 | 2.37E-03 | 3.26E-03 | 3.74E-03 | 4.04E-03 | 4.18E-03 | 4.04E-03 | 4.27E-03 | 4.17E-03 |
| Thymus | 1.26E-04 | 3.84E-02 | 1.63E-01 | 2.45E-01 | 1.37E-01 | 8.11E-02 | 7.83E-02 | 7.85E-02 | 7.84E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| Thyroid | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| GB_Wall | 4.26E-07 | 3.15E-03 | 4.33E-02 | 1.26E-01 | 8.70E-02 | 5.53E-02 | 5.09E-02 | 5.02E-02 | 5.04E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| Ht_Wall | 8.51E-02 | 4.14E-01 | 6.76E-01 | 5.64E-01 | 2.63E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 | 9.09E-02 |
| Uterus | 0.0 | 2.59E-07 | 3.24E-04 | 6.57E-03 | 1.55E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 3.08E-02 | 2.67E-01 | 4.60E-01 | 3.76E-01 | 2.01E-01 | 1.16E-01 | 1.16E-01 | 1.15E-01 | 1.06E-01 | 9.38E-02 | 8.54E-02 | 7.18E-02 |
| UB_Wall1 | 0.0 | 1.67E-08 | 6.84E-05 | 3.47E-03 | 6.09E-03 | 7.49E-03 | 7.94E-03 | 8.30E-03 | 8.12E-03 | 7.76E-03 | 7.42E-03 | 6.54E-03 |
| Bone_Sur | 1.88E-02 | 2.07E-01 | 5.10E-01 | 6.45E-01 | 3.44E-01 | 9.95E-02 | 5.81E-02 | 5.23E-02 | 4.74E-02 | 4.31E-02 | 4.03E-02 | 3.54E-02 |
| Brain | 0.0 | 1.74E-07 | 1.23E-04 | 3.23E-03 | 6.70E-03 | 5.60E-03 | 5.64E-03 | 7.33E-03 | 7.89E-03 | 7.66E-03 | 7.34E-03 | 6.40E-03 |
| Breasts | 6.81E-03 | 1.34E-01 | 3.07E-01 | 2.77E-01 | 1.33E-01 | 8.13E-02 | 8.45E-02 | 8.53E-02 | 8.49E-02 | 8.41E-02 | 8.03E-02 | 5.99E-02 |
| St_Wall1 | 1.95E-03 | 3.79E-02 | 1.10E-01 | 1.57E-01 | 9.74E-02 | 5.99E-02 | 5.68E-02 | 5.78E-02 | 4.67E-02 | 4.50E-02 | 4.40E-02 | 3.62E-02 |
| SI_Wall1 | 0.0 | 2.62E-05 | 2.52E-03 | 2.43E-02 | 3.10E-02 | 1.92E-02 | 1.89E-02 | 2.03E-02 | 1.93E-02 | 1.91E-02 | 1.86E-02 | 1.50E-02 |
| ULI_Wall1 | 0.0 | 4.86E-05 | 6.08E-03 | 2.94E-02 | 3.21E-02 | 2.17E-02 | 2.10E-02 | 2.26E-02 | 1.93E-02 | 1.90E-02 | 1.88E-02 | 1.55E-02 |
| LLI_Wall1 | 0.0 | 2.07E-06 | 4.79E-04 | 7.87E-03 | 1.06E-02 | 9.24E-03 | 8.78E-03 | 1.10E-02 | 1.19E-02 | 1.16E-02 | 1.09E-02 | 8.18E-03 |
| Kidneys | 2.06E-06 | 5.92E-03 | 4.19E-02 | 9.83E-02 | 7.15E-02 | 4.65E-02 | 4.62E-02 | 5.00E-02 | 4.14E-02 | 4.02E-02 | 3.94E-02 | 3.13E-02 |
| Liver | 4.11E-02 | 1.98E-01 | 3.09E-01 | 2.62E-01 | 1.34E-01 | 7.77E-02 | 7.73E-02 | 8.10E-02 | 7.43E-02 | 6.55E-02 | 5.98E-02 | 5.25E-02 |
| 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 | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Lung_NP | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| Lung_TB | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Lung_P | 1.50E+01 | 8.73E+00 | 4.86E+00 | 1.83E+00 | 6.08E-01 | 3.37E-01 | 3.55E-01 | 3.93E-01 | 3.65E-01 | 3.32E-01 | 3.05E-01 | 2.33E-01 |
| Muscle | 9.68E-02 | 1.85E-01 | 1.97E-01 | 1.42E-01 | 7.06E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 3.98E-02 | 3.71E-02 | 2.95E-02 |
| Ovaries | 0.0 | 4.87E-07 | 4.26E-04 | 5.98E-03 | 1.61E-02 | 1.19E-02 | 1.28E-02 | 1.28E-02 | 1.55E-02 | 1.51E-02 | 1.20E-02 | 9.64E-03 |
| Pancreas | 1.14E-04 | 4.78E-02 | 1.85E-01 | 2.68E-01 | 1.54E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 |
| R_Marrow | 2.89E-03 | 2.92E-02 | 6.68E-02 | 8.02E-02 | 5.20E-02 | 3.37E-02 | 3.46E-02 | 3.54E-02 | 3.24E-02 | 2.95E-02 | 2.73E-02 | 2.34E-02 |
| Skin | 3.69E-03 | 1.41E-02 | 3.66E-02 | 5.03E-02 | 3.27E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.13E-02 | 1.88E-02 | 1.88E-02 |
| Spleen | 1.96E-02 | 1.62E-01 | 3.19E-01 | 2.80E-01 | 1.45E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| Testes | 0.0 | 0.0 | 5.03E-06 | 9.91E-04 | 2.37E-03 | 3.26E-03 | 3.74E-03 | 4.04E-03 | 4.18E-03 | 4.04E-03 | 4.27E-03 | 4.17E-03 |
| Thymus | 1.26E-04 | 3.84E-02 | 1.63E-01 | 2.45E-01 | 1.37E-01 | 8.11E-02 | 7.83E-02 | 7.85E-02 | 7.84E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| Thyroid | 1.12E-07 | 2.91E-03 | 5.09E-02 | 1.26E-01 | 9.23E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| GB_Wall1 | 4.26E-07 | 3.15E-03 | 4.33E-02 | 1.26E-01 | 8.70E-02 | 5.53E-02 | 5.09E-02 | 5.02E-02 | 5.04E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| Ht_Wall1 | 8.51E-02 | 4.14E-01 | 6.76E-01 | 5.64E-01 | 2.63E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 | 9.09E-02 |
| Uterus | 0.0 | 2.59E-07 | 3.24E-04 | 6.57E-03 | 1.55E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 8.01E-02 | 1.53E-01 | 1.74E-01 | 1.36E-01 | 7.54E-02 | 4.64E-02 | 4.72E-02 | 4.90E-02 | 4.64E-02 | 4.32E-02 | 4.03E-02 | 3.20E-02 |
| UB_Wall1 | 1.35E-01 | 2.07E-01 | 2.38E-01 | 1.94E-01 | 9.83E-02 | 5.73E-02 | 5.81E-02 | 6.09E-02 | 5.70E-02 | 5.28E-02 | 4.91E-02 | 3.91E-02 |
| Bone_Sur | 1.39E-01 | 3.29E-01 | 4.92E-01 | 5.54E-01 | 2.95E-01 | 1.04E-01 | 6.31E-02 | 4.83E-02 | 4.56E-02 | 4.24E-02 | 3.94E-02 | 3.20E-02 |
| Brain | 1.73E-04 | 5.29E-03 | 1.94E-02 | 3.37E-02 | 2.39E-02 | 1.57E-02 | 1.60E-02 | 1.74E-02 | 1.67E-02 | 1.59E-02 | 1.50E-02 | 1.22E-02 |
| Breasts | 7.10E-02 | 9.49E-02 | 9.47E-02 | 7.24E-02 | 3.95E-02 | 2.59E-02 | 2.76E-02 | 3.12E-02 | 3.09E-02 | 2.87E-02 | 2.67E-02 | 2.16E-02 |
| St_Wall1 | 9.48E-02 | 1.68E-01 | 1.95E-01 | 1.57E-01 | 8.18E-02 | 4.90E-02 | 4.96E-02 | 5.18E-02 | 4.86E-02 | 4.49E-02 | 4.17E-02 | 3.32E-02 |
| SI_Wall1 | 3.26E-02 | 8.51E-02 | 1.37E-01 | 1.50E-01 | 8.90E-02 | 5.27E-02 | 5.23E-02 | 5.27E-02 | 4.96E-02 | 4.57E-02 | 4.25E-02 | 3.50E-02 |
| ULI_Wall1 | 3.13E-02 | 8.62E-02 | 1.36E-01 | 1.44E-01 | 8.36E-02 | 5.01E-02 | 4.98E-02 | 5.12E-02 | 4.84E-02 | 4.46E-02 | 4.13E-02 | 3.30E-02 |
| LLI_Wall1 | 7.09E-02 | 1.44E-01 | 1.92E-01 | 1.80E-01 | 9.68E-02 | 5.73E-02 | 5.75E-02 | 5.99E-02 | 5.95E-02 | 5.12E-02 | 4.75E-02 | 3.89E-02 |
| Kidneys | 4.75E-02 | 1.12E-01 | 1.45E-01 | 1.24E-01 | 7.11E-02 | 4.38E-02 | 4.43E-02 | 4.66E-02 | 4.43E-02 | 4.12E-02 | 3.84E-02 | 3.14E-02 |
| Liver | 2.57E-02 | 6.19E-02 | 9.82E-02 | 9.82E-02 | 6.00E-02 | 3.67E-02 | 3.70E-02 | 3.88E-02 | 3.67E-02 | 3.40E-02 | 3.16E-02 | 2.59E-02 |
| ET1-bas | 1.33E-01 | 2.64E-01 | 3.11E-01 | 2.38E-01 | 1.13E-01 | 6.48E-02 | 6.57E-02 | 6.81E-02 | 6.39E-02 | 5.94E-02 | 5.54E-02 | 4.44E-02 |
| ET2-bas | 1.33E-01 | 2.64E-01 | 3.11E-01 | 2.38E-01 | 1.13E-01 | 6.48E-02 | 6.57E-02 | 6.81E-02 | 6.39E-02 | 5.94E-02 | 5.54E-02 | 4.44E-02 |
| LN-ET | 1.33E-01 | 2.64E-01 | 3.11E-01 | 2.38E-01 | 1.13E-01 | 6.48E-02 | 6.57E-02 | 6.81E-02 | 6.39E-02 | 5.94E-02 | 5.54E-02 | 4.44E-02 |
| BBi-bas | 1.02E-01 | 1.94E-01 | 2.07E-01 | 1.49E-01 | 7.27E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 3.98E-02 | 3.71E-02 | 2.95E-02 |
| BBi-sec | 1.02E-01 | 1.94E-01 | 2.07E-01 | 1.49E-01 | 7.27E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 3.98E-02 | 3.71E-02 | 2.95E-02 |
| bbe-sec | 1.02E-01 | 1.94E-01 | 2.07E-01 | 1.49E-01 | 7.27E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 3.98E-02 | 3.71E-02 | 2.95E-02 |
| AI | 1.02E-01 | 1.94E-01 | 2.07E-01 | 1.49E-01 | 7.27E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 3.98E-02 | 3.71E-02 | 2.95E-02 |
| LN-Th | 1.02E-01 | 1.94E-01 | 2.07E-01 | 1.49E-01 | 7.27E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 3.98E-02 | 3.71E-02 | 2.95E-02 |
| Lng_Tiss | 1.02E-01 | 1.94E-01 | 2.07E-01 | 1.49E-01 | 7.27E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 3.98E-02 | 3.71E-02 | 2.95E-02 |
| Lung_NP | 1.33E-01 | 2.64E-01 | 3.11E-01 | 2.38E-01 | 1.13E-01 | 6.48E-02 | 6.57E-02 | 6.81E-02 | 6.39E-02 | 5.94E-02 | 5.54E-02 | 4.44E-02 |
| Lung_TB | 1.02E-01 | 1.94E-01 | 2.07E-01 | 1.49E-01 | 7.27E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 3.98E-02 | 3.71E-02 | 2.95E-02 |
| Lung_P | 1.02E-01 | 1.94E-01 | 2.07E-01 | 1.49E-01 | 7.27E-02 | 4.20E-02 | 4.34E-02 | 4.49E-02 | 4.25E-02 | 3.98E-02 | 3.71E-02 | 2.95E-02 |
| Muscle | 3.88E-01 | 3.35E-01 | 2.74E-01 | 1.71E-01 | 8.03E-02 | 4.87E-02 | 5.07E-02 | 5.30E-02 | 5.05E-02 | 4.68E-02 | 4.35E-02 | 3.56E-02 |
| Ovaries | 1.56E-01 | 2.28E-01 | 2.41E-01 | 2.00E-01 | 1.06E-01 | 6.25E-02 | 6.24E-02 | 6.41E-02 | 6.08E-02 | 5.58E-02 | 5.16E-02 | 4.15E-02 |
| Pancreas | 9.78E-02 | 2.02E-01 | 2.31E-01 | 1.82E-01 | 9.40E-02 | 5.57E-02 | 5.62E-02 | 5.84E-02 | 5.49E-02 | 5.01E-02 | 4.62E-02 | 3.74E-02 |
| R_Marrow | 3.17E-02 | 6.43E-02 | 8.53E-02 | 8.31E-02 | 5.01E-02 | 3.26E-02 | 3.36E-02 | 3.67E-02 | 3.50E-02 | 3.25E-02 | 3.03E-02 | 2.45E-02 |
| Skin | 1.24E-01 | 1.37E-01 | 1.23E-01 | 8.22E-02 | 4.18E-02 | 2.71E-02 | 2.91E-02 | 3.22E-02 | 3.16E-02 | 2.74E-02 | 2.26E-02 | |
| Spleen | 5.12E-02 | 1.31E-01 | 1.78E-01 | 1.52E-01 | 7.93E-02 | 4.77E-02 | 4.87E-02 | 4.98E-02 | 4.73E-02 | 4.43E-02 | 3.34E-02 | |
| Testes | 1.05E-01 | 1.87E-01 | 2.10E-01 | 1.58E-01 | 7.62E-02 | 4.57E-02 | 4.81E-02 | 4.95E-02 | 4.95E-02 | 4.53E-02 | 4.18E-02 | 3.41E-02 |
| Thymus | 5.54E-02 | 1.31E-01 | 1.71E-01 | 1.47E-01 | 7.57E-02 | 4.47E-02 | 4.63E-02 | 4.86E-02 | 4.58E-02 | 4.25E-02 | 3.95E-02 | 3.15E-02 |
| Thyroid | 1.33E-01 | 2.64E-01 | 3.11E-01 | 2.38E-01 | 1.13E-01 | 6.48E-02 | 6.57E-02 | 6.81E-02 | 6.39E-02 | 5.94E-02 | 5.54E-02 | 4.44E-02 |
| GB_Wall1 | 1.67E-01 | 2.03E-01 | 2.08E-01 | 1.64E-01 | 8.93E-02 | 5.31E-02 | 5.25E-02 | 5.46E-02 | 5.17E-02 | 4.83E-02 | 4.51E-02 | 3.63E-02 |
| Ht_Wall1 | 5.36E-02 | 1.02E-01 | 1.31E-01 | 1.23E-01 | 6.91E-02 | 4.13E-02 | 4.16E-02 | 4.31E-02 | 4.11E-02 | 3.83E-02 | 3.57E-02 | 2.90E-02 |
| Uterus | 8.26E-02 | 1.80E-01 | 2.29E-01 | 2.01E-01 | 1.06E-01 | 6.24E-02 | 6.19E-02 | 6.38E-02 | 5.97E-02 | 5.52E-02 | 5.12E-02 | 4.04E-02 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 1.44E-05 | 3.78E-03 | 4.39E-02 | 4.03E-02 | 3.60E-02 | 3.20E-02 | 2.57E-02 | 2.25E-02 | 2.01E-02 | 1.85E-02 | 1.70E-02 | |
| UB_Wall1 | 2.07E-04 | 1.46E-01 | 4.62E-01 | 7.12E-01 | 3.86E-01 | 2.31E-01 | 1.87E-01 | 2.26E-01 | 2.19E-01 | 1.84E-01 | 1.60E-01 | 1.29E-01 | |
| Bone_Sur | 1.99E-04 | 7.51E-02 | 3.03E-01 | 4.83E-01 | 3.11E-01 | 9.69E-02 | 5.08E-02 | 4.48E-02 | 4.03E-02 | 3.92E-02 | 3.77E-02 | 2.89E-02 | |
| Brain | 0.0 | 0.0 | 3.15E-09 | 2.55E-05 | 2.55E-04 | 3.67E-04 | 5.14E-04 | 7.53E-04 | 9.55E-04 | 1.08E-03 | 1.17E-03 | 1.40E-03 | |
| Breasts | 0.0 | 9.88E-09 | 8.26E-05 | 5.16E-03 | 1.24E-02 | 1.05E-02 | 1.01E-02 | 1.05E-02 | 9.95E-03 | 9.50E-03 | 9.19E-03 | 7.60E-03 | |
| St_Wall1 | 4.32E-10 | 6.87E-04 | 2.06E-02 | 7.47E-02 | 8.36E-02 | 5.05E-02 | 5.02E-02 | 5.29E-02 | 4.18E-02 | 3.75E-02 | 3.51E-02 | 2.89E-02 | |
| SI_Wall1 | 2.80E-01 | 1.45E+00 | 2.09E+00 | 1.51E+00 | 6.71E-01 | 3.71E-01 | 3.69E-01 | 3.85E-01 | 3.42E-01 | 3.17E-01 | 2.98E-01 | 2.38E-01 | |
| ULI_Wall1 | 8.45E-01 | 1.93E+00 | 2.06E+00 | 1.29E+00 | 5.47E-01 | 3.19E-01 | 3.19E-01 | 3.38E-01 | 3.09E-01 | 2.77E-01 | 2.52E-01 | 1.97E-01 | |
| LLI_Wall1 | 1.81E+00 | 3.79E+00 | 3.82E+00 | 2.09E+00 | 7.80E-01 | 4.36E-01 | 4.32E-01 | 4.76E-01 | 4.18E-01 | 4.06E-01 | 3.96E-01 | 3.30E-01 | |
| Kidneys | 0.0 | 5.49E-04 | 1.34E-04 | 7.55E-02 | 9.04E-02 | 6.00E-02 | 5.22E-02 | 5.49E-02 | 5.72E-02 | 5.16E-02 | 4.62E-02 | 3.50E-02 | |
| Liver | 7.25E-10 | 5.46E-04 | 1.34E-02 | 7.53E-02 | 6.90E-02 | 4.42E-02 | 4.00E-02 | 4.22E-02 | 3.92E-02 | 3.54E-02 | 3.48E-02 | 3.38E-02 | |
| ET1-bas | 0.0 | 0.0 | 9.80E-07 | 5.30E-04 | 3.12E-03 | 3.89E-03 | 4.10E-03 | 4.10E-03 | 4.39E-03 | 4.26E-03 | 4.13E-03 | 4.03E-03 | 3.39E-03 |
| ET2-bas | 0.0 | 0.0 | 9.80E-07 | 5.30E-04 | 3.12E-03 | 3.89E-03 | 4.10E-03 | 4.10E-03 | 4.39E-03 | 4.26E-03 | 4.13E-03 | 4.03E-03 | 3.39E-03 |
| LN-ET | 0.0 | 0.0 | 9.80E-07 | 5.30E-04 | 3.12E-03 | 3.89E-03 | 4.10E-03 | 4.10E-03 | 4.39E-03 | 4.26E-03 | 4.13E-03 | 4.03E-03 | 3.39E-03 |
| BBi-bas | 0.0 | 5.06E-07 | 4.45E-04 | 6.36E-03 | 1.66E-02 | 1.18E-02 | 1.28E-02 | 1.55E-02 | 1.52E-02 | 1.33E-02 | 1.20E-02 | 9.64E-03 | |
| BBi-sec | 0.0 | 5.06E-07 | 4.45E-04 | 6.36E-03 | 1.66E-02 | 1.18E-02 | 1.28E-02 | 1.55E-02 | 1.52E-02 | 1.33E-02 | 1.20E-02 | 9.64E-03 | |
| bbe-sec | 0.0 | 5.06E-07 | 4.45E-04 | 6.36E-03 | 1.66E-02 | 1.18E-02 | 1.28E-02 | 1.55E-02 | 1.52E-02 | 1.33E-02 | 1.20E-02 | 9.64E-03 | |
| AI | 0.0 | 5.06E-07 | 4.45E-04 | 6.36E-03 | 1.66E-02 | 1.18E-02 | 1.28E-02 | 1.55E-02 | 1.52E-02 | 1.33E-02 | 1.20E-02 | 9.64E-03 | |
| LN-Th | 0.0 | 5.06E-07 | 4.45E-04 | 6.36E-03 | 1.66E-02 | 1.18E-02 | 1.28E-02 | 1.55E-02 | 1.52E-02 | 1.33E-02 | 1.20E-02 | 9.64E-03 | |
| Lng_Tiss | 0.0 | 5.06E-07 | 4.45E-04 | 6.36E-03 | 1.66E-02 | 1.18E-02 | 1.28E-02 | 1.55E-02 | 1.52E-02 | 1.33E-02 | 1.20E-02 | 9.64E-03 | |
| Lung_NP | 0.0 | 0.0 | 9.80E-07 | 5.30E-04 | 3.12E-03 | 3.89E-03 | 4.10E-03 | 4.10E-03 | 4.39E-03 | 4.26E-03 | 4.13E-03 | 4.03E-03 | 3.39E-03 |
| Lung_TB | 0.0 | 5.06E-07 | 4.45E-04 | 6.36E-03 | 1.66E-02 | 1.18E-02 | 1.28E-02 | 1.55E-02 | 1.52E-02 | 1.33E-02 | 1.20E-02 | 9.64E-03 | |
| Lung_P | 0.0 | 5.06E-07 | 4.45E-04 | 6.36E-03 | 1.66E-02 | 1.18E-02 | 1.28E-02 | 1.55E-02 | 1.52E-02 | 1.33E-02 | 1.20E-02 | 9.64E-03 | |
| Muscle | 1.56E-01 | 2.28E-01 | 2.41E-01 | 2.00E-01 | 1.06E-01 | 6.25E-02 | 6.24E-02 | 6.41E-02 | 6.08E-02 | 5.58E-02 | 5.16E-02 | 4.15E-02 | |
| Ovaries | 1.79E+03 | 7.83E+02 | 3.63E+02 | 1.12E+02 | 3.32E+01 | 1.90E+01 | 2.11E+01 | 2.31E+01 | 2.21E+01 | 2.03E+01 | 1.89E+01 | 1.61E+01 | |
| Pancreas | 0.0 | 9.79E-05 | 1.06E-02 | 7.31E-02 | 6.69E-02 | 5.54E-02 | 4.56E-02 | 3.77E-02 | 3.42E-02 | 3.28E-02 | 3.13E-02 | 2.57E-02 | |
| R_Marrow | 2.37E-04 | 1.59E-02 | 5.73E-02 | 8.11E-02 | 5.64E-02 | 3.65E-02 | 3.50E-02 | 3.60E-02 | 3.24E-02 | 3.18E-02 | 3.08E-02 | 2.32E-02 | |
| Skin | 3.56E-10 | 5.16E-04 | 7.05E-03 | 3.14E-02 | 2.81E-02 | 2.09E-02 | 1.89E-02 | 2.35E-02 | 2.16E-02 | 1.99E-02 | 1.89E-02 | 1.75E-02 | |
| Spleen | 0.0 | 1.11E-04 | 8.77E-03 | 4.00E-02 | 6.16E-02 | 4.37E-02 | 3.56E-02 | 3.03E-02 | 2.98E-02 | 2.89E-02 | 2.75E-02 | 2.25E-02 | |
| 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 | 3.53E-10 | 1.27E-05 | 1.89E-03 | 3.64E-03 | 5.96E-03 | 7.04E-03 | 6.91E-03 | 6.61E-03 | 6.36E-03 | 6.16E-03 | 5.13E-03 | |
| Thyroid | 0.0 | 0.0 | 9.80E-07 | 5.30E-04 | 3.12E-03 | 3.89E-03 | 4.10E-03 | 4.39E-03 | 4.26E-03 | 4.13E-03 | 4.03E-03 | 3.39E-03 | |
| GB_Wall1 | 6.30E-10 | 1.58E-03 | 4.60E-02 | 1.71E-01 | 1.32E-01 | 9.47E-02 | 7.14E-02 | 5.69E-02 | 5.23E-02 | 5.06E-02 | 4.13E-02 | | |
| Ht_Wall1 | 0.0 | 2.76E-07 | 3.78E-04 | 1.19E-02 | 1.51E-02 | 1.42E-02 | 1.29E-02 | 1.23E-02 | 1.18E-02 | 1.10E-02 | 1.00E-02 | | |
| Uterus | 3.70E-02 | 1.55E+00 | 3.45E+00 | 2.53E+00 | 1.05E+00 | 5.63E-01 | 5.61E-01 | 5.67E-01 | 5.14E-01 | 4.63E-01 | 3.28E-01 | | |

Specific Absorbed Fraction of Photon Energy in kg⁻¹: Recommended Values for the Newborn

| 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 | 2.03E-02 | 4.77E-01 | 1.31E+00 | 1.16E+00 | 5.47E-01 | 2.95E-01 | 2.93E-01 | 3.36E-01 | 3.04E-01 | 2.70E-01 | 2.45E-01 | 1.97E-01 |
| UB_Wall1 | 0.0 | 3.25E-06 | 1.52E-03 | 2.21E-02 | 2.96E-02 | 2.89E-02 | 2.47E-02 | 2.10E-02 | 1.93E-02 | 1.85E-02 | 1.77E-02 | 1.45E-02 |
| Bone_Sur | 8.10E-05 | 2.19E-02 | 1.44E-01 | 4.03E-01 | 3.05E-01 | 9.91E-02 | 5.32E-02 | 4.52E-02 | 4.12E-02 | 3.80E-02 | 3.55E-02 | 2.93E-02 |
| Brain | 0.0 | 0.0 | 7.23E-07 | 3.53E-04 | 1.34E-03 | 2.29E-03 | 2.30E-03 | 2.90E-03 | 3.57E-03 | 3.79E-03 | 3.80E-03 | 3.41E-03 |
| Breasts | 0.0 | 1.59E-04 | 1.35E-02 | 4.27E-02 | 6.98E-02 | 6.18E-02 | 4.83E-02 | 4.03E-02 | 3.64E-02 | 3.50E-02 | 3.35E-02 | 2.74E-02 |
| St_Wall1 | 1.40E-01 | 1.15E+00 | 2.17E+00 | 1.65E+00 | 7.20E-01 | 3.93E-01 | 3.65E-01 | 3.89E-01 | 3.59E-01 | 3.27E-01 | 3.05E-01 | 2.65E-01 |
| SI_Wall1 | 5.59E-07 | 5.56E-03 | 8.44E-02 | 2.32E-01 | 1.62E-01 | 9.56E-02 | 8.71E-02 | 8.28E-02 | 7.94E-02 | 7.18E-02 | 6.53E-02 | 5.23E-02 |
| ULI_Wall1 | 9.22E-07 | 1.01E-02 | 1.08E-01 | 2.59E-01 | 1.78E-01 | 1.03E-01 | 1.02E-01 | 8.82E-02 | 7.77E-02 | 7.89E-02 | 7.83E-02 | 6.09E-02 |
| LLI_Wall1 | 2.42E-10 | 5.42E-04 | 1.57E-02 | 6.73E-02 | 6.55E-02 | 3.88E-02 | 4.26E-02 | 3.78E-02 | 3.39E-02 | 3.27E-02 | 3.10E-02 | 3.25E-02 |
| Kidneys | 1.74E-05 | 4.33E-02 | 2.87E-01 | 4.95E-01 | 2.80E-01 | 1.61E-01 | 1.62E-01 | 1.56E-01 | 1.39E-01 | 1.26E-01 | 1.18E-01 | 1.12E-01 |
| Liver | 2.38E-03 | 1.59E-01 | 4.69E-01 | 2.90E-01 | 1.64E-01 | 1.64E-01 | 1.61E-01 | 1.61E-01 | 1.61E-01 | 1.33E-01 | 1.25E-01 | 1.03E-01 |
| ET1-bas | 0.0 | 1.06E-07 | 2.79E-04 | 9.80E-03 | 1.18E-02 | 1.35E-02 | 1.41E-02 | 1.37E-02 | 1.30E-02 | 1.24E-02 | 1.20E-02 | 9.87E-03 |
| ET2-bas | 0.0 | 1.06E-07 | 2.79E-04 | 9.80E-03 | 1.18E-02 | 1.35E-02 | 1.41E-02 | 1.37E-02 | 1.30E-02 | 1.24E-02 | 1.20E-02 | 9.87E-03 |
| LN-ET | 0.0 | 1.06E-07 | 2.79E-04 | 9.80E-03 | 1.18E-02 | 1.35E-02 | 1.41E-02 | 1.37E-02 | 1.30E-02 | 1.24E-02 | 1.20E-02 | 9.87E-03 |
| BBi-bas | 1.18E-04 | 5.02E-02 | 1.94E-01 | 2.82E-01 | 1.59E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 |
| BBi-sec | 1.18E-04 | 5.02E-02 | 1.94E-01 | 2.82E-01 | 1.59E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 |
| bbe-sec | 1.18E-04 | 5.02E-02 | 1.94E-01 | 2.82E-01 | 1.59E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 |
| AI | 1.18E-04 | 5.02E-02 | 1.94E-01 | 2.82E-01 | 1.59E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 |
| LN-Th | 1.18E-04 | 5.02E-02 | 1.94E-01 | 2.82E-01 | 1.59E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 |
| Lng_Tiss | 1.18E-04 | 5.02E-02 | 1.94E-01 | 2.82E-01 | 1.59E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 |
| Lung_NP | 0.0 | 1.06E-07 | 2.79E-04 | 9.80E-03 | 1.18E-02 | 1.35E-02 | 1.41E-02 | 1.37E-02 | 1.30E-02 | 1.24E-02 | 1.20E-02 | 9.87E-03 |
| Lung_TB | 1.18E-04 | 5.02E-02 | 1.94E-01 | 2.82E-01 | 1.59E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 |
| Lung_P | 1.18E-04 | 5.02E-02 | 1.94E-01 | 2.82E-01 | 1.59E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 |
| Muscle | 9.78E-02 | 2.02E-01 | 1.94E-01 | 2.82E-01 | 1.59E-01 | 9.11E-02 | 8.97E-02 | 8.67E-02 | 8.25E-02 | 7.82E-02 | 7.42E-02 | 6.35E-02 |
| Ovaries | 0.0 | 9.79E-05 | 1.06E-02 | 7.31E-02 | 6.69E-02 | 5.54E-02 | 4.56E-02 | 4.13E-02 | 3.42E-02 | 3.13E-02 | 2.57E-02 | 2.06E-02 |
| Pancreas | 2.72E+02 | 1.57E+02 | 8.49E+01 | 2.96E+01 | 9.33E+00 | 5.32E+00 | 5.81E+00 | 6.26E+00 | 5.97E+00 | 5.53E+00 | 5.13E+00 | 4.16E+00 |
| R_Marrow | 6.49E-05 | 3.36E-03 | 1.97E-02 | 5.23E-02 | 4.65E-02 | 3.17E-02 | 3.10E-02 | 3.17E-02 | 2.90E-02 | 2.66E-02 | 2.48E-02 | 2.06E-02 |
| Skin | 3.03E-08 | 6.37E-04 | 8.68E-03 | 2.92E-02 | 2.76E-02 | 1.87E-02 | 2.06E-02 | 2.07E-02 | 1.95E-02 | 5.01E-02 | 4.62E-02 | 3.74E-02 |
| Spleen | 2.08E-01 | 1.50E+00 | 2.37E+00 | 1.72E+00 | 7.25E-01 | 4.23E-01 | 3.98E-01 | 4.17E-01 | 3.93E-01 | 3.51E-01 | 3.21E-01 | 2.76E-01 |
| Testes | 0.0 | 1.33E-08 | 9.59E-05 | 5.59E-03 | 1.29E-02 | 1.53E-02 | 1.05E-02 | 1.08E-02 | 1.03E-02 | 9.82E-03 | 9.50E-03 | 7.85E-03 |
| Thymus | 0.0 | 1.68E-05 | 3.56E-03 | 2.49E-02 | 4.68E-02 | 3.05E-02 | 2.51E-02 | 2.32E-02 | 2.49E-02 | 2.52E-02 | 2.45E-02 | 1.98E-02 |
| Thyroid | 0.0 | 1.06E-07 | 2.79E-04 | 9.80E-03 | 1.18E-02 | 1.35E-02 | 1.41E-02 | 1.37E-02 | 1.30E-02 | 1.24E-02 | 1.20E-02 | 9.87E-03 |
| GB_Wall1 | 3.86E+00 | 6.01E+00 | 5.89E+00 | 3.34E+00 | 1.29E+00 | 6.85E+00 | 7.50E-01 | 6.66E-01 | 6.06E-01 | 5.72E-01 | 5.17E-01 | 4.16E-01 |
| Ht_Wall1 | 1.89E-05 | 3.24E-02 | 2.01E-01 | 3.90E-01 | 2.07E-01 | 1.16E-01 | 1.18E-01 | 1.13E-01 | 1.03E-01 | 9.55E-02 | 7.48E-02 | 5.12E-02 |
| Uterus | 0.0 | 6.87E-05 | 8.79E-03 | 4.98E-02 | 7.38E-02 | 4.39E-02 | 3.51E-02 | 3.26E-02 | 3.09E-02 | 3.08E-02 | 3.01E-02 | 2.44E-02 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 5.92E-03 | 5.46E-02 | 1.13E-01 | 1.28E-01 | 7.80E-02 | 4.74E-02 | 5.00E-02 | 5.28E-02 | 5.01E-02 | 4.54E-02 | 4.14E-02 | 3.30E-02 |
| UB_Wall1 | 9.51E-08 | 9.95E-04 | 1.00E-02 | 3.20E-02 | 2.88E-02 | 2.01E-02 | 1.82E-02 | 1.89E-02 | 1.81E-02 | 1.76E-02 | 1.76E-02 | 1.32E-02 |
| Bone_Sur | 3.80E+00 | 3.26E+00 | 2.64E+00 | 1.62E+00 | 6.15E-01 | 1.76E-01 | 1.11E-01 | 1.07E-01 | 1.04E-01 | 9.43E-02 | 8.63E-02 | 7.07E-02 |
| Brain | 5.58E-02 | 1.34E-01 | 1.81E-01 | 1.53E-01 | 7.66E-02 | 4.58E-02 | 4.77E-02 | 5.16E-02 | 4.92E-02 | 4.53E-02 | 4.20E-02 | 3.45E-02 |
| Breasts | 8.00E-03 | 4.23E-02 | 5.76E-02 | 4.31E-02 | 2.49E-02 | 1.60E-02 | 1.93E-02 | 2.09E-02 | 2.07E-02 | 2.00E-02 | 1.91E-02 | 1.64E-02 |
| St_Wall1 | 2.56E-04 | 4.95E-03 | 1.84E-02 | 3.62E-02 | 3.27E-02 | 2.21E-02 | 2.15E-02 | 2.22E-02 | 2.05E-02 | 1.96E-02 | 1.88E-02 | 1.56E-02 |
| SI_Wall1 | 7.42E-03 | 1.99E-02 | 3.97E-02 | 6.18E-02 | 4.76E-02 | 3.03E-02 | 3.03E-02 | 3.14E-02 | 2.84E-02 | 2.64E-02 | 2.47E-02 | 2.03E-02 |
| ULI_Wall1 | 7.71E-03 | 2.48E-02 | 4.27E-02 | 5.53E-02 | 4.21E-02 | 2.84E-02 | 2.70E-02 | 2.87E-02 | 2.76E-02 | 2.40E-02 | 2.21E-02 | 1.84E-02 |
| LLI_Wall1 | 2.04E-02 | 6.94E-02 | 1.03E-01 | 9.43E-02 | 5.72E-02 | 3.49E-02 | 3.42E-02 | 3.76E-02 | 3.65E-02 | 3.36E-02 | 3.10E-02 | 2.49E-02 |
| Kidneys | 4.32E-03 | 2.47E-02 | 5.80E-02 | 8.20E-02 | 5.62E-02 | 3.54E-02 | 3.61E-02 | 3.84E-02 | 3.72E-02 | 3.53E-02 | 3.30E-02 | 2.50E-02 |
| Liver | 2.78E-03 | 3.37E-02 | 3.08E-02 | 4.75E-02 | 3.74E-02 | 2.47E-02 | 2.40E-02 | 2.55E-02 | 2.52E-02 | 2.34E-02 | 2.18E-02 | 1.78E-02 |
| ET1-bas | 1.15E-06 | 1.39E-03 | 1.20E-02 | 3.68E-02 | 3.52E-02 | 2.44E-02 | 2.21E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 |
| ET2-bas | 1.15E-06 | 1.39E-03 | 1.20E-02 | 3.68E-02 | 3.52E-02 | 2.44E-02 | 2.21E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 |
| LN-ET | 1.15E-06 | 1.39E-03 | 1.20E-02 | 3.68E-02 | 3.52E-02 | 2.44E-02 | 2.21E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 |
| BBi-bas | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| BBi-sec | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| bbe-sec | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| AI | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| LN-Th | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| Lng_Tiss | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| Lung_NP | 1.15E-06 | 1.39E-03 | 1.20E-02 | 3.68E-02 | 3.52E-02 | 2.44E-02 | 2.21E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 |
| Lung_TB | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| Lung_P | 3.67E-03 | 3.56E-02 | 7.88E-02 | 8.90E-02 | 5.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 | 2.34E-02 |
| Muscle | 3.17E-02 | 6.43E-02 | 8.53E-02 | 8.31E-02 | 5.01E-02 | 3.26E-02 | 3.11E-02 | 3.33E-02 | 3.54E-02 | 3.24E-02 | 2.94E-02 | 2.73E-02 |
| Ovaries | 8.89E-05 | 1.93E-02 | 6.29E-02 | 9.05E-02 | 5.78E-02 | 3.53E-02 | 3.39E-02 | 3.39E-02 | 3.59E-02 | 3.25E-02 | 3.18E-02 | 3.07E-02 |
| Pancreas | 2.34E-05 | 3.82E-03 | 2.14E-02 | 5.53E-02 | 4.79E-02 | 3.13E-02 | 3.00E-02 | 3.00E-02 | 3.17E-02 | 2.90E-02 | 2.66E-02 | 2.06E-02 |
| R_Marrow | 9.62E-01 | 7.40E-01 | 5.59E-01 | 3.24E-01 | 1.53E-01 | 9.92E-02 | 1.02E-01 | 1.05E-01 | 9.99E-02 | 9.09E-02 | 8.35E-02 | 6.77E-02 |
| Skin | 3.90E-02 | 7.39E-02 | 8.88E-02 | 8.88E-02 | 4.10E-02 | 2.57E-02 | 2.82E-02 | 3.32E-02 | 3.25E-02 | 3.03E-02 | 2.45E-02 | 2.45E-02 |
| Spleen | 1.11E-03 | 1.30E-02 | 3.80E-02 | 5.99E-02 | 4.63E-02 | 2.94E-02 | 2.93E-02 | 3.22E-02 | 2.90E-02 | 2.68E-02 | 2.52E-02 | 2.07E-02 |
| Testes | 1.07E-08 | 3.84E-04 | 6.10E-03 | 2.43E-02 | 2.35E-02 | 1.54E-02 | 1.54E-02 | 1.71E-02 | 1.72E-02 | 1.65E-02 | 1.56E-02 | 1.30E-02 |
| Thymus | 1.83E-03 | 2.12E-02 | 4.09E-02 | 4.64E-02 | 3.30E-02 | 2.09E-02 | 2.18E-02 | 2.37E-02 | 2.32E-02 | 2.06E-02 | 1.87E-02 | 1.62E-02 |
| Thyroid | 1.15E-06 | 1.39E-03 | 1.20E-02 | 3.68E-02 | 3.52E-02 | 2.44E-02 | 2.21E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 |
| GB_Wall1 | 5.86E-08 | 4.50E-04 | 7.92E-03 | 3.57E-02 | 3.52E-02 | 2.47E-02 | 2.43E-02 | 2.29E-02 | 2.25E-02 | 2.02E-02 | 1.82E-02 | 1.65E-02 |
| Ht_Wall1 | 7.51E-04 | 8.96E-03 | 2.79E-02 | 4.84E-02 | 3.85E-02 | 2.47E-02 | 2.48E-02 | 2.57E-02 | 2.39E-02 | 2.23E-02 | 2.10E-02 | 1.82E-02 |
| Uterus | 7.97E-08 | 1.31E-03 | 1.76E-02 | 4.87E-02 | 4.15E-02 | 2.75E-02 | 2.60E-02 | 2.59E-02 | 2.53E-02 | 2.24E-02 | 2.04E-02 | 1.82E-02 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 4.39E-04 | 7.67E-03 | 2.30E-02 | 4.12E-02 | 2.94E-02 | 2.13E-02 | 2.23E-02 | 2.49E-02 | 2.52E-02 | 2.23E-02 | 2.02E-02 | 1.77E-02 |
| UB_Wall1 | 2.44E-04 | 1.29E-02 | 3.52E-02 | 5.56E-02 | 3.63E-02 | 2.42E-02 | 2.53E-02 | 2.51E-02 | 2.51E-02 | 2.27E-02 | 2.06E-02 | 1.72E-02 |
| Bone_Sur | 1.63E-01 | 3.57E-01 | 4.58E-01 | 4.09E-01 | 2.12E-01 | 7.80E-02 | 4.92E-02 | 3.90E-02 | 3.57E-02 | 3.34E-02 | 3.16E-02 | 2.76E-02 |
| Brain | 6.77E-04 | 1.38E-02 | 4.26E-02 | 5.44E-02 | 3.23E-02 | 2.10E-02 | 2.36E-02 | 2.49E-02 | 2.36E-02 | 2.25E-02 | 2.12E-02 | 1.64E-02 |
| Breasts | 1.36E+00 | 8.94E-01 | 5.11E-01 | 1.93E-01 | 6.84E-02 | 4.19E-02 | 4.91E-02 | 5.71E-02 | 5.24E-02 | 4.69E-02 | 4.34E-02 | 3.84E-02 |
| St_Wall1 | 1.53E-04 | 8.02E-03 | 2.77E-02 | 4.56E-02 | 3.17E-02 | 2.19E-02 | 2.31E-02 | 2.49E-02 | 2.46E-02 | 2.34E-02 | 2.16E-02 | 1.48E-02 |
| SI_Wall1 | 2.33E-06 | 1.78E-03 | 1.06E-02 | 3.32E-02 | 2.88E-02 | 1.90E-02 | 2.02E-02 | 2.31E-02 | 1.96E-02 | 1.88E-02 | 1.83E-02 | 1.58E-02 |
| ULI_Wall1 | 3.16E-06 | 1.83E-03 | 1.38E-02 | 3.61E-02 | 2.88E-02 | 1.90E-02 | 2.07E-02 | 2.27E-02 | 1.99E-02 | 1.95E-02 | 1.99E-02 | 1.46E-02 |
| LLI_Wall1 | 7.12E-03 | 1.49E-02 | 2.73E-02 | 4.53E-02 | 3.29E-02 | 2.38E-02 | 2.33E-02 | 2.50E-02 | 2.50E-02 | 2.37E-02 | 2.23E-02 | 1.86E-02 |
| Kidneys | 2.89E-03 | 2.55E-02 | 4.55E-02 | 5.12E-02 | 3.26E-02 | 2.26E-02 | 2.44E-02 | 2.60E-02 | 2.62E-02 | 2.56E-02 | 2.43E-02 | 1.86E-02 |
| Liver | 1.24E-03 | 1.21E-02 | 3.44E-02 | 4.97E-02 | 3.16E-02 | 2.10E-02 | 2.36E-02 | 2.57E-02 | 2.46E-02 | 2.31E-02 | 2.17E-02 | 1.78E-02 |
| ET1-bas | 7.12E-07 | 1.98E-03 | 1.84E-02 | 4.47E-02 | 3.16E-02 | 1.99E-02 | 2.10E-02 | 2.23E-02 | 2.25E-02 | 2.05E-02 | 1.92E-02 | 1.94E-02 |
| ET2-bas | 7.12E-07 | 1.98E-03 | 1.84E-02 | 4.47E-02 | 3.16E-02 | 1.99E-02 | 2.10E-02 | 2.23E-02 | 2.25E-02 | 2.05E-02 | 1.92E-02 | 1.94E-02 |
| LN-ET | 7.12E-07 | 1.98E-03 | 1.84E-02 | 4.47E-02 | 3.16E-02 | 1.99E-02 | 2.10E-02 | 2.23E-02 | 2.25E-02 | 2.05E-02 | 1.92E-02 | 1.94E-02 |
| BBi-bas | 3.87E-03 | 1.48E-02 | 3.85E-02 | 5.28E-02 | 3.37E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.21E-02 | 2.13E-02 | 1.88E-02 |
| BBi-sec | 3.87E-03 | 1.48E-02 | 3.85E-02 | 5.28E-02 | 3.37E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.21E-02 | 2.13E-02 | 1.88E-02 |
| bbe-sec | 3.87E-03 | 1.48E-02 | 3.85E-02 | 5.28E-02 | 3.37E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.21E-02 | 2.13E-02 | 1.88E-02 |
| AI | 3.87E-03 | 1.48E-02 | 3.85E-02 | 5.28E-02 | 3.37E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.21E-02 | 2.13E-02 | 1.88E-02 |
| LN-Th | 3.87E-03 | 1.48E-02 | 3.85E-02 | 5.28E-02 | 3.37E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.21E-02 | 2.13E-02 | 1.88E-02 |
| Lng_Tiss | 3.87E-03 | 1.48E-02 | 3.85E-02 | 5.28E-02 | 3.37E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.21E-02 | 2.13E-02 | 1.88E-02 |
| Lung_NP | 7.12E-07 | 1.98E-03 | 1.84E-02 | 4.47E-02 | 3.16E-02 | 1.99E-02 | 2.10E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.21E-02 | 2.13E-02 |
| Lung_TB | 3.87E-03 | 1.48E-02 | 3.85E-02 | 5.28E-02 | 3.37E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.21E-02 | 2.13E-02 | 1.88E-02 |
| Lung_P | 3.87E-03 | 1.48E-02 | 3.85E-02 | 5.28E-02 | 3.37E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.21E-02 | 2.13E-02 | 1.88E-02 |
| Muscle | 1.24E-01 | 1.37E-01 | 1.48E-02 | 3.85E-02 | 5.28E-02 | 3.37E-02 | 2.14E-02 | 2.31E-02 | 2.39E-02 | 2.30E-02 | 2.21E-02 | 2.13E-02 |
| Ovaries | 3.56E-10 | 5.16E-04 | 7.05E-03 | 3.14E-02 | 2.81E-02 | 2.09E-02 | 1.89E-02 | 2.35E-02 | 2.23E-02 | 2.25E-02 | 2.05E-02 | 1.75E-02 |
| Pancreas | 3.03E-08 | 6.37E-04 | 8.68E-03 | 2.92E-02 | 2.76E-02 | 1.87E-02 | 2.06E-02 | 2.07E-02 | 1.95E-02 | 1.91E-02 | 1.81E-02 | 1.31E-02 |
| R_Marrow | 4.07E-02 | 7.43E-02 | 8.81E-02 | 7.49E-02 | 4.32E-02 | 2.73E-02 | 2.76E-02 | 3.23E-02 | 3.24E-02 | 3.17E-02 | 3.05E-02 | 2.50E-02 |
| Skin | 3.03E+00 | 1.34E+00 | 6.81E-01 | 2.46E-01 | 8.70E-02 | 5.36E-02 | 5.89E-02 | 6.85E-02 | 6.86E-02 | 6.85E-02 | 6.40E-02 | 5.95E-02 |
| Spleen | 8.55E-05 | 6.50E-03 | 2.60E-02 | 4.54E-02 | 3.19E-02 | 2.09E-02 | 2.32E-02 | 2.61E-02 | 2.54E-02 | 2.34E-02 | 2.16E-02 | 1.75E-02 |
| Testes | 2.22E-01 | 4.01E-01 | 3.58E-01 | 1.90E-01 | 7.46E-02 | 4.59E-02 | 4.79E-02 | 5.53E-02 | 5.36E-02 | 4.74E-02 | 4.29E-02 | 3.56E-02 |
| Thymus | 1.82E-03 | 2.31E-02 | 5.95E-02 | 6.63E-02 | 3.60E-02 | 2.32E-02 | 2.55E-02 | 2.86E-02 | 2.85E-02 | 2.55E-02 | 2.31E-02 | 1.93E-02 |
| Thyroid | 7.12E-07 | 1.98E-03 | 1.84E-02 | 4.47E-02 | 3.16E-02 | 1.99E-02 | 2.10E-02 | 2.23E-02 | 2.25E-02 | 2.05E-02 | 1.92E-02 | 1.94E-02 |
| GB_Wall1 | 3.34E-08 | 9.73E-04 | 8.19E-03 | 3.16E-02 | 2.78E-02 | 1.90E-02 | 1.84E-02 | 2.15E-02 | 2.00E-02 | 1.84E-02 | 1.73E-02 | 1.49E-02 |
| Ht_Wall1 | 1.15E-03 | 9.77E-03 | 2.51E-02 | 4.45E-02 | 3.18E-02 | 2.04E-02 | 2.30E-02 | 2.47E-02 | 2.32E-02 | 2.27E-02 | 2.17E-02 | 1.66E-02 |
| Uterus | 4.54E-08 | 8.19E-04 | 9.56E-03 | 3.46E-02 | 3.00E-02 | 1.93E-02 | 1.98E-02 | 2.34E-02 | 2.21E-02 | 2.06E-02 | 1.57E-02 | 1.57E-02 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 5.31E-03 | 3.71E-01 | 7.85E-01 | 8.39E-01 | 4.09E-01 | 2.18E-01 | 2.15E-01 | 2.30E-01 | 2.22E-01 | 1.82E-01 | 1.47E-01 | |
| UB_Wall1 | 0.0 | 1.37E-06 | 8.70E-04 | 1.26E-02 | 2.60E-02 | 2.39E-02 | 1.75E-02 | 2.00E-02 | 1.95E-02 | 1.65E-02 | 1.23E-02 | |
| Bone_Sur | 5.43E-03 | 7.95E-02 | 2.56E-01 | 4.51E-01 | 3.03E-01 | 9.30E-02 | 5.22E-02 | 4.64E-02 | 4.15E-02 | 3.87E-02 | 3.66E-02 | 3.04E-02 |
| Brain | 0.0 | 0.0 | 6.02E-07 | 4.26E-04 | 2.21E-03 | 2.38E-03 | 2.83E-03 | 3.27E-03 | 3.11E-03 | 3.18E-03 | 3.25E-03 | 3.27E-03 |
| Breasts | 0.0 | 4.30E-05 | 1.44E-02 | 3.63E-02 | 4.54E-02 | 3.43E-02 | 3.51E-02 | 3.48E-02 | 2.66E-02 | 2.24E-02 | 2.04E-02 | 1.90E-02 |
| St_Wall1 | 6.00E-04 | 1.26E-01 | 4.92E-01 | 6.92E-01 | 3.30E-01 | 1.94E-01 | 1.86E-01 | 1.88E-01 | 1.73E-01 | 1.62E-01 | 1.51E-01 | 1.15E-01 |
| SI_Wall1 | 4.86E-06 | 5.15E-03 | 5.31E-02 | 1.47E-01 | 1.13E-01 | 6.49E-02 | 6.69E-02 | 6.66E-02 | 6.19E-02 | 5.73E-02 | 5.33E-02 | 4.31E-02 |
| ULI_Wall1 | 7.18E-07 | 5.04E-03 | 5.30E-02 | 1.33E-01 | 1.02E-01 | 6.21E-02 | 5.70E-02 | 5.53E-02 | 5.60E-02 | 5.31E-02 | 4.94E-02 | 3.82E-02 |
| LLI_Wall1 | 1.34E-08 | 1.06E-03 | 1.69E-02 | 6.42E-02 | 5.90E-02 | 3.61E-02 | 4.03E-02 | 4.13E-02 | 3.59E-02 | 3.03E-02 | 2.74E-02 | 2.65E-02 |
| Kidneys | 8.56E-02 | 6.66E-01 | 1.19E+00 | 9.27E-01 | 4.24E-01 | 2.33E-01 | 2.38E-01 | 2.34E-01 | 2.26E-01 | 2.13E-01 | 1.99E-01 | 1.57E-01 |
| Liver | 2.51E-09 | 8.94E-04 | 2.31E-02 | 9.79E-02 | 8.49E-02 | 5.16E-02 | 4.93E-02 | 5.16E-02 | 4.71E-02 | 4.24E-02 | 3.94E-02 | 3.45E-02 |
| ET1-bas | 0.0 | 3.72E-08 | 1.43E-04 | 1.00E-02 | 1.64E-02 | 1.50E-02 | 1.36E-02 | 1.26E-02 | 1.15E-02 | 1.07E-02 | 1.00E-02 | 8.32E-02 |
| ET2-bas | 0.0 | 3.72E-08 | 1.43E-04 | 1.00E-02 | 1.64E-02 | 1.50E-02 | 1.36E-02 | 1.26E-02 | 1.15E-02 | 1.07E-02 | 1.00E-02 | 8.32E-02 |
| LN-ET | 0.0 | 3.72E-08 | 1.43E-04 | 1.00E-02 | 1.64E-02 | 1.50E-02 | 1.36E-02 | 1.26E-02 | 1.15E-02 | 1.07E-02 | 1.00E-02 | 8.32E-02 |
| BBi-bas | 2.06E-02 | 1.71E-01 | 3.35E-01 | 2.94E-01 | 1.50E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| BBi-sec | 2.06E-02 | 1.71E-01 | 3.35E-01 | 2.94E-01 | 1.50E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| bbe-sec | 2.06E-02 | 1.71E-01 | 3.35E-01 | 2.94E-01 | 1.50E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| AI | 2.06E-02 | 1.71E-01 | 3.35E-01 | 2.94E-01 | 1.50E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| LN-Th | 2.06E-02 | 1.71E-01 | 3.35E-01 | 2.94E-01 | 1.50E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| Lng_Tiss | 2.06E-02 | 1.71E-01 | 3.35E-01 | 2.94E-01 | 1.50E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| Lung_NP | 0.0 | 3.72E-08 | 1.43E-04 | 1.00E-02 | 1.64E-02 | 1.50E-02 | 1.36E-02 | 1.26E-02 | 1.15E-02 | 1.07E-02 | 1.00E-02 | 8.32E-03 |
| Lung_TB | 2.06E-02 | 1.71E-01 | 3.35E-01 | 2.94E-01 | 1.50E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| Lung_P | 2.06E-02 | 1.71E-01 | 3.35E-01 | 2.94E-01 | 1.50E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| Muscle | 5.12E-02 | 1.31E-01 | 3.35E-01 | 2.94E-01 | 1.50E-01 | 7.87E-02 | 7.67E-02 | 7.94E-02 | 7.32E-02 | 6.47E-02 | 5.85E-02 | 4.72E-02 |
| Ovaries | 0.0 | 1.11E-04 | 8.77E-03 | 4.00E-02 | 6.16E-02 | 4.37E-02 | 3.56E-02 | 3.03E-02 | 2.98E-02 | 2.89E-02 | 2.75E-02 | 2.25E-02 |
| Pancreas | 2.08E-01 | 1.50E+00 | 2.37E+00 | 1.72E+00 | 7.25E-01 | 4.23E-01 | 3.98E-01 | 4.17E-01 | 3.93E-01 | 3.51E-01 | 3.21E-01 | 2.76E-01 |
| R_Marrow | 8.30E-04 | 1.10E-02 | 3.33E-02 | 5.67E-02 | 4.58E-02 | 3.08E-02 | 3.07E-02 | 3.23E-02 | 2.89E-02 | 2.68E-02 | 2.52E-02 | 2.07E-02 |
| Skin | 8.55E-05 | 6.50E-03 | 2.60E-02 | 4.54E-02 | 3.19E-02 | 2.09E-02 | 2.32E-02 | 2.61E-02 | 2.54E-02 | 4.15E-02 | 3.34E-02 | 3.4E-02 |
| Spleen | 9.61E+01 | 6.84E+01 | 4.18E+01 | 1.61E+01 | 5.09E+00 | 2.87E+00 | 3.17E+00 | 3.46E+00 | 3.26E+00 | 2.98E+00 | 2.75E+00 | 2.21E+00 |
| Testes | 0.0 | 7.72E-09 | 6.52E-05 | 4.42E-03 | 8.33E-03 | 9.44E-03 | 9.59E-03 | 8.90E-03 | 9.27E-03 | 9.31E-03 | 8.97E-03 | 7.09E-03 |
| Thymus | 0.0 | 2.45E-06 | 1.18E-03 | 1.98E-02 | 2.79E-02 | 1.82E-02 | 1.89E-02 | 1.68E-02 | 1.97E-02 | 1.87E-02 | 1.77E-02 | 1.46E-02 |
| Thyroid | 0.0 | 3.72E-08 | 1.43E-04 | 1.00E-02 | 1.64E-02 | 1.50E-02 | 1.36E-02 | 1.26E-02 | 1.15E-02 | 1.07E-02 | 1.00E-02 | 8.32E-03 |
| GB_Wall1 | 6.45E-07 | 1.39E-02 | 9.99E-02 | 3.00E-01 | 2.03E-01 | 1.21E-01 | 1.07E-01 | 1.12E-01 | 9.66E-02 | 9.10E-02 | 8.70E-02 | 7.07E-02 |
| Ht_Wall1 | 2.76E-08 | 2.77E-03 | 4.26E-02 | 1.50E-01 | 1.15E-01 | 6.22E-02 | 6.14E-02 | 5.13E-02 | 4.96E-02 | 4.91E-02 | 4.35E-02 | |
| Uterus | 0.0 | 2.94E-05 | 4.99E-03 | 4.76E-02 | 4.45E-02 | 4.05E-02 | 3.67E-02 | 3.20E-02 | 2.85E-02 | 2.65E-02 | 2.52E-02 | 2.21E-02 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| Source = Testes | Energy (MeV) | | | | | | | |
|-----------------|--------------|----------|----------|----------|----------|----------|----------|----------|
| | 0.010 | 0.015 | 0.020 | 0.030 | 0.050 | 0.100 | 0.200 | 0.500 |
| Target | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Adrenals | 0.0 | 1.34E-09 | 2.95E-05 | 3.03E-03 | 7.74E-03 | 7.95E-03 | 8.17E-03 | 8.33E-03 |
| UB_Wall1 | 8.05E-04 | 2.01E-01 | 7.66E-01 | 9.14E-01 | 3.91E-01 | 2.55E-01 | 2.54E-01 | 2.22E-01 |
| Bone_Sur | 1.94E-07 | 5.44E-03 | 6.53E-02 | 2.43E-01 | 1.88E-01 | 5.86E-02 | 3.48E-02 | 2.91E-02 |
| Brain | 0.0 | 0.0 | 0.0 | 0.0 | 3.39E-06 | 1.06E-04 | 2.17E-04 | 3.76E-04 |
| Breasts | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| St_Wall1 | 0.0 | 1.69E-07 | 2.84E-04 | 9.99E-03 | 1.48E-02 | 1.47E-02 | 1.30E-02 | 1.23E-02 |
| SI_Wall1 | 0.0 | 7.49E-05 | 5.26E-03 | 4.72E-02 | 5.33E-02 | 3.60E-02 | 3.36E-02 | 3.11E-02 |
| ULI_Wall1 | 0.0 | 7.72E-05 | 7.00E-03 | 3.34E-02 | 5.57E-02 | 3.67E-02 | 2.98E-02 | 2.82E-02 |
| LLI_Wall1 | 7.83E-05 | 5.73E-02 | 2.51E-01 | 4.14E-01 | 2.27E-01 | 1.23E-01 | 1.13E-01 | 1.35E-01 |
| Kidneys | 0.0 | 3.50E-08 | 1.46E-04 | 5.83E-03 | 7.94E-03 | 1.02E-02 | 1.11E-02 | 1.09E-02 |
| Liver | 0.0 | 1.39E-07 | 2.18E-04 | 5.77E-03 | 1.02E-02 | 9.12E-03 | 9.11E-03 | 9.11E-02 |
| ET1-bas | 0.0 | 1.90E-08 | 7.27E-05 | 9.37E-04 | 1.65E-03 | 1.95E-03 | 2.23E-03 | 2.23E-03 |
| ET2-bas | 0.0 | 1.90E-08 | 7.27E-05 | 9.37E-04 | 1.65E-03 | 1.95E-03 | 2.23E-03 | 2.23E-03 |
| LN-ET | 0.0 | 0.0 | 1.90E-08 | 7.27E-05 | 9.37E-04 | 1.65E-03 | 1.95E-03 | 2.23E-03 |
| BBi-bas | 0.0 | 0.0 | 5.26E-06 | 1.05E-03 | 2.44E-03 | 3.25E-03 | 3.72E-03 | 4.03E-03 |
| BBi-sec | 0.0 | 0.0 | 5.26E-06 | 1.05E-03 | 2.44E-03 | 3.25E-03 | 3.72E-03 | 4.03E-03 |
| bbe-sec | 0.0 | 0.0 | 5.26E-06 | 1.05E-03 | 2.44E-03 | 3.25E-03 | 3.72E-03 | 4.03E-03 |
| AI | 0.0 | 0.0 | 5.26E-06 | 1.05E-03 | 2.44E-03 | 3.25E-03 | 3.72E-03 | 4.03E-03 |
| LN-Th | 0.0 | 0.0 | 5.26E-06 | 1.05E-03 | 2.44E-03 | 3.25E-03 | 3.72E-03 | 4.03E-03 |
| Lng_Tiss | 0.0 | 0.0 | 5.26E-06 | 1.05E-03 | 2.44E-03 | 3.25E-03 | 3.72E-03 | 4.03E-03 |
| Lung_NP | 0.0 | 0.0 | 1.90E-08 | 7.27E-05 | 9.37E-04 | 1.65E-03 | 1.95E-03 | 2.23E-03 |
| Lung_TB | 0.0 | 0.0 | 5.26E-06 | 1.05E-03 | 2.44E-03 | 3.25E-03 | 3.72E-03 | 4.03E-03 |
| Lung_P | 0.0 | 0.0 | 5.26E-06 | 1.05E-03 | 2.44E-03 | 3.25E-03 | 3.72E-03 | 4.03E-03 |
| Muscle | 1.05E-01 | 1.87E-01 | 2.10E-01 | 1.58E-01 | 7.62E-02 | 4.57E-02 | 4.81E-02 | 5.18E-02 |
| Ovaries | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Pancreas | 0.0 | 1.33E-08 | 9.59E-05 | 5.59E-03 | 1.29E-02 | 1.53E-02 | 1.05E-02 | 1.08E-02 |
| R_Marrow | 2.96E-08 | 3.77E-04 | 5.28E-03 | 2.31E-02 | 2.32E-02 | 1.58E-02 | 1.73E-02 | 1.72E-02 |
| Skin | 2.22E-01 | 4.01E-01 | 3.58E-01 | 1.90E-01 | 7.46E-02 | 4.59E-02 | 4.79E-02 | 5.53E-02 |
| Spleen | 0.0 | 7.72E-09 | 6.52E-05 | 4.42E-03 | 8.33E-03 | 9.44E-03 | 9.59E-03 | 8.90E-03 |
| Testes | 8.36E+02 | 4.40E+02 | 2.21E+02 | 7.26E+01 | 2.21E+01 | 1.26E+01 | 1.34E+01 | 1.56E+01 |
| Thymus | 0.0 | 0.0 | 2.78E-07 | 2.67E-04 | 2.03E-03 | 2.85E-03 | 3.00E-03 | 3.24E-03 |
| Thyroid | 0.0 | 0.0 | 1.90E-08 | 7.27E-05 | 9.37E-04 | 1.65E-03 | 1.95E-03 | 2.23E-03 |
| GB_Wall1 | 0.0 | 4.38E-07 | 5.34E-04 | 1.32E-02 | 2.18E-02 | 1.61E-02 | 1.49E-02 | 1.55E-02 |
| Ht_Wall1 | 0.0 | 0.0 | 6.23E-06 | 1.26E-03 | 1.94E-03 | 2.42E-03 | 2.96E-03 | 5.46E-03 |
| Uterus | 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 the Newborn

| 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 | 4.97E-06 | 1.85E-03 | 2.75E-02 | 3.07E-02 | 2.71E-02 | 2.41E-02 | 2.38E-02 | 2.31E-02 | 2.15E-02 | 2.00E-02 | 1.67E-02 |
| UB_Wall | 0.0 | 0.0 | 3.62E-06 | 9.51E-04 | 2.52E-03 | 4.26E-03 | 5.49E-03 | 5.54E-03 | 5.14E-03 | 4.98E-03 | 4.81E-03 | 4.03E-03 |
| Bone_Sur | 1.00E-02 | 1.33E-01 | 2.73E-01 | 3.50E-01 | 2.19E-01 | 6.57E-02 | 3.80E-02 | 3.47E-02 | 3.31E-02 | 2.91E-02 | 2.63E-02 | 2.28E-02 |
| Brain | 0.0 | 7.65E-07 | 3.81E-04 | 5.07E-03 | 1.19E-02 | 8.96E-03 | 1.01E-02 | 1.16E-02 | 1.01E-02 | 1.14E-02 | 1.13E-02 | 9.96E-03 |
| Breasts | 1.23E-06 | 2.15E-02 | 9.91E-02 | 2.54E-01 | 1.58E-01 | 1.02E-01 | 9.72E-02 | 1.17E-01 | 1.06E-01 | 9.11E-02 | 8.31E-02 | 7.82E-02 |
| St_Wall | 0.0 | 3.81E-05 | 4.16E-03 | 2.13E-02 | 3.64E-02 | 2.48E-02 | 2.40E-02 | 2.98E-02 | 2.61E-02 | 2.35E-02 | 2.17E-02 | 1.73E-02 |
| SI_Wall | 0.0 | 1.87E-08 | 8.34E-05 | 3.57E-03 | 8.68E-03 | 9.21E-03 | 9.29E-03 | 9.94E-03 | 8.87E-03 | 8.61E-03 | 8.50E-03 | 7.89E-03 |
| ULI_Wall | 0.0 | 5.49E-08 | 1.47E-04 | 4.26E-03 | 9.44E-03 | 1.14E-02 | 9.28E-03 | 9.24E-03 | 1.02E-02 | 1.01E-02 | 9.62E-03 | 7.93E-03 |
| LLI_Wall | 0.0 | 2.06E-09 | 1.75E-05 | 1.67E-03 | 3.30E-03 | 5.09E-03 | 5.55E-03 | 5.87E-03 | 6.02E-03 | 5.78E-03 | 5.47E-03 | 4.56E-03 |
| Kidneys | 0.0 | 1.72E-07 | 2.96E-04 | 8.57E-03 | 1.42E-02 | 1.47E-02 | 1.28E-02 | 1.23E-02 | 1.17E-02 | 1.13E-02 | 1.10E-02 | 1.06E-02 |
| Liver | 0.0 | 8.82E-05 | 6.28E-03 | 4.02E-02 | 3.98E-02 | 2.61E-02 | 2.71E-02 | 2.89E-02 | 2.88E-02 | 2.53E-02 | 2.28E-02 | 2.13E-02 |
| ET1-bas | 1.09E-02 | 4.45E-01 | 9.61E-01 | 1.02E+00 | 4.72E-01 | 2.60E-01 | 2.58E-01 | 2.76E-01 | 2.47E-01 | 2.42E-01 | 2.38E-01 | 2.00E-01 |
| ET2-bas | 1.09E-02 | 4.45E-01 | 9.61E-01 | 1.02E+00 | 4.72E-01 | 2.60E-01 | 2.58E-01 | 2.76E-01 | 2.47E-01 | 2.42E-01 | 2.38E-01 | 2.00E-01 |
| LN-ET | 1.09E-02 | 4.45E-01 | 9.61E-01 | 1.02E+00 | 4.72E-01 | 2.60E-01 | 2.58E-01 | 2.76E-01 | 2.47E-01 | 2.42E-01 | 2.38E-01 | 2.00E-01 |
| BBi-bas | 1.32E-04 | 4.03E-02 | 1.72E-01 | 2.58E-01 | 1.41E-01 | 8.11E-02 | 7.83E-02 | 7.85E-02 | 7.84E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| BBi-sec | 1.32E-04 | 4.03E-02 | 1.72E-01 | 2.58E-01 | 1.41E-01 | 8.11E-02 | 7.83E-02 | 7.85E-02 | 7.84E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| bbe-sec | 1.32E-04 | 4.03E-02 | 1.72E-01 | 2.58E-01 | 1.41E-01 | 8.11E-02 | 7.83E-02 | 7.85E-02 | 7.84E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| AI | 1.32E-04 | 4.03E-02 | 1.72E-01 | 2.58E-01 | 1.41E-01 | 8.11E-02 | 7.83E-02 | 7.85E-02 | 7.84E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| LN-Th | 1.32E-04 | 4.03E-02 | 1.72E-01 | 2.58E-01 | 1.41E-01 | 8.11E-02 | 7.83E-02 | 7.85E-02 | 7.84E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| Lng_Tiss | 1.32E-04 | 4.03E-02 | 1.72E-01 | 2.58E-01 | 1.41E-01 | 8.11E-02 | 7.83E-02 | 7.85E-02 | 7.84E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| Lung_NP | 1.09E-02 | 4.45E-01 | 9.61E-01 | 1.02E+00 | 4.72E-01 | 2.60E-01 | 2.58E-01 | 2.76E-01 | 2.47E-01 | 2.42E-01 | 2.38E-01 | 2.00E-01 |
| Lung_TB | 1.32E-04 | 4.03E-02 | 1.72E-01 | 2.58E-01 | 1.41E-01 | 8.11E-02 | 7.83E-02 | 7.85E-02 | 7.84E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| Lung_P | 1.32E-04 | 4.03E-02 | 1.72E-01 | 2.58E-01 | 1.41E-01 | 8.11E-02 | 7.83E-02 | 7.85E-02 | 7.84E-02 | 6.88E-02 | 6.11E-02 | 4.88E-02 |
| Muscle | 5.54E-02 | 1.31E-01 | 1.71E-01 | 1.47E-01 | 7.57E-02 | 4.47E-02 | 4.63E-02 | 4.86E-02 | 4.58E-02 | 4.25E-02 | 3.95E-02 | 3.15E-02 |
| Ovaries | 0.0 | 3.53E-10 | 1.27E-05 | 1.89E-03 | 3.64E-03 | 5.96E-03 | 7.04E-03 | 6.91E-03 | 6.61E-03 | 6.36E-03 | 6.16E-03 | 5.13E-03 |
| Pancreas | 0.0 | 1.68E-05 | 3.56E-03 | 2.49E-02 | 4.68E-02 | 3.05E-02 | 2.51E-02 | 2.32E-02 | 2.49E-02 | 2.52E-02 | 2.45E-02 | 1.98E-02 |
| R_Marrow | 1.58E-03 | 1.88E-02 | 3.60E-02 | 4.47E-02 | 3.39E-02 | 2.24E-02 | 2.27E-02 | 2.37E-02 | 2.32E-02 | 2.06E-02 | 1.87E-02 | 1.62E-02 |
| Skin | 1.82E-03 | 2.31E-02 | 5.95E-02 | 6.63E-02 | 3.60E-02 | 2.32E-02 | 2.55E-02 | 2.86E-02 | 2.85E-02 | 2.55E-02 | 2.31E-02 | 1.93E-02 |
| Spleen | 0.0 | 2.45E-06 | 1.18E-03 | 1.98E-02 | 2.79E-02 | 1.82E-02 | 1.89E-02 | 1.68E-02 | 1.97E-02 | 1.87E-02 | 1.77E-02 | 1.46E-02 |
| Testes | 0.0 | 0.0 | 2.78E-07 | 2.67E-04 | 2.03E-03 | 2.85E-03 | 3.00E-03 | 3.24E-03 | 3.32E-03 | 3.23E-03 | 3.10E-03 | 2.73E-03 |
| Thymus | 7.69E+01 | 5.42E+01 | 3.33E+01 | 1.29E+01 | 4.23E+00 | 2.37E+00 | 2.54E+00 | 2.75E+00 | 2.61E+00 | 2.42E+00 | 2.25E+00 | 1.81E+00 |
| Thyroid | 1.09E-02 | 4.45E-01 | 9.61E-01 | 1.02E+00 | 4.72E-01 | 2.60E-01 | 2.58E-01 | 2.76E-01 | 2.47E-01 | 2.42E-01 | 2.38E-01 | 2.00E-01 |
| GB_Wall | 0.0 | 7.54E-06 | 2.03E-03 | 3.03E-02 | 3.06E-02 | 2.45E-02 | 2.04E-02 | 1.77E-02 | 1.54E-02 | 1.47E-02 | 1.45E-02 | 1.50E-02 |
| Ht_Wall | 3.54E-02 | 2.96E-01 | 5.94E-01 | 5.92E-01 | 2.96E-01 | 1.64E-01 | 1.74E-01 | 1.69E-01 | 1.49E-01 | 1.33E-01 | 1.33E-01 | 1.03E-01 |
| Uterus | 0.0 | 3.37E-10 | 1.23E-05 | 1.85E-03 | 2.85E-03 | 4.44E-03 | 5.90E-03 | 6.82E-03 | 6.60E-03 | 6.34E-03 | 6.07E-03 | 5.10E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| Source = Thyroid | Target | Energy (MeV) | | | | | | | | | | |
|------------------|----------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | | 0.010 | 0.015 | 0.020 | 0.030 | 0.050 | 0.100 | 0.200 | 0.500 | 1.000 | 1.500 | 2.000 |
| Adrenals | 0.0 | 9.36E-08 | 2.57E-04 | 1.02E-02 | 1.84E-02 | 1.72E-02 | 1.59E-02 | 1.42E-02 | 1.27E-02 | 1.18E-02 | 1.11E-02 | 9.65E-03 |
| UB_Wall | 0.0 | 0.0 | 2.38E-07 | 2.52E-04 | 1.97E-03 | 2.80E-03 | 3.08E-03 | 3.36E-03 | 3.08E-03 | 3.31E-03 | 3.16E-03 | 3.22E-03 |
| Bone_Sur | 1.44E-06 | 5.93E-03 | 6.50E-02 | 2.34E-01 | 1.98E-01 | 6.84E-02 | 3.47E-02 | 2.93E-02 | 2.73E-02 | 2.55E-02 | 2.42E-02 | 2.09E-02 |
| Brain | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.69E-02 | 2.52E-02 | 2.41E-02 | 2.31E-02 | 2.02E-02 |
| Breasts | 0.0 | 6.90E-05 | 9.11E-03 | 4.12E-02 | 3.73E-02 | 3.34E-02 | 3.21E-02 | 3.43E-02 | 3.33E-02 | 3.17E-02 | 3.03E-02 | 2.48E-02 |
| St_Wall | 0.0 | 1.35E-07 | 2.41E-04 | 1.30E-02 | 1.53E-02 | 1.28E-02 | 1.30E-02 | 1.30E-02 | 1.18E-02 | 1.13E-02 | 1.08E-02 | 8.94E-03 |
| SI_Wall | 0.0 | 0.0 | 6.11E-06 | 1.73E-03 | 3.20E-03 | 4.28E-03 | 4.36E-03 | 5.09E-03 | 5.14E-03 | 4.91E-03 | 4.75E-03 | 4.49E-03 |
| ULI_Wall | 0.0 | 2.17E-10 | 9.91E-06 | 1.63E-03 | 4.14E-03 | 6.31E-03 | 6.19E-03 | 6.10E-03 | 6.05E-03 | 5.92E-03 | 5.80E-03 | 4.83E-03 |
| LLI_Wall | 0.0 | 0.0 | 1.26E-06 | 4.59E-04 | 2.63E-03 | 3.31E-03 | 3.59E-03 | 3.86E-03 | 3.77E-03 | 3.66E-03 | 3.58E-03 | 3.02E-03 |
| Kidneys | 0.0 | 3.00E-09 | 3.95E-05 | 3.74E-03 | 8.20E-03 | 8.49E-03 | 8.49E-03 | 7.56E-03 | 8.37E-03 | 9.00E-03 | 8.40E-03 | 8.00E-03 |
| Liver | 0.0 | 2.44E-07 | 3.17E-04 | 1.12E-02 | 1.81E-02 | 1.37E-02 | 1.26E-02 | 1.30E-02 | 1.31E-02 | 1.27E-02 | 1.22E-02 | 1.02E-02 |
| ET1-bas | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.69E-02 | 2.52E-02 | 2.41E-02 | 2.31E-02 | 2.02E-02 |
| ET2-bas | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.69E-02 | 2.52E-02 | 2.41E-02 | 2.31E-02 | 2.02E-02 |
| LN-ET | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.69E-02 | 2.52E-02 | 2.41E-02 | 2.31E-02 | 2.02E-02 |
| BBi-bas | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| BBi-sec | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| bbe-sec | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| AI | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| LN-Th | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| Lng_Tiss | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| Lung_NP | 0.0 | 1.12E-04 | 3.70E-03 | 3.14E-02 | 3.90E-02 | 2.58E-02 | 2.65E-02 | 2.69E-02 | 2.52E-02 | 2.41E-02 | 2.31E-02 | 2.02E-02 |
| Lung_TB | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| Lung_P | 1.17E-07 | 3.06E-03 | 5.34E-02 | 1.32E-01 | 9.51E-02 | 4.91E-02 | 4.71E-02 | 5.03E-02 | 4.63E-02 | 4.32E-02 | 4.02E-02 | 3.05E-02 |
| Muscle | 1.33E-01 | 2.64E-01 | 3.11E-01 | 2.38E-01 | 1.13E-01 | 6.48E-02 | 6.57E-02 | 6.81E-02 | 6.39E-02 | 5.94E-02 | 5.54E-02 | 4.44E-02 |
| Ovaries | 0.0 | 0.0 | 9.80E-07 | 5.30E-04 | 3.12E-03 | 3.89E-03 | 4.10E-03 | 4.39E-03 | 4.26E-03 | 4.13E-03 | 4.03E-03 | 3.39E-03 |
| Pancreas | 0.0 | 1.06E-07 | 2.79E-04 | 9.80E-03 | 1.18E-02 | 1.35E-02 | 1.41E-02 | 1.37E-02 | 1.30E-02 | 1.24E-02 | 1.20E-02 | 9.87E-03 |
| R_Marrow | 3.20E-06 | 1.05E-03 | 1.09E-02 | 3.75E-02 | 3.73E-02 | 2.61E-02 | 2.30E-02 | 2.28E-02 | 2.15E-02 | 2.02E-02 | 1.91E-02 | 1.64E-02 |
| Skin | 7.12E-07 | 1.98E-03 | 1.84E-02 | 4.47E-02 | 3.16E-02 | 1.99E-02 | 1.99E-02 | 2.10E-02 | 2.23E-02 | 2.25E-02 | 1.92E-02 | 1.94E-02 |
| Spleen | 0.0 | 3.72E-08 | 1.43E-04 | 1.00E-02 | 1.64E-02 | 1.50E-02 | 1.36E-02 | 1.26E-02 | 1.15E-02 | 1.07E-02 | 1.00E-02 | 8.32E-03 |
| Testes | 0.0 | 0.0 | 1.90E-08 | 7.27E-05 | 9.37E-04 | 1.65E-03 | 1.95E-03 | 1.95E-03 | 2.25E-03 | 2.22E-03 | 2.20E-03 | 1.89E-03 |
| Thymus | 1.09E-02 | 4.45E-01 | 9.61E-01 | 1.02E+00 | 4.72E-01 | 2.60E-01 | 2.58E-01 | 2.76E-01 | 2.47E-01 | 2.42E-01 | 2.38E-01 | 2.00E-01 |
| Thyroid | 5.33E+02 | 2.80E+02 | 1.45E+02 | 4.90E+01 | 1.54E+01 | 8.73E+00 | 9.42E+00 | 1.02E+01 | 9.89E+00 | 9.00E+00 | 8.26E+00 | 6.83E+00 |
| GB_Wall | 0.0 | 2.82E-08 | 1.24E-04 | 6.10E-03 | 1.35E-02 | 1.13E-02 | 1.06E-02 | 1.11E-02 | 1.05E-02 | 1.01E-02 | 9.74E-03 | 8.04E-03 |
| Ht_Wall | 8.02E-10 | 7.46E-04 | 1.66E-02 | 8.60E-02 | 8.00E-02 | 5.01E-02 | 4.52E-02 | 4.90E-02 | 4.36E-02 | 3.89E-02 | 3.22E-02 | 3.22E-02 |
| Uterus | 0.0 | 0.0 | 8.68E-07 | 4.98E-04 | 3.01E-03 | 3.78E-03 | 4.01E-03 | 4.29E-03 | 4.04E-03 | 3.95E-03 | 3.32E-03 | 3.32E-03 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| Source = GB_Cont | 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 | 1.49E-05 | 3.18E-02 | 1.51E-01 | 3.63E-01 | 2.48E-01 | 1.37E-01 | 1.35E-01 | 1.23E-01 | 1.09E-01 | 9.90E-02 | 8.18E-02 | | | |
| UB_Wall | 0.0 | 1.26E-04 | 9.90E-03 | 5.07E-02 | 8.04E-02 | 4.52E-02 | 3.46E-02 | 3.68E-02 | 3.60E-02 | 3.27E-02 | 3.05E-02 | 2.38E-02 | | |
| Bone_Sur | 1.07E-07 | 2.28E-03 | 5.15E-02 | 2.44E-01 | 2.27E-01 | 7.88E-02 | 4.10E-02 | 3.31E-02 | 3.23E-02 | 2.94E-02 | 2.70E-02 | 2.31E-02 | | |
| Brain | 0.0 | 0.0 | 2.70E-07 | 2.25E-04 | 8.45E-04 | 1.46E-03 | 1.71E-03 | 2.08E-03 | 2.40E-03 | 2.59E-03 | 2.65E-03 | 2.49E-03 | | |
| Breasts | 0.0 | 7.56E-05 | 9.25E-03 | 6.31E-02 | 4.76E-02 | 3.67E-02 | 3.36E-02 | 3.57E-02 | 3.53E-02 | 3.26E-02 | 3.02E-02 | 2.47E-02 | | |
| St_Wall | 1.12E-02 | 5.18E-01 | 1.18E+00 | 1.22E+00 | 5.81E-01 | 3.14E-01 | 2.89E-01 | 2.82E-01 | 2.82E-01 | 2.74E-01 | 2.59E-01 | 2.00E-01 | | |
| SI_Wall | 3.52E-02 | 1.54E-01 | 4.71E-01 | 6.48E-01 | 3.45E-01 | 1.92E-01 | 1.84E-01 | 1.81E-01 | 1.69E-01 | 1.57E-01 | 1.46E-01 | 1.17E-01 | | |
| ULI_Wall | 3.29E-01 | 9.73E-01 | 1.41E+00 | 1.16E+00 | 5.42E-01 | 2.93E-01 | 3.05E-01 | 3.08E-01 | 3.08E-01 | 2.72E-01 | 2.50E-01 | 1.79E-01 | | |
| LLI_Wall | 2.43E-08 | 2.48E-03 | 3.30E-02 | 1.18E-01 | 1.01E-01 | 5.47E-02 | 5.30E-02 | 5.50E-02 | 4.54E-02 | 4.61E-02 | 4.62E-02 | 3.53E-02 | | |
| Kidneys | 5.72E-08 | 3.83E-03 | 1.01E-01 | 2.87E-01 | 1.96E-01 | 1.07E-01 | 1.11E-01 | 1.11E-01 | 1.06E-01 | 9.15E-02 | 7.98E-02 | 6.70E-02 | | |
| Liver | 9.89E-02 | 7.89E-01 | 1.38E+00 | 1.61E+00 | 5.21E-01 | 2.84E-01 | 2.76E-01 | 2.88E-01 | 2.68E-01 | 2.46E-01 | 2.27E-01 | 1.86E-01 | | |
| ET1-bas | 0.0 | 2.73E-08 | 1.22E-04 | 6.08E-03 | 1.41E-02 | 1.40E-02 | 1.04E-02 | 1.04E-02 | 1.11E-02 | 1.05E-02 | 1.01E-02 | 9.73E-03 | 8.03E-03 | |
| ET2-bas | 0.0 | 2.73E-08 | 1.22E-04 | 6.08E-03 | 1.41E-02 | 1.40E-02 | 1.04E-02 | 1.04E-02 | 1.11E-02 | 1.05E-02 | 1.01E-02 | 9.73E-03 | 8.03E-03 | |
| LN-ET | 0.0 | 2.73E-08 | 1.22E-04 | 6.08E-03 | 1.41E-02 | 1.40E-02 | 1.04E-02 | 1.04E-02 | 1.11E-02 | 1.05E-02 | 1.01E-02 | 9.73E-03 | 8.03E-03 | |
| BBi-bas | 2.68E-07 | 2.90E-03 | 4.44E-02 | 1.33E-01 | 9.14E-02 | 5.69E-02 | 5.12E-02 | 5.00E-02 | 4.68E-02 | 4.37E-02 | 4.10E-02 | 3.45E-02 | | |
| BBi-sec | 2.68E-07 | 2.90E-03 | 4.44E-02 | 1.33E-01 | 9.14E-02 | 5.69E-02 | 5.12E-02 | 5.00E-02 | 4.68E-02 | 4.37E-02 | 4.10E-02 | 3.45E-02 | | |
| bbe-sec | 2.68E-07 | 2.90E-03 | 4.44E-02 | 1.33E-01 | 9.14E-02 | 5.69E-02 | 5.12E-02 | 5.00E-02 | 4.68E-02 | 4.37E-02 | 4.10E-02 | 3.45E-02 | | |
| AI | 2.68E-07 | 2.90E-03 | 4.44E-02 | 1.33E-01 | 9.14E-02 | 5.69E-02 | 5.12E-02 | 5.00E-02 | 4.68E-02 | 4.37E-02 | 4.10E-02 | 3.45E-02 | | |
| LN-Th | 2.68E-07 | 2.90E-03 | 4.44E-02 | 1.33E-01 | 9.14E-02 | 5.69E-02 | 5.12E-02 | 5.00E-02 | 4.68E-02 | 4.37E-02 | 4.10E-02 | 3.45E-02 | | |
| Lng_Tiss | 2.68E-07 | 2.90E-03 | 4.44E-02 | 1.33E-01 | 9.14E-02 | 5.69E-02 | 5.12E-02 | 5.00E-02 | 4.68E-02 | 4.37E-02 | 4.10E-02 | 3.45E-02 | | |
| Lung_NP | 0.0 | 2.73E-08 | 1.22E-04 | 6.08E-03 | 1.41E-02 | 1.40E-02 | 1.04E-02 | 1.04E-02 | 1.11E-02 | 1.05E-02 | 1.01E-02 | 9.73E-03 | 8.03E-03 | |
| Lung_TB | 2.68E-07 | 2.90E-03 | 4.44E-02 | 1.33E-01 | 9.14E-02 | 5.69E-02 | 5.12E-02 | 5.00E-02 | 4.68E-02 | 4.37E-02 | 4.10E-02 | 3.45E-02 | | |
| Lung_P | 2.68E-07 | 2.90E-03 | 4.44E-02 | 1.33E-01 | 9.14E-02 | 5.69E-02 | 5.12E-02 | 5.00E-02 | 4.68E-02 | 4.37E-02 | 4.10E-02 | 3.45E-02 | | |
| Muscle | 6.41E-02 | 1.50E-01 | 8.83E-01 | 1.58E-01 | 8.64E-02 | 5.15E-02 | 5.16E-02 | 5.32E-02 | 5.04E-02 | 4.63E-02 | 4.29E-02 | 3.50E-02 | | |
| Ovaries | 4.60E-10 | 1.53E-03 | 4.57E-02 | 1.70E-01 | 1.54E-01 | 9.63E-02 | 8.19E-02 | 7.38E-02 | 6.60E-02 | 5.97E-02 | 5.56E-02 | 4.55E-02 | | |
| Pancreas | 1.70E+00 | 4.82E+00 | 5.67E+00 | 3.24E+00 | 1.29E+00 | 6.94E-01 | 6.53E-01 | 7.27E-01 | 6.88E-01 | 5.93E-01 | 5.34E-01 | 4.80E-01 | | |
| R_Marrow | 1.56E-07 | 2.97E-04 | 6.76E-03 | 3.18E-02 | 3.43E-02 | 2.45E-02 | 5.69E-02 | 5.12E-02 | 5.00E-02 | 4.68E-02 | 4.37E-02 | 4.10E-02 | | |
| Skin | 1.73E-08 | 8.15E-04 | 8.34E-03 | 3.10E-02 | 2.74E-02 | 1.90E-02 | 1.82E-02 | 1.97E-02 | 1.82E-02 | 1.96E-02 | 1.84E-02 | 1.69E-02 | | |
| Spleen | 3.85E-07 | 1.29E-02 | 1.03E-01 | 2.98E-01 | 2.06E-01 | 1.22E-01 | 1.21E-01 | 1.09E-01 | 1.04E-01 | 1.03E-01 | 9.84E-02 | 7.05E-02 | | |
| Testes | 0.0 | 4.37E-07 | 5.34E-04 | 1.33E-02 | 2.19E-02 | 1.95E-02 | 1.81E-02 | 1.66E-02 | 1.48E-02 | 1.37E-02 | 1.29E-02 | 1.12E-02 | | |
| Thymus | 0.0 | 7.26E-06 | 2.01E-03 | 2.60E-02 | 3.22E-02 | 2.42E-02 | 1.93E-02 | 1.76E-02 | 1.49E-02 | 1.41E-02 | 1.40E-02 | 1.50E-02 | | |
| Thyroid | 0.0 | 2.73E-08 | 1.22E-04 | 6.08E-03 | 1.41E-02 | 1.40E-02 | 1.11E-02 | 1.05E-02 | 1.01E-02 | 9.73E-03 | 8.03E-03 | | | |
| GB_Wall | 1.45E+02 | 1.12E+02 | 6.68E+01 | 2.48E+01 | 7.92E+00 | 4.38E+00 | 4.75E+00 | 5.22E+00 | 5.13E+00 | 4.70E+00 | 4.27E+00 | 3.20E+00 | | |
| Ht_Wall | 1.98E-06 | 1.11E-02 | 9.88E-02 | 2.17E-01 | 1.45E-01 | 9.00E-02 | 8.06E-02 | 8.18E-02 | 8.61E-02 | 8.13E-02 | 7.37E-02 | 4.99E-02 | | |
| Uterus | 9.73E-10 | 1.94E-03 | 3.77E-02 | 1.60E-01 | 1.78E-01 | 8.74E-02 | 7.60E-02 | 6.92E-02 | 6.83E-02 | 6.59E-02 | 4.27E-02 | | | |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 1.64E-05 | 2.49E-02 | 1.81E-01 | 3.79E-01 | 2.47E-01 | 1.31E-01 | 1.38E-01 | 1.30E-01 | 1.05E-01 | 1.00E-01 | 9.69E-02 | 8.15E-02 |
| UB_Wall1 | 0.0 | 1.23E-04 | 9.78E-03 | 4.83E-02 | 7.34E-02 | 4.73E-02 | 3.94E-02 | 4.06E-02 | 3.71E-02 | 3.22E-02 | 2.89E-02 | 2.37E-02 |
| Bone_Sur | 1.07E-07 | 2.28E-03 | 5.15E-02 | 2.44E-01 | 2.27E-01 | 7.88E-02 | 4.10E-02 | 3.31E-02 | 3.23E-02 | 2.94E-02 | 2.70E-02 | 2.31E-02 |
| Brain | 0.0 | 0.0 | 2.63E-07 | 2.47E-04 | 1.22E-03 | 1.42E-03 | 1.45E-03 | 2.12E-03 | 2.42E-03 | 2.58E-03 | 2.65E-03 | 2.48E-03 |
| Breasts | 0.0 | 7.89E-05 | 9.34E-03 | 6.39E-02 | 4.69E-02 | 3.43E-02 | 3.13E-02 | 3.41E-02 | 3.29E-02 | 3.13E-02 | 3.02E-02 | 2.47E-02 |
| St_Wall1 | 2.19E-02 | 4.68E-01 | 1.30E+00 | 1.24E+00 | 5.44E-01 | 3.08E-01 | 2.92E-01 | 2.95E-01 | 2.89E-01 | 2.77E-01 | 2.58E-01 | 1.83E-01 |
| SI_Wall1 | 9.95E-03 | 1.44E-01 | 4.86E-01 | 6.48E-01 | 3.44E-01 | 1.87E-01 | 1.82E-01 | 1.79E-01 | 1.66E-01 | 1.48E-01 | 1.34E-01 | 1.09E-01 |
| ULI_Wall1 | 1.92E-01 | 8.24E-01 | 1.34E+00 | 1.11E+00 | 5.28E-01 | 2.74E-01 | 2.67E-01 | 3.07E-01 | 2.75E-01 | 2.44E-01 | 2.21E-01 | 1.71E-01 |
| LLI_Wall1 | 3.48E-08 | 2.64E-03 | 3.34E-02 | 9.94E-02 | 1.03E-01 | 6.06E-02 | 6.21E-02 | 5.48E-02 | 4.39E-02 | 4.00E-02 | 3.77E-02 | 3.21E-02 |
| Kidneys | 1.05E-07 | 9.28E-03 | 1.09E-01 | 2.79E-01 | 1.90E-01 | 1.11E-01 | 1.16E-01 | 1.05E-01 | 1.02E-01 | 8.83E-02 | 7.80E-02 | 6.46E-02 |
| Liver | 2.14E-01 | 9.22E-01 | 1.47E-00 | 1.18E+00 | 5.23E-01 | 2.88E-01 | 2.80E-01 | 2.97E-01 | 2.77E-01 | 2.53E-01 | 2.35E-01 | 1.90E-01 |
| ET1-bas | 0.0 | 2.82E-08 | 6.10E-04 | 1.24E-04 | 6.10E-03 | 1.35E-02 | 1.13E-02 | 1.06E-02 | 1.11E-02 | 1.05E-02 | 1.01E-02 | 9.74E-03 |
| ET2-bas | 0.0 | 2.82E-08 | 1.24E-04 | 6.10E-04 | 6.10E-03 | 1.35E-02 | 1.13E-02 | 1.06E-02 | 1.11E-02 | 1.05E-02 | 1.01E-02 | 9.74E-03 |
| LN-ET | 0.0 | 2.82E-08 | 1.24E-04 | 6.10E-04 | 6.10E-03 | 1.35E-02 | 1.13E-02 | 1.06E-02 | 1.11E-02 | 1.05E-02 | 1.01E-02 | 9.74E-03 |
| BBi-bas | 4.44E-07 | 3.31E-03 | 4.55E-02 | 1.33E-01 | 8.97E-02 | 5.54E-02 | 5.09E-02 | 5.02E-02 | 5.02E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| BBi-sec | 4.44E-07 | 3.31E-03 | 4.55E-02 | 1.33E-01 | 8.97E-02 | 5.54E-02 | 5.09E-02 | 5.02E-02 | 5.02E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| bbe-sec | 4.44E-07 | 3.31E-03 | 4.55E-02 | 1.33E-01 | 8.97E-02 | 5.54E-02 | 5.09E-02 | 5.02E-02 | 5.02E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| AI | 4.44E-07 | 3.31E-03 | 4.55E-02 | 1.33E-01 | 8.97E-02 | 5.54E-02 | 5.09E-02 | 5.02E-02 | 5.02E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| LN-Th | 4.44E-07 | 3.31E-03 | 4.55E-02 | 1.33E-01 | 8.97E-02 | 5.54E-02 | 5.09E-02 | 5.02E-02 | 5.02E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| Lng_Tiss | 4.44E-07 | 3.31E-03 | 4.55E-02 | 1.33E-01 | 8.97E-02 | 5.54E-02 | 5.09E-02 | 5.02E-02 | 5.02E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| Lung_NP | 0.0 | 2.82E-08 | 1.24E-04 | 6.10E-03 | 1.35E-02 | 1.13E-02 | 1.06E-02 | 1.11E-02 | 1.05E-02 | 1.01E-02 | 9.74E-03 | 8.04E-03 |
| Lung_TB | 4.44E-07 | 3.31E-03 | 4.55E-02 | 1.33E-01 | 8.97E-02 | 5.54E-02 | 5.09E-02 | 5.02E-02 | 5.02E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| Lung_P | 4.44E-07 | 3.31E-03 | 4.55E-02 | 1.33E-01 | 8.97E-02 | 5.54E-02 | 5.09E-02 | 5.02E-02 | 5.02E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| Muscle | 1.67E-01 | 2.03E-01 | 2.08E-01 | 1.64E-01 | 8.93E-02 | 5.31E-02 | 5.25E-02 | 5.46E-02 | 5.04E-02 | 4.36E-02 | 3.87E-02 | 3.43E-02 |
| Ovaries | 6.30E-10 | 1.58E-03 | 4.60E-02 | 1.71E-01 | 1.32E-01 | 9.47E-02 | 7.14E-02 | 5.69E-02 | 5.48E-02 | 5.23E-02 | 5.06E-02 | 4.13E-02 |
| Pancreas | 3.86E+00 | 6.01E+00 | 5.89E+00 | 3.34E+00 | 1.29E+00 | 6.85E-01 | 6.89E-01 | 7.50E-01 | 6.66E-01 | 6.06E-01 | 5.72E-01 | 5.17E-01 |
| R_Marrow | 1.56E-07 | 2.97E-04 | 6.76E-03 | 3.18E-02 | 3.43E-02 | 2.45E-02 | 2.38E-02 | 2.26E-02 | 2.28E-02 | 2.08E-02 | 1.91E-02 | 1.63E-02 |
| Skin | 3.34E-08 | 9.73E-04 | 8.19E-03 | 3.16E-02 | 2.78E-02 | 1.90E-02 | 1.84E-02 | 2.15E-02 | 2.00E-02 | 1.84E-02 | 1.73E-02 | 1.49E-02 |
| Spleen | 6.45E-07 | 1.39E-02 | 9.99E-02 | 3.00E-01 | 2.03E-01 | 1.21E-01 | 1.07E-01 | 1.12E-01 | 9.66E-02 | 9.10E-02 | 8.70E-02 | 7.07E-02 |
| Testes | 0.0 | 4.38E-07 | 5.34E-04 | 1.32E-02 | 2.18E-02 | 1.61E-02 | 1.49E-02 | 1.55E-02 | 1.48E-02 | 1.41E-02 | 1.36E-02 | 1.12E-02 |
| Thymus | 0.0 | 7.54E-06 | 2.03E-03 | 3.03E-02 | 3.06E-02 | 2.45E-02 | 2.04E-02 | 1.77E-02 | 1.54E-02 | 1.47E-02 | 1.45E-02 | 1.50E-02 |
| Thyroid | 0.0 | 2.82E-08 | 1.24E-04 | 6.10E-03 | 1.35E-02 | 1.13E-02 | 1.06E-02 | 1.11E-02 | 1.05E-02 | 1.01E-02 | 9.74E-03 | 8.04E-03 |
| GB_Wall1 | 6.36E+02 | 2.61E+02 | 1.24E+02 | 4.07E+01 | 1.31E+01 | 7.38E+00 | 8.00E+00 | 9.04E+00 | 8.53E+00 | 7.97E+00 | 7.50E+00 | 6.23E+00 |
| Ht_Wall1 | 2.51E-06 | 9.02E-03 | 8.10E-02 | 2.12E-01 | 1.43E-01 | 8.68E-02 | 7.97E-02 | 8.14E-02 | 8.53E-02 | 7.63E-02 | 6.75E-02 | 4.99E-02 |
| Uterus | 1.23E-09 | 1.99E-03 | 3.13E-02 | 1.69E-01 | 1.53E-01 | 7.30E-02 | 7.77E-02 | 7.30E-02 | 6.59E-02 | 7.31E-02 | 7.38E-02 | 4.26E-02 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 |
| Adrenals | 1.28E-07 | 8.16E-03 | 7.19E-02 | 1.94E-01 | 1.41E-01 | 7.75E-02 | 8.10E-02 | 7.02E-02 | 6.68E-02 | 6.28E-02 | 4.36E-02 |
| UB_Wall1 | 0.0 | 7.83E-09 | 5.62E-05 | 3.40E-03 | 7.37E-03 | 7.64E-03 | 7.75E-03 | 7.63E-03 | 8.23E-03 | 8.58E-03 | 8.45E-03 |
| Bone_Sur | 5.57E-04 | 2.64E-02 | 1.55E-01 | 3.70E-01 | 2.62E-01 | 8.45E-02 | 4.49E-02 | 3.81E-02 | 3.62E-02 | 3.33E-02 | 3.09E-02 |
| Brain | 0.0 | 6.26E-09 | 3.24E-05 | 1.84E-03 | 4.47E-03 | 4.75E-03 | 4.93E-03 | 6.86E-03 | 6.77E-03 | 6.69E-03 | 6.60E-03 |
| Breasts | 1.71E-04 | 5.85E-02 | 2.67E-01 | 4.24E-01 | 2.19E-01 | 1.26E-01 | 1.37E-01 | 1.57E-01 | 1.38E-01 | 1.24E-01 | 1.14E-01 |
| St_Wall1 | 4.55E-05 | 1.99E-02 | 9.39E-02 | 2.12E-01 | 1.43E-01 | 7.80E-02 | 7.58E-02 | 7.76E-02 | 7.27E-02 | 6.83E-02 | 6.37E-02 |
| SI_Wall1 | 0.0 | 6.20E-06 | 1.96E-03 | 2.05E-02 | 3.20E-02 | 2.21E-02 | 2.00E-02 | 2.13E-02 | 2.04E-02 | 1.90E-02 | 1.46E-02 |
| ULI_Wall1 | 0.0 | 1.65E-05 | 4.15E-03 | 2.58E-02 | 3.85E-02 | 2.61E-02 | 2.27E-02 | 2.40E-02 | 2.36E-02 | 2.41E-02 | 2.37E-02 |
| LLI_Wall1 | 0.0 | 6.57E-07 | 3.40E-04 | 7.43E-03 | 1.18E-02 | 1.12E-02 | 1.01E-02 | 1.16E-02 | 1.12E-02 | 1.04E-02 | 9.93E-03 |
| Kidneys | 0.0 | 1.09E-04 | 9.33E-03 | 4.93E-02 | 5.49E-02 | 3.70E-02 | 3.46E-02 | 3.81E-02 | 3.27E-02 | 3.26E-02 | 3.22E-02 |
| Liver | 7.29E-04 | 3.99E-02 | 1.74E-01 | 2.63E-01 | 1.58E-01 | 8.81E-02 | 8.71E-02 | 9.04E-02 | 8.04E-02 | 7.65E-02 | 7.26E-02 |
| ET1-bas | 3.75E-10 | 7.44E-04 | 2.27E-02 | 1.03E-01 | 1.02E-01 | 5.63E-02 | 5.53E-02 | 5.35E-02 | 5.04E-02 | 4.52E-02 | 4.15E-02 |
| ET2-bas | 3.75E-10 | 7.44E-04 | 2.27E-02 | 1.03E-01 | 1.02E-01 | 5.63E-02 | 5.53E-02 | 5.35E-02 | 5.04E-02 | 4.52E-02 | 4.15E-02 |
| LN-ET | 3.75E-10 | 7.44E-04 | 2.27E-02 | 1.03E-01 | 1.02E-01 | 5.63E-02 | 5.53E-02 | 5.35E-02 | 5.04E-02 | 4.52E-02 | 4.15E-02 |
| BBi-bas | 3.07E-02 | 3.32E-01 | 7.21E-01 | 6.59E-01 | 2.93E-01 | 1.57E-01 | 1.56E-01 | 1.61E-01 | 1.54E-01 | 1.43E-01 | 1.33E-01 |
| BBi-sec | 3.07E-02 | 3.32E-01 | 7.21E-01 | 6.59E-01 | 2.93E-01 | 1.57E-01 | 1.56E-01 | 1.61E-01 | 1.54E-01 | 1.43E-01 | 1.33E-01 |
| bbe-sec | 3.07E-02 | 3.32E-01 | 7.21E-01 | 6.59E-01 | 2.93E-01 | 1.57E-01 | 1.56E-01 | 1.61E-01 | 1.54E-01 | 1.43E-01 | 1.33E-01 |
| AI | 3.07E-02 | 3.32E-01 | 7.21E-01 | 6.59E-01 | 2.93E-01 | 1.57E-01 | 1.56E-01 | 1.61E-01 | 1.54E-01 | 1.43E-01 | 1.33E-01 |
| LN-Th | 3.07E-02 | 3.32E-01 | 7.21E-01 | 6.59E-01 | 2.93E-01 | 1.57E-01 | 1.56E-01 | 1.61E-01 | 1.54E-01 | 1.43E-01 | 1.33E-01 |
| Lng_Tiss | 3.07E-02 | 3.32E-01 | 7.21E-01 | 6.59E-01 | 2.93E-01 | 1.57E-01 | 1.56E-01 | 1.61E-01 | 1.54E-01 | 1.43E-01 | 1.33E-01 |
| Lung_NP | 3.75E-10 | 7.44E-04 | 2.27E-02 | 1.03E-01 | 1.02E-01 | 5.63E-02 | 5.53E-02 | 5.35E-02 | 5.04E-02 | 4.52E-02 | 4.15E-02 |
| Lung_TB | 3.07E-02 | 3.32E-01 | 7.21E-01 | 6.59E-01 | 2.93E-01 | 1.57E-01 | 1.56E-01 | 1.61E-01 | 1.54E-01 | 1.43E-01 | 1.33E-01 |
| Lung_P | 3.07E-02 | 3.32E-01 | 7.21E-01 | 6.59E-01 | 2.93E-01 | 1.57E-01 | 1.56E-01 | 1.61E-01 | 1.54E-01 | 1.43E-01 | 1.33E-01 |
| Muscle | 7.69E-03 | 5.00E-02 | 9.99E-02 | 1.72E-01 | 6.59E-01 | 2.93E-01 | 1.57E-01 | 1.56E-01 | 1.61E-01 | 1.54E-01 | 1.43E-01 |
| Ovaries | 0.0 | 1.05E-07 | 2.45E-04 | 1.19E-02 | 1.32E-02 | 1.33E-02 | 1.33E-02 | 1.14E-02 | 1.09E-02 | 1.06E-02 | 1.03E-02 |
| Pancreas | 6.59E-07 | 7.38E-03 | 1.06E-01 | 2.73E-01 | 1.81E-01 | 1.08E-01 | 1.02E-01 | 9.49E-02 | 9.75E-02 | 8.06E-02 | 6.97E-02 |
| R_Marrow | 8.35E-05 | 3.68E-03 | 2.05E-02 | 4.67E-02 | 3.91E-02 | 2.70E-02 | 2.59E-02 | 2.63E-02 | 2.53E-02 | 2.33E-02 | 2.16E-02 |
| Skin | 4.05E-04 | 3.68E-03 | 1.76E-02 | 4.05E-02 | 3.08E-02 | 2.08E-02 | 2.19E-02 | 2.38E-02 | 2.03E-02 | 1.85E-02 | 1.63E-02 |
| Spleen | 1.15E-09 | 9.37E-04 | 2.98E-02 | 1.15E-01 | 9.24E-02 | 5.56E-02 | 5.36E-02 | 5.43E-02 | 4.96E-02 | 4.46E-02 | 3.78E-02 |
| Testes | 0.0 | 0.0 | 3.92E-06 | 1.02E-03 | 2.07E-03 | 3.51E-03 | 4.50E-03 | 5.17E-03 | 5.18E-03 | 4.97E-03 | 4.76E-03 |
| Thymus | 7.27E-03 | 1.94E-01 | 5.40E-01 | 6.25E-01 | 3.27E-01 | 1.73E-01 | 1.75E-01 | 1.92E-01 | 1.68E-01 | 1.53E-01 | 1.43E-01 |
| Thyroid | 3.75E-10 | 7.44E-04 | 2.27E-02 | 1.03E-01 | 1.02E-01 | 5.63E-02 | 5.53E-02 | 5.35E-02 | 5.04E-02 | 4.52E-02 | 4.15E-02 |
| GB_Wall1 | 1.10E-07 | 4.31E-03 | 5.34E-02 | 1.78E-01 | 1.27E-01 | 7.26E-02 | 7.21E-02 | 6.94E-02 | 5.93E-02 | 5.54E-02 | 4.70E-02 |
| Ht_Wall1 | 3.89E+00 | 6.26E+00 | 5.88E+00 | 3.17E+00 | 1.19E+00 | 6.56E-01 | 6.88E-01 | 7.19E-01 | 6.73E-01 | 6.13E-01 | 5.65E-01 |
| Uterus | 0.0 | 9.02E-08 | 2.25E-04 | 1.10E-02 | 1.31E-02 | 1.21E-02 | 1.23E-02 | 1.26E-02 | 1.16E-02 | 1.11E-02 | 1.01E-02 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 6.41E-07 | 8.96E-03 | 7.17E-02 | 1.89E-01 | 1.36E-01 | 7.63E-02 | 7.67E-02 | 7.89E-02 | 7.51E-02 | 6.45E-02 | 5.76E-02 | 5.13E-02 |
| UB_Wall | 0.0 | 2.01E-08 | 8.75E-05 | 5.88E-03 | 6.64E-03 | 7.59E-03 | 8.32E-03 | 8.73E-03 | 8.64E-03 | 8.47E-03 | 8.31E-03 | 7.89E-03 |
| Bone_Sur | 5.57E-04 | 2.64E-02 | 1.55E-01 | 3.70E-01 | 2.62E-01 | 8.45E-02 | 4.49E-02 | 3.81E-02 | 3.62E-02 | 3.33E-02 | 3.09E-02 | 2.55E-02 |
| Brain | 0.0 | 6.16E-09 | 2.69E-05 | 1.65E-03 | 3.85E-03 | 4.54E-03 | 4.92E-03 | 5.90E-03 | 6.16E-03 | 5.82E-03 | 5.45E-03 | 4.48E-03 |
| Breasts | 5.23E-03 | 1.99E-01 | 5.62E-01 | 5.75E-01 | 2.73E-01 | 1.66E-01 | 1.71E-01 | 1.89E-01 | 1.73E-01 | 1.67E-01 | 1.60E-01 | 1.28E-01 |
| St_Wall | 2.37E-03 | 9.18E-02 | 2.71E-01 | 3.54E-01 | 2.06E-01 | 1.09E-01 | 1.16E-01 | 1.20E-01 | 1.13E-01 | 9.71E-02 | 8.70E-02 | 7.72E-02 |
| SI_Wall | 0.0 | 1.75E-05 | 2.64E-03 | 2.58E-02 | 3.60E-02 | 2.51E-02 | 2.26E-02 | 2.47E-02 | 2.28E-02 | 2.14E-02 | 2.02E-02 | 1.63E-02 |
| ULI_Wall | 0.0 | 4.61E-05 | 5.28E-03 | 3.14E-02 | 4.17E-02 | 2.57E-02 | 2.51E-02 | 2.77E-02 | 2.77E-02 | 2.58E-02 | 2.39E-02 | 1.94E-02 |
| LLI_Wall | 0.0 | 2.14E-06 | 6.23E-04 | 1.11E-02 | 1.27E-02 | 1.26E-02 | 1.26E-02 | 1.34E-02 | 1.31E-02 | 1.23E-02 | 1.14E-02 | 9.06E-03 |
| Kidneys | 0.0 | 1.84E-04 | 1.22E-02 | 5.22E-02 | 5.56E-02 | 5.69E-02 | 3.33E-02 | 3.59E-02 | 3.89E-02 | 3.45E-02 | 3.11E-02 | 2.84E-02 |
| Liver | 8.28E-03 | 1.07E-01 | 2.55E-01 | 2.94E-01 | 1.68E-01 | 9.72E-02 | 9.95E-02 | 9.98E-02 | 9.31E-02 | 8.57E-02 | 7.91E-02 | 6.20E-02 |
| ET1-bas | 8.02E-10 | 7.46E-04 | 1.66E-02 | 8.60E-02 | 8.00E-02 | 5.01E-02 | 4.52E-02 | 4.56E-02 | 4.90E-02 | 4.36E-02 | 3.89E-02 | 3.22E-02 |
| ET2-bas | 8.02E-10 | 7.46E-04 | 1.66E-02 | 8.60E-02 | 8.00E-02 | 5.01E-02 | 4.52E-02 | 4.56E-02 | 4.90E-02 | 4.36E-02 | 3.89E-02 | 3.22E-02 |
| LN-ET | 8.02E-10 | 7.46E-04 | 1.66E-02 | 8.60E-02 | 8.00E-02 | 5.01E-02 | 4.52E-02 | 4.56E-02 | 4.90E-02 | 4.36E-02 | 3.89E-02 | 3.22E-02 |
| BBi-bas | 8.93E-02 | 4.34E-01 | 7.10E-01 | 5.92E-01 | 2.71E-01 | 1.48E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 |
| BBi-sec | 8.93E-02 | 4.34E-01 | 7.10E-01 | 5.92E-01 | 2.71E-01 | 1.48E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 |
| bbe-sec | 8.93E-02 | 4.34E-01 | 7.10E-01 | 5.92E-01 | 2.71E-01 | 1.48E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 |
| AI | 8.93E-02 | 4.34E-01 | 7.10E-01 | 5.92E-01 | 2.71E-01 | 1.48E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 |
| LN-Th | 8.93E-02 | 4.34E-01 | 7.10E-01 | 5.92E-01 | 2.71E-01 | 1.48E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 |
| Lng_Tiss | 8.93E-02 | 4.34E-01 | 7.10E-01 | 5.92E-01 | 2.71E-01 | 1.48E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 |
| Lung_NP | 8.02E-10 | 7.46E-04 | 1.66E-02 | 8.60E-02 | 8.00E-02 | 5.01E-02 | 4.52E-02 | 4.56E-02 | 4.90E-02 | 4.36E-02 | 3.89E-02 | 3.22E-02 |
| Lung_TB | 8.93E-02 | 4.34E-01 | 7.10E-01 | 5.92E-01 | 2.71E-01 | 1.48E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 |
| Lung_P | 8.93E-02 | 4.34E-01 | 7.10E-01 | 5.92E-01 | 2.71E-01 | 1.48E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 |
| Muscle | 5.36E-02 | 1.02E-01 | 7.10E-01 | 5.92E-01 | 2.71E-01 | 1.48E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 1.45E-01 | 1.35E-01 | 1.23E-01 |
| Ovaries | 0.0 | 2.76E-07 | 3.78E-04 | 1.19E-02 | 1.51E-02 | 1.42E-02 | 1.29E-02 | 1.23E-02 | 1.18E-02 | 1.14E-02 | 1.10E-02 | 1.00E-02 |
| Pancreas | 1.89E-05 | 3.24E-02 | 2.01E-01 | 3.90E-01 | 2.07E-01 | 1.16E-01 | 1.18E-01 | 1.28E-01 | 1.13E-01 | 1.03E-01 | 9.55E-02 | 7.48E-02 |
| R_Marrow | 8.35E-05 | 3.68E-03 | 2.05E-02 | 4.67E-02 | 3.91E-02 | 2.70E-02 | 2.59E-02 | 2.63E-02 | 2.53E-02 | 2.33E-02 | 2.16E-02 | 1.82E-02 |
| Skin | 1.15E-03 | 9.77E-03 | 2.51E-02 | 4.45E-02 | 3.18E-02 | 2.04E-02 | 2.30E-02 | 2.47E-02 | 2.32E-02 | 2.27E-02 | 2.17E-02 | 1.66E-02 |
| Spleen | 2.76E-08 | 2.77E-03 | 4.26E-02 | 1.50E-01 | 1.15E-01 | 6.22E-02 | 6.14E-02 | 6.23E-02 | 5.13E-02 | 4.96E-02 | 4.91E-02 | 4.35E-02 |
| Testes | 0.0 | 0.0 | 6.23E-06 | 1.26E-03 | 1.94E-03 | 2.42E-03 | 2.96E-03 | 4.62E-03 | 5.46E-03 | 5.49E-03 | 5.31E-03 | 4.43E-03 |
| Thymus | 3.54E-02 | 2.96E-01 | 5.94E-01 | 5.92E-01 | 2.96E-01 | 1.68E-01 | 1.64E-01 | 1.74E-01 | 1.69E-01 | 1.49E-01 | 1.33E-01 | 1.03E-01 |
| Thyroid | 8.02E-10 | 7.46E-04 | 1.66E-02 | 8.60E-02 | 8.00E-02 | 5.01E-02 | 4.52E-02 | 4.56E-02 | 4.90E-02 | 4.36E-02 | 3.89E-02 | 3.22E-02 |
| GB_Wall | 2.51E-06 | 9.02E-03 | 8.10E-02 | 2.12E-01 | 1.43E-01 | 8.68E-02 | 7.97E-02 | 8.14E-02 | 8.53E-02 | 7.63E-02 | 6.75E-02 | 4.99E-02 |
| Ht_Wall | 2.86E+01 | 1.80E+01 | 1.13E+01 | 4.85E+00 | 1.72E+00 | 9.62E-01 | 1.02E+00 | 1.10E+00 | 9.56E+00 | 8.78E-01 | 6.91E-01 | |
| Uterus | 0.0 | 2.40E-07 | 3.54E-04 | 8.93E-03 | 1.42E-02 | 1.38E-02 | 1.42E-02 | 1.32E-02 | 1.37E-02 | 1.44E-02 | 1.30E-02 | 1.09E-02 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 8.18E-06 | 2.79E-03 | 3.18E-02 | 3.08E-02 | 2.92E-02 | 2.73E-02 | 2.44E-02 | 2.21E-02 | 1.98E-02 | 1.75E-02 | 2.07E-02 | 1.75E-02 |
| UB_Wall1 | 2.69E-01 | 2.00E+00 | 2.91E+00 | 2.00E+00 | 8.46E-01 | 4.59E-01 | 4.90E-01 | 4.48E-01 | 4.95E-01 | 4.14E-01 | 3.55E-01 | 3.20E-01 | 3.20E-01 |
| Bone_Sur | 1.88E-07 | 7.16E-03 | 9.17E-02 | 2.87E-01 | 2.39E-01 | 8.00E-02 | 4.12E-02 | 3.42E-02 | 3.32E-02 | 2.94E-02 | 2.66E-02 | 2.28E-02 | 2.28E-02 |
| Brain | 0.0 | 0.0 | 2.51E-09 | 2.28E-05 | 2.28E-04 | 3.10E-04 | 4.64E-04 | 7.99E-04 | 1.08E-03 | 1.20E-03 | 1.25E-03 | 1.36E-03 | 1.36E-03 |
| Breasts | 0.0 | 8.58E-09 | 8.00E-05 | 5.14E-03 | 1.25E-02 | 1.19E-02 | 1.12E-02 | 1.05E-02 | 9.87E-03 | 9.52E-03 | 9.28E-03 | 7.61E-03 | 7.61E-03 |
| St_Wall1 | 0.0 | 4.10E-04 | 1.50E-02 | 6.84E-02 | 8.93E-02 | 5.37E-02 | 4.52E-02 | 4.30E-02 | 4.80E-02 | 4.57E-02 | 4.19E-02 | 3.14E-02 | 3.14E-02 |
| SI_Wall1 | 2.77E-02 | 7.36E-01 | 1.60E+00 | 1.35E+00 | 6.22E-01 | 3.41E-01 | 3.32E-01 | 3.41E-01 | 3.22E-01 | 2.88E-01 | 2.62E-01 | 2.23E-01 | 2.23E-01 |
| ULI_Wall1 | 4.61E-04 | 9.32E-02 | 4.29E-01 | 6.98E-01 | 3.65E-01 | 1.98E-01 | 1.86E-01 | 1.81E-01 | 1.76E-01 | 1.61E-01 | 1.47E-01 | 1.09E-01 | 1.09E-01 |
| LLI_Wall1 | 2.82E-04 | 1.08E-01 | 5.36E-01 | 8.00E-01 | 4.28E-01 | 2.25E-01 | 2.13E-01 | 2.38E-01 | 2.17E-01 | 1.94E-01 | 1.78E-01 | 1.43E-01 | 1.43E-01 |
| Kidneys | 0.0 | 2.54E-04 | 9.50E-03 | 6.53E-02 | 7.31E-02 | 4.67E-02 | 4.72E-02 | 4.36E-02 | 3.96E-02 | 3.67E-02 | 3.47E-02 | 3.08E-02 | 3.08E-02 |
| Liver | 0.0 | 2.80E-04 | 8.88E-03 | 6.41E-02 | 6.37E-02 | 4.03E-02 | 3.78E-02 | 3.99E-02 | 3.54E-02 | 3.46E-02 | 3.46E-02 | 2.57E-02 | 2.57E-02 |
| ET1-bas | 0.0 | 8.68E-07 | 4.98E-04 | 3.01E-03 | 3.78E-03 | 4.01E-03 | 4.18E-03 | 4.18E-03 | 4.18E-03 | 4.04E-03 | 3.95E-03 | 3.32E-03 | 3.32E-03 |
| ET2-bas | 0.0 | 8.68E-07 | 4.98E-04 | 3.01E-03 | 3.78E-03 | 4.01E-03 | 4.18E-03 | 4.18E-03 | 4.18E-03 | 4.04E-03 | 3.95E-03 | 3.32E-03 | 3.32E-03 |
| LN-ET | 0.0 | 0.0 | 8.68E-07 | 4.98E-04 | 3.01E-03 | 3.78E-03 | 4.01E-03 | 4.18E-03 | 4.18E-03 | 4.04E-03 | 3.95E-03 | 3.32E-03 | 3.32E-03 |
| BBi-bas | 0.0 | 2.69E-07 | 3.39E-04 | 6.89E-03 | 1.60E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 | 9.20E-03 |
| BBi-sec | 0.0 | 2.69E-07 | 3.39E-04 | 6.89E-03 | 1.60E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 | 9.20E-03 |
| bbe-sec | 0.0 | 2.69E-07 | 3.39E-04 | 6.89E-03 | 1.60E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 | 9.20E-03 |
| AI | 0.0 | 2.69E-07 | 3.39E-04 | 6.89E-03 | 1.60E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 | 9.20E-03 |
| LN-Th | 0.0 | 2.69E-07 | 3.39E-04 | 6.89E-03 | 1.60E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 | 9.20E-03 |
| Lng_Tiss | 0.0 | 2.69E-07 | 3.39E-04 | 6.89E-03 | 1.60E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 | 9.20E-03 |
| Lung_NP | 0.0 | 0.0 | 8.68E-07 | 4.98E-04 | 3.01E-03 | 3.78E-03 | 4.01E-03 | 4.18E-03 | 4.18E-03 | 4.04E-03 | 3.95E-03 | 3.32E-03 | 3.32E-03 |
| Lung_TB | 0.0 | 2.69E-07 | 3.39E-04 | 6.89E-03 | 1.60E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 | 9.20E-03 |
| Lung_P | 0.0 | 2.69E-07 | 3.39E-04 | 6.89E-03 | 1.60E-02 | 1.00E-02 | 1.10E-02 | 1.30E-02 | 1.21E-02 | 1.08E-02 | 1.01E-02 | 9.20E-03 | 9.20E-03 |
| Muscle | 8.26E-02 | 1.80E-01 | 2.29E-01 | 2.01E-01 | 1.06E-01 | 6.24E-02 | 6.19E-02 | 6.38E-02 | 5.97E-02 | 5.52E-02 | 5.12E-02 | 4.04E-02 | 4.04E-02 |
| Ovaries | 3.70E-02 | 1.55E+00 | 3.45E+00 | 2.53E+00 | 1.05E+00 | 5.63E-01 | 5.61E-01 | 5.98E-01 | 5.67E-01 | 5.14E-01 | 4.63E-01 | 3.28E-01 | 3.28E-01 |
| Pancreas | 0.0 | 6.87E-05 | 8.79E-03 | 4.98E-02 | 7.38E-02 | 4.39E-02 | 3.51E-02 | 3.26E-02 | 3.09E-02 | 3.08E-02 | 3.01E-02 | 2.44E-02 | 2.44E-02 |
| R_Marrow | 2.21E-07 | 1.44E-03 | 1.66E-02 | 4.54E-02 | 4.03E-02 | 2.80E-02 | 2.60E-02 | 2.59E-02 | 2.53E-02 | 2.24E-02 | 2.04E-02 | 1.82E-02 | 1.82E-02 |
| Skin | 4.54E-08 | 8.19E-04 | 9.56E-03 | 3.46E-02 | 3.00E-02 | 1.93E-02 | 1.98E-02 | 2.34E-02 | 2.33E-02 | 2.21E-02 | 2.06E-02 | 1.57E-02 | 1.57E-02 |
| Spleen | 0.0 | 2.94E-05 | 4.99E-03 | 4.76E-02 | 4.45E-02 | 4.05E-02 | 3.67E-02 | 3.20E-02 | 2.85E-02 | 2.65E-02 | 2.52E-02 | 2.21E-02 | 2.21E-02 |
| 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 | 0.0 |
| Thymus | 0.0 | 3.37E-10 | 1.23E-05 | 1.85E-03 | 2.85E-03 | 4.44E-03 | 5.90E-03 | 6.82E-03 | 6.60E-03 | 6.34E-03 | 6.07E-03 | 5.10E-03 | 5.10E-03 |
| Thyroid | 0.0 | 0.0 | 8.68E-07 | 4.98E-04 | 3.01E-03 | 3.78E-03 | 4.01E-03 | 4.29E-03 | 4.18E-03 | 4.04E-03 | 3.95E-03 | 3.32E-03 | 3.32E-03 |
| GB_Wall1 | 1.23E-09 | 1.99E-03 | 3.13E-02 | 1.69E-01 | 1.53E-01 | 7.30E-02 | 7.77E-02 | 7.30E-02 | 6.59E-02 | 7.31E-02 | 7.38E-02 | 4.26E-02 | 4.26E-02 |
| Ht_Wall1 | 0.0 | 2.40E-07 | 3.54E-04 | 8.93E-03 | 1.42E-02 | 1.38E-02 | 1.32E-02 | 1.46E-02 | 1.37E-02 | 1.30E-02 | 1.09E-02 | 1.09E-02 | 1.09E-02 |
| Uterus | 2.09E+02 | 1.30E+02 | 7.16E+01 | 2.59E+01 | 8.08E+00 | 4.55E+00 | 4.96E+00 | 5.44E+00 | 4.82E+00 | 4.23E+00 | 3.41E+00 | 3.41E+00 | 3.41E+00 |

Specific Absorbed Fraction of Photon Energy in kg-1: Recommended Values for the Newborn

| 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 | 2.83E-01 | 2.81E-01 | 2.56E-01 | 1.81E-01 | 9.34E-02 | 5.41E-02 | 5.53E-02 | 5.68E-02 | 4.97E-02 | 4.63E-02 | 3.71E-02 | |
| UB_Wall1 | 2.13E-01 | 2.00E-01 | 1.91E-01 | 1.42E-01 | 7.56E-02 | 4.58E-02 | 4.76E-02 | 4.99E-02 | 4.69E-02 | 4.04E-02 | 3.24E-02 | |
| Bone_Sur | 4.87E-01 | 6.12E-01 | 6.87E-01 | 6.26E-01 | 3.27E-01 | 1.00E-01 | 5.68E-02 | 5.34E-02 | 5.10E-02 | 4.65E-02 | 4.29E-02 | 3.64E-02 |
| Brain | 2.83E-01 | 2.79E-01 | 2.46E-01 | 1.57E-01 | 7.16E-02 | 4.15E-02 | 4.34E-02 | 4.62E-02 | 4.38E-02 | 4.06E-02 | 3.77E-02 | 3.02E-02 |
| Breasts | 2.30E-01 | 1.70E-01 | 1.32E-01 | 8.62E-02 | 4.46E-02 | 2.80E-02 | 3.07E-02 | 3.44E-02 | 3.34E-02 | 3.11E-02 | 2.91E-02 | 2.40E-02 |
| St_Wall1 | 2.39E-01 | 2.20E-01 | 2.03E-01 | 1.48E-01 | 7.96E-02 | 4.81E-02 | 5.00E-02 | 5.20E-02 | 4.85E-02 | 4.50E-02 | 4.20E-02 | 3.35E-02 |
| SI_Wall1 | 2.62E-01 | 2.45E-01 | 2.27E-01 | 1.70E-01 | 9.30E-02 | 5.50E-02 | 5.64E-02 | 5.77E-02 | 5.38E-02 | 4.96E-02 | 4.62E-02 | 3.78E-02 |
| ULI_Wall1 | 2.21E-01 | 2.05E-01 | 1.97E-01 | 1.53E-01 | 8.42E-02 | 5.11E-02 | 5.23E-02 | 5.41E-02 | 5.07E-02 | 4.68E-02 | 4.35E-02 | 3.51E-02 |
| LLI_Wall1 | 2.38E-01 | 2.27E-01 | 2.19E-01 | 1.64E-01 | 8.61E-02 | 5.07E-02 | 5.17E-02 | 5.42E-02 | 5.09E-02 | 4.68E-02 | 4.34E-02 | 3.55E-02 |
| Kidneys | 2.83E-01 | 2.77E-01 | 2.43E-01 | 1.65E-01 | 8.55E-02 | 5.05E-02 | 5.17E-02 | 5.44E-02 | 5.12E-02 | 4.76E-02 | 4.46E-02 | 3.62E-02 |
| Liver | 2.83E-01 | 2.78E-01 | 2.48E-01 | 1.67E-01 | 8.45E-02 | 5.07E-02 | 5.27E-02 | 5.56E-02 | 5.21E-02 | 4.82E-02 | 4.48E-02 | 3.64E-02 |
| ET1-bas | 2.83E-01 | 2.82E-01 | 2.60E-01 | 1.80E-01 | 9.13E-02 | 5.42E-02 | 5.59E-02 | 5.81E-02 | 5.49E-02 | 5.09E-02 | 4.74E-02 | 3.88E-02 |
| ET2-bas | 2.83E-01 | 2.82E-01 | 2.60E-01 | 1.80E-01 | 9.13E-02 | 5.42E-02 | 5.59E-02 | 5.81E-02 | 5.49E-02 | 5.09E-02 | 4.74E-02 | 3.88E-02 |
| LN-ET | 2.83E-01 | 2.82E-01 | 2.60E-01 | 1.80E-01 | 9.13E-02 | 5.42E-02 | 5.59E-02 | 5.81E-02 | 5.49E-02 | 5.09E-02 | 4.74E-02 | 3.88E-02 |
| BBi-bas | 2.83E-01 | 2.79E-01 | 2.58E-01 | 1.70E-01 | 8.20E-02 | 4.44E-02 | 4.63E-02 | 4.84E-02 | 4.56E-02 | 4.23E-02 | 3.93E-02 | 3.17E-02 |
| BBi-sec | 2.83E-01 | 2.79E-01 | 2.58E-01 | 1.70E-01 | 8.20E-02 | 4.44E-02 | 4.63E-02 | 4.84E-02 | 4.56E-02 | 4.23E-02 | 3.93E-02 | 3.17E-02 |
| bbe-sec | 2.83E-01 | 2.79E-01 | 2.58E-01 | 1.70E-01 | 8.20E-02 | 4.44E-02 | 4.63E-02 | 4.84E-02 | 4.56E-02 | 4.23E-02 | 3.93E-02 | 3.17E-02 |
| AI | 2.83E-01 | 2.79E-01 | 2.58E-01 | 1.70E-01 | 8.20E-02 | 4.44E-02 | 4.63E-02 | 4.84E-02 | 4.56E-02 | 4.23E-02 | 3.93E-02 | 3.17E-02 |
| LN-Th | 2.83E-01 | 2.79E-01 | 2.58E-01 | 1.70E-01 | 8.20E-02 | 4.44E-02 | 4.63E-02 | 4.84E-02 | 4.56E-02 | 4.23E-02 | 3.93E-02 | 3.17E-02 |
| Lng_Tiss | 2.83E-01 | 2.79E-01 | 2.58E-01 | 1.70E-01 | 8.20E-02 | 4.44E-02 | 4.63E-02 | 4.84E-02 | 4.56E-02 | 4.23E-02 | 3.93E-02 | 3.17E-02 |
| Lung_NP | 2.83E-01 | 2.82E-01 | 2.60E-01 | 1.80E-01 | 9.13E-02 | 5.42E-02 | 5.59E-02 | 5.81E-02 | 5.49E-02 | 5.09E-02 | 4.74E-02 | 3.88E-02 |
| Lung_TB | 2.83E-01 | 2.79E-01 | 2.58E-01 | 1.70E-01 | 8.20E-02 | 4.44E-02 | 4.63E-02 | 4.84E-02 | 4.56E-02 | 4.23E-02 | 3.93E-02 | 3.17E-02 |
| Lung_P | 2.83E-01 | 2.79E-01 | 2.58E-01 | 1.70E-01 | 8.20E-02 | 4.44E-02 | 4.63E-02 | 4.84E-02 | 4.56E-02 | 4.23E-02 | 3.93E-02 | 3.17E-02 |
| Muscle | 2.70E-01 | 2.45E-01 | 2.11E-01 | 1.42E-01 | 7.01E-02 | 4.28E-02 | 4.44E-02 | 4.63E-02 | 4.84E-02 | 4.56E-02 | 4.23E-02 | 3.93E-02 |
| Ovaries | 2.80E-01 | 2.64E-01 | 2.41E-01 | 1.78E-01 | 9.39E-02 | 5.57E-02 | 5.63E-02 | 5.84E-02 | 5.48E-02 | 5.07E-02 | 4.71E-02 | 3.79E-02 |
| Pancreas | 2.82E-01 | 2.78E-01 | 2.57E-01 | 1.89E-01 | 9.93E-02 | 5.86E-02 | 5.98E-02 | 6.21E-02 | 5.79E-02 | 5.32E-02 | 4.93E-02 | 4.00E-02 |
| R_Marrow | 9.84E-02 | 1.13E-01 | 1.17E-01 | 1.01E-01 | 6.45E-02 | 4.26E-02 | 4.11E-02 | 4.29E-02 | 4.04E-02 | 3.68E-02 | 3.40E-02 | 2.85E-02 |
| Skin | 1.94E-01 | 1.61E-01 | 1.32E-01 | 8.50E-02 | 4.28E-02 | 2.65E-02 | 2.65E-02 | 2.91E-02 | 3.20E-02 | 3.15E-02 | 3.83E-02 | 3.13E-02 |
| Spleen | 2.83E-01 | 2.81E-01 | 2.53E-01 | 1.69E-01 | 8.58E-02 | 5.07E-02 | 5.26E-02 | 5.47E-02 | 5.16E-02 | 4.80E-02 | 4.47E-02 | 3.63E-02 |
| Testes | 2.77E-01 | 2.46E-01 | 2.02E-01 | 1.28E-01 | 6.31E-02 | 3.81E-02 | 4.09E-02 | 4.43E-02 | 4.24E-02 | 3.90E-02 | 3.61E-02 | 2.95E-02 |
| Thymus | 2.83E-01 | 2.77E-01 | 2.42E-01 | 1.59E-01 | 7.80E-02 | 4.62E-02 | 4.89E-02 | 5.20E-02 | 4.92E-02 | 4.55E-02 | 4.23E-02 | 3.40E-02 |
| Thyroid | 2.83E-01 | 2.82E-01 | 2.60E-01 | 1.80E-01 | 9.13E-02 | 5.42E-02 | 5.59E-02 | 5.81E-02 | 5.49E-02 | 5.09E-02 | 4.74E-02 | 3.88E-02 |
| GB_Wall1 | 1.96E-01 | 2.11E-01 | 2.15E-01 | 1.69E-01 | 9.23E-02 | 5.56E-02 | 5.64E-02 | 5.86E-02 | 5.52E-02 | 5.11E-02 | 4.76E-02 | 3.86E-02 |
| Ht_Wall1 | 2.83E-01 | 2.80E-01 | 2.54E-01 | 1.73E-01 | 8.73E-02 | 5.17E-02 | 5.37E-02 | 5.61E-02 | 5.31E-02 | 4.91E-02 | 4.57E-02 | 3.70E-02 |
| Uterus | 2.83E-01 | 2.74E-01 | 2.45E-01 | 1.77E-01 | 9.29E-02 | 5.57E-02 | 5.69E-02 | 5.93E-02 | 5.58E-02 | 5.14E-02 | 4.76E-02 | 3.80E-02 |

APPENDIX B

TABLES OF SPECIFIC ABSORBED FRACTIONS-
RAW DATA AND RECOMMENDED VALUES

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51. B. B. Boecker, Inhalation Toxicology Research Inst., Lovelace Biomedical and Environmental Research Institute, P. O. Box 5890, Albuquerque, NM 87185
52. V. P. Bond, Assoc. Director for Life Sciences and Safety, Brookhaven National Laboratory, Upton, NY 11973
53. A. B. Brill, Medical Department, Brookhaven National Laboratory, Upton, NY 11973
54. A. L. Brooks, Inhalation Toxicology Research Inst., Lovelace Biomedical and Environmental Research Institute, P. O. Box 5890, Albuquerque, NM 87185
55. T. F. Budinger, Donner Laboratory, Rm. 230, University of California, Berkeley, CA 94720
56. Georg Burger, Institut fuer Strahlenschutz, Gesellschaft fuer Strahlen- und Umweltforschung, Ingolstaedter Landstrasse 1, D-8042 Neuherberg/Munich, Federal Republic of Germany
57. W. W. Burr, Jr., Oak Ridge Associated Universities, Medical Division, P. O. Box 117, Oak Ridge, TN 37831
58. Xing-an Chen, Laboratory of Industrial Hygiene, National Center for Preventive Medicine, 2 Xinkang Street, Deshengmeniwai, Beijing 100011, People's Republic of China

59. R. H. Clarke, National Radiological Protection Board, Chilton, Didcot, Oxon OX11 ORQ, UK
60. R. J. Cloutier, Radiopharmaceutical Internal Dose Center, Oak Ridge Associated Universities, MERT, P. O. Box 117, Oak Ridge, TN 37831
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70. Thomas Fearon, Dept. of Radiology, Children's Hospital, National Medical Center, 111 Michigan Ave., N.W., Washington, DC 20010
71. L. E. Feinendegen, Institute of Medicine, Nuclear Research Center Julich GmbH, P. O. Box 1913, D-5170 Julich, Federal Republic of Germany
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73. A. M. Friedman, University of Chicago, Dept. of Radiology, Nuclear Medicine Section, Box 429, Chicago, IL 60637
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79. K. Hubner, Department of Radiology, University of Tennessee Memorial Hospital, 1924 Alcoa Highway, Knoxville, TN 37920
80. V. Husak, Department of Nuclear Medicine, University Hospital, 775 02 Olomouc, Czechoslovakia
81. C. E. Iranzo, Paseo de la Castellana 201, Madrid 28046, Spain
82. G. V. Iyengar, National Bureau of Standards, Department of Commerce, Gaithersburg, MD 20899
83. Wolfgang Jacobi, Institut fuer Strahlenschutz der Gesellschaft fuer Strahlen- und Umweltforschung mbH, Ingolstaedter Landstr. 1, D-8042 Neuherberg, Federal Republic of Germany
84. P. H. Jensen, Applied Health Physics Section, Dept. of Health Physics, Riso National Laboratory, Postbox 49, DK-4000 Roskilde, Denmark
85. L. Johansson, Dept. of Radiation Physics and Nuclear Medicine, University of Goteborg Sahlgren Hospital, S-413 45 Goteborg, Sweden
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87. J. Kalef-Ezra, Department of Medical Physics, Medical School, University of Ioannina, Ioannina, Greece
88. A. Kaul, Institut fuer Strahlenhygiene des Bundesgesundheitsamtes, Ingolstaedter Landstrasse 1, D-8042 Neuherberg, Federal Republic of Germany
89. H. Kawamura, Division of Radioecology, National Institute of Radiological Sciences, Isezaki, Nakaminato, Ibaraki 311-12, Japan
90. J. G. Kereiakes, E555 Medical Sciences Building, University of Cincinnati, Cincinnati, OH 45267
91. Rene Kirchmann, CEN/SCK Laboratories, Department of Radiobiology, Boeretang 200, B-2400, Mol, Belgium
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93. J. Kruger, Nuclear Development Corporation, Private Bag X256, Pretoria 0001, South Africa
94. Emil Kunz, Institute of Hygiene & Epidemiology, Radiation Hygiene Department, Srobarova 48, 100 42 Parah lo-Vinohrady, Czechoslovakia
95. K. A. Lathrop, Hospital BOX 433, University of Chicago Medical Center, 5841 S. Maryland Avenue, Chicago, IL 60637

96. J. S. Laughlin; Sloan-Kettering Institute for Cancer Research, 1275 York Avenue, New York, NY 10021
97. Gee-Fong Liang, Radiation Laboratory, Taiwan Power Company, P.O. Box 7, Shinmen, Taiwan 253, Republic of China
98. J. Liniecki, Department of Nuclear Medicine, Medical Academy of Lodz, Czechoslovakia 8/10, 92-216 Lodz, Poland
99. R. D. Lloyd, Building 351, University of Utah, College of Medicine, Salt Lake City, UT 84112
100. Robert Loevinger, Radiation Physics C210, National Bureau of Standards, Gaithersburg, MD 20899
101. J. Logic, University of Alabama Medical Center, Birmingham, AL 35233
102. C. M. Luccioni, IPSN/DPS/SEAPS/LBA, Commissariat a' e' Energie Atomique, BP 6, 92260 Fontenay aux Roses, France
103. Matsuoka, National Institute of Radiological Sciences, 9-1 Anagawa-4-chome, Chiba-shi, Japan 260
104. S. Mattsson, Dept. of Radiation Physics and Nuclear Medicine, University of Goteborg Sahlgren Hospital, S-413 45 Goteborg, Sweden
105. H. R. Maxon, E. L. Saenger Radioisotope Lab., University of Cincinnati, Box 577, College of Medicine, Cincinnati, OH 45267
106. C. W. Mays, Radiobiology Division, University of Utah, Salt Lake City, UT 84112
107. R. O. McClellan, Lovelace Inhalation Toxicology Research Institute, P. O. Box 5890, Albuquerque, NM 87185
108. C. B. Meinhold, Chief, Safety and Environmental Protection Division, Bldg. 535A, Brookhaven National Laboratory, Upton, NY 11973
109. W. A. Mills, 2915 Ascott Lane, Olney, MD 20832
110. I. Mitsuhashi, Nuclear Engineering Department, NAIG Nuclear Research Laboratory, Nippon Atomic Industry Group Co., Ltd., Kawasaki-ku, Kawasaki-city, Japan
111. J. P. Moroni, SCPRI, B.P. No 35, F-78110 LeVosinet, France
112. Y. I. Moskalev, Institute of Biophysics, Ministry of Public Health, Zhivopisnoya 116, Moscow D-182, USSR
113. C. B. Nelson, U.S. Environmental Protection Agency, 401 M Street, S. W., (ANR-461), Washington, DC 20460
114. Neal Nelson, U.S. Environmental Protection Agency, 401 M Street, S.W., (ANR-461), Washington, DC 20460
115. J. C. Nenot, Institut de Protection et de Surete Nucleaire, Departement de Protection, Services de Pathologie et de Protection Sanitaire, Service de Protection Sanitaire, Centre d'Etudes Nucleaires, B.P. NO. 6, 92260 Fontenay-aux-Roses, France

116. Y. C. Ng, Environmental Science Division, Lawrence Livermore National Laboratory, P. O. Box 808, Livermore, CA 94550
117. D. Nosske, Institut fuer Strahlenhygiene, Ingoldstadter Landstrasse 1, D-8042 Neuherberg, Federal Republic of Germany
118. M. C. O'Riordan, National Radiological Protection Board, Chilton, Didcot, Oxon, England
119. J. M. Palms, Vice President for Academic Affairs, Emory University, Atlanta, GA 30322
120. N. Parmentier, Republique Francaise, Commissariat A L'Energie Atomique, Departement de Protection Sanitaire, Fontenay Aux Roses, France
121. C. L. Partain, Director, Nuclear Medicine, Vanderbilt University School of Medicine, Nashville, TN 37232
122. C. Pomroy, Atomic Energy Control Board, Ottawa K1P5S9, Canada
123. J. W. Poston, Dept. of Nuclear Engineering, College of Engineering, Texas A&M University, College Station, TX 77843
124. A. K. Poznanski, Department of Radiology, The Children's Memorial Hospital, 2300 Children's Plaza, Chicago, IL 60614
125. N. D. Priest, National Radiological Protection Board, Chilton, Didcot, Oxon OX11 ORQ, UK
126. P. V. Ramzaev, Institute of Radiation Hygiene, 8 Mira ul, Leningrad 197101, U.S.S.R.
127. Dr. Thomas Reavey, Office of Radiation Programs (ANR-461), U.S. Environmental Protection Agency, 401 M Street SW, Washington, DC 20460
128. H. D. Roedler, Institut fuer Strahlenhygiene, Ingolstaedter Landstrasse 1, D-8042 Neuherberg, Federal Republic of Germany
129. J. S. Robertson, Human Health and Assessments Division, Office of Energy Research, ER-73, U.S. Department of Energy (GTN), Washington, DC 20545
130. E. L. Saenger, Eugene L. Saenger Radioisotope Laboratory, University of Cincinnati Hospital, Cincinnati General Division, 234 Goodman Street, Cincinnati, OH 45267
131. R. A. Schlenker, Building 203, Center for Human Radiobiology, Argonne National Laboratory, 9700 Cass Avenue, Argonne, IL 60439
132. Itsuzo Shigematsu, Chairman, Radiation Effects Research Foundation, 5-2 Hijiyama Koen, Minami-ku, Hiroshima-shi, 730, Japan
133. W. K. Sinclair, President, National Council on Radiation Protection and Measurement, 7910 Woodmont Avenue, Suite 1016, Bethesda, MD 20814
134. G. Silini, Secretary of UNSCEAR, Vienna International Center, P. O. Box 500, A-1400 Vienna, Austria
135. K. W. Skrable, University of Lowell, Lowell, MA 01854

136. J-O. Snihs, Statens Stralskyddsinstitut, Box 60204, S-10301 Stockholm, Sweden
137. M. G. Stabin, Radiopharmaceutical Internal Dose Center, Oak Ridge Associated Universities, MERT, P. O. Box 117, Oak Ridge, TN 37831
138. J. N. Stannard, 17441 Plaza Animado, Apt. 132, San Diego, CA 92128
139. H. W. Strauss, Director, Nuclear Medicine Division, Massashusettts General Hospital, Fruit Street, Boston, MA 02114
140. R. E. Sullivan, U.S. Environmental Protection Agency, 401 M Street, S.W., (ANR-461), Washington, DC 20460
141. Eizo Tajima, Vice Chairman, Atomic Energy Safety Commission, 2-2-1 Kasumigaseki, Chiyoda-ku, Tokyo 100, Japan
142. G. Tanaka, Division of Radioecology, National Institute of Radiological Sciences, Isezaki, Nakaminato, Ibaraki 311-12, Japan
143. A. C. Taner, Ankara Nuclear Research and Training Center, Fen Fakultesi Arkasi, Besevler-Ankara, Turkey
144. D. M. Taylor, Institute for Genetics & Toxicology, Kernforschungszentrum Karlsruhe, Postfach 3640, D-7500 Karlsruhe 1, Federal Republic of Germany
145. G. N. Taylor, Division of Radiobiology, Building 522, University of Utah, Salt Lake City, UT 84112
146. J. W. Thiessen, Office of Health and Environmental Research ER-71, U.S. Department of Energy (GTN), Washington, DC 20545
147. R. H. Thomas, Director's Office, Building 50A-4112, Lawrence Berkeley Laboratory, University of California, Berkeley, CA 94720
148. S. R. Thomas, Dept. of Radiology Physics, Medical Sciences Building, E-465, Cincinnati, OH 45267
149. R. C. Thompson, Battelle Pacific Northwest Laboratories, 331 Bldg./300 Area, Richland, WA 99352
150. M. C. Thorne, Associated Nuclear Services, 123, High Street, Epsom, Surrey KT19 BEB, England
151. J. E. Till, Route 2, Box 122, Neeses, SC 29107
152. S. Treves, Head, Nuclear Medicine, Children's Hospital Medical Center, 300 Long Wood Avenue, Boston, MA 02115
153. M. Uchiyama, National Institute of Radiological Sciences, Division of Physics, 9-1, Anagawa-4-chome, Chiba-shi 260, Japan
154. D. Van As, Nuclear Development Corporation, Private Bag X256, Pretoria 0001, South Africa
155. B. W. Wachholz, Low Level Radiation Effects Branch, National Cancer Institute, Landow Building BC-09, 9000 Rockville Pike, Bethesda, MD 20205
156. D. Van As, Nuclear Development Corporation, Private Bag X256, Pretoria 0001, South Africa
157. B. W. Wachholz, Low Level Radiation Effects Branch, National Cancer Institute, Landow Building 8C-009, 9000 Rockville Pike, Bethesda, MD 20205

158. H. N. Wagner, Jr., Division of Nuclear Medicine, Johns Hopkins Medical Institute, Baltimore, MD 21205
159. J. T. Walker, U.S. Environmental Protection Agency, 401 M Street, S.W., (ANR-461), Washington, DC 20460
160. E. E. Watson, Radiopharmaceutical Internal Dose Center, Oak Ridge Associated Universities, MERT, P. O. Box 117, Oak Ridge, TN 37831
161. D. A. Weber, University of Rochester, Medical Center, 601 Elmwood Avenue, Rochester, NY 14642
162. L. R. Williams, Indiana University, Mathematics Department, 1700 Mishawaka Avenue, South Bend, IN 46615
163. B. C. Winkler, Private Bag X256, Pretoria, 0001, South Africa
164. Walter Wolf, School of Pharmacy, University of Southern California, Los Angeles, CA 90033
165. R. W. Wood, Physical and Technology Research Div., ER-74, Office of Health and Environmental Research, U.S. Department of Energy (GTN), Washington, DC 20545
166. M. E. Wrenn, Director, Radiobiology Division, Department of Pharmacology, School of Medicine, University of Utah Medical Center, Salt Lake City, UT 84112
167. H. O. Wycoff, Chairman, International Commission on Radiation Units and Measurements, 7910 Woodmont Avenue, Suite 1016, Bethesda, MD 20814
168. S. Wynchank, Research Institute for Medical Biophysics (RIMB), P. O. Box 70, Tygerberg 7505, Republic of South Africa
169. Hiroshi Yamaguchi, National Institute of Radiological Sciences, Division of Physics, 9-1, Anagawa-4-chome, Chiba-shi 260, JAPAN
170. Shlomo Yaniv, Health Effects Branch - MS 1130-SS, Division of Health, Siting and Waste Management, RES, U.S. Nuclear Regulatory Commission, Washington, DC 20555
171. R. W. Young, Armed Forces Radiobiology Research Institute, Naval Medical Center, Bethesda, MD 20814-5145
172. P. B. Zanzonico, Sloan-Kettering Institute for Cancer Research, 1275 York Avenue, New York, NY 10021