

Available radiation qualities

Reference date for the maximum rate: March 1st, 2026

| Gamma emitting sources | Energy (keV) | Air kerma rate (maximum rate @1m) | |
|---|---------------------|---|------------------------|
| ⁶⁰ Co | 1250 | 0.03 - 13500 | mGy/h |
| ¹³⁷ Cs | 662 | 0.0003 - 226 | mGy/h |
| ²⁴¹ Am | 59.5 | 2.7 - 54 | μGy/h |
| Beta emitting sources | Energy (keV) | Dose rate (Hp(0.07)) | |
| ⁸⁵ K | 687 | 44.4 | mSv/h (@30cm) |
| ⁹⁰ Sr/ ⁹⁰ Y | 546/2273 | 125 | mSv/h (@30cm) |
| ⁹⁰ Sr/ ⁹⁰ Y | 546/2273 | 4.9 | mSv/h (@30cm) |
| ¹⁴⁷ Pm | 225 | 1.3 | mSv/h (@20cm) |
| Neutron emitting sources | Energy (keV) | Dose rate (H*(10)) (maximum rate @50 cm) | |
| ²⁵² Cf | 2130 | 268 | μSv/h |
| ²⁵² Cf | 2130 | 745 | μSv/h |
| ²⁵² Cf | 2130 | 3370 | μSv/h |
| ²⁴¹ Am ⁹ Be | 4100 | 32.6 | μSv/h |
| ²⁴¹ Am ⁹ Be | 4100 | 101.6 | μSv/h |
| ²⁴¹ Am ⁹ Be | 4100 | 1016 | μSv/h |
| Planar sources (radiation quality) | Energy (keV) | Surface emission rate | |
| ⁹⁰ Sr/ ⁹⁰ Y (beta) | 546/2273 | 13.1 | 1/(s cm ²) |
| ³⁶ Cl (beta) | 710 | 5.2 | 1/(s cm ²) |
| ¹⁴ C (beta) | 156 | 3.6 | 1/(s cm ²) |
| ²⁴¹ Am (alpha) | 5486 | 5.5 | 1/(s cm ²) |
| ⁶⁰ Co (beta) | 318 | 0.77 | 1/(s cm ²) |
| ²³⁹ Pu (alpha) | 5156 | 4.9 | 1/(s cm ²) |
| ¹³⁷ Cs (beta) | 512 | 5.1 | 1/(s cm ²) |

X-ray radiation qualities available in a separate table