

Table 1

RADIONUCLIDE TOXICITY CLASSIFICATION

Very High Radiotoxicity (Group 1)

Pb-210	Ra-228	Th-229	U-232	Pu-236	Pu-241	Am-243	Cm-244	Cm-248	Cf-251
Po-210	Ac-227	Th-230	U-233	Pu-238	Pu-242	Cm-240	Cm-245	Cf-248	Cf-252
Ra-223	Th-227	Pa-231	U-234	Pu-239	Am-241	Cm-242	Cm-246	Cf-249	Cf-254
Ra-225	Th-228	U-230	Np-237	Pu-240	Am-242m	Cm-243	Cm-247	Cf-250	Es-254
Ra-226									

High Radiotoxicity (Group 2)

Na-22	Y-91	Cd-115m	I-125	Ba-140	Tm-170	Pb-212	Ac-228	Pu-244	Cf-253
Cl-36	Zr-93	In-114m	I-126	Ce-144	Hf-181	Bi-207	Th-232	Am-242	Es-253
Ca-45	Nb-94	Sb-124	I-129	Eu-152	Ta-182	Bi-210	Th Nat	Cm-241	Es-254m
Sc-46	Ru-106	Sb-125	I-131	Eu-154	Ir-192	At-211	Pa-230	Bk-249	Fm-255
Co-60	Ag-110m	I-124	Cs-134	Tb-160	Tl-204	Ra-224	U-236	Cf-246	Fm-256
Sr-90									

Moderate Radiotoxicity (Group 3)

Be-7	Fe-52	Se-75	Zr-95	Pd-109	Te-132	Ce-139	Er-169	Pt-197	Pa-233
F-18	Fe-55	Br-82	Zr-97	Ag-105	Te-133m	Ce-141	Er-171	Au-196	U-231
Na-24	Fe-59	Kr-74	Nb-90	Ag-111	Te-134	Ce-143	Tm-171	Au-198	U-237
Si-31	Co-55	Kr-77	Nb-93m	In-111	I-120	Pr-142	Yb-175	Au-199	U-240
P-32	Co-56	Kr-87	Nb-95	Cd-109	I-123	Pr-143	Lu-177	Hg-197	Np-240
P-33	Co-57	Kr-88	Nb-96	Cd-115	I-130	Nd-147	W-181	Hg-197m	Np-239
S-35	Co-58	Rb-86	Mo-90	In-115m	I-132m	Nd-149	W-185	Hg-203	Pu-234
Cl-38	Ni-63	Sr-83	Mo-93	Sn-113	I-133	Pm-147	W-187	Tl-200	Pu-237
Ar-41	Ni-65	Sr-85	Mo-99	Sn-125	I-135	Pm-149	Re-183	Tl-201	Pu-245
K-42	Cu-65	Sr-89	Tc-96	Sb-122	Xe-135	Sm-151	Re-186	Tl-202	Am-238
K-43	Zn-65	Sr-91	Tc-97m	Te-121	Cs-132	Sm-153	Re-188	Pb-203	Am-240
Ca-47	Ga-67	Sr-92	Tc-97	Te-121m	Cs-136	Eu-152m	Os-185	Bi-206	Am-244m
Sc-47	Zn-69m	Y-90	Tc-99	Te-123m	Cs-137	Eu-155	Os-191	Bi-212	Am-244
Sc-48	Ga-72	Y-92	Ru-97	Te-125m	Ba-131	Gd-153	Os-193	Rn-220	Cm-238
V-48	As-73	Y-93	Ru-103	Te-127m	La-140	Gd-159	Ir-190	Rn-222	Bk-250
Cr-51	As-74	Zr-86	Ru-105	Te-129m	Ce-134	Dy-165	Ir-194	Th-226	Cf-244
Mn-52	As-76	Zr-88	Rh-105	Te-131	Ce-135	Dy-166	Pt-191	Th-231	Fm-254
Mn-54	As-77	Zr-89	Pd-103	Te-131m	Ce-137m	Ho-166	Pt-193	Th-234	

Low Radiotoxicity (Group 4)

H-3	Mn-53	Ge-71	Sr-81	Mo-93m	Te-127	Xe-133	Cs-135m	Po-207	Pu-243
C-11	Mn-56	Kr-76	Sr-85m	Mo-101	Te-129	Cs-125	Cs-138	Ra-227	Am-237
N-13	Co-58m	Kr-79	Sr-87m	Tc-96m	Te-133	Cs-127	Ce-137	U-235	Am-239
C-14	Co-60m	Kr-81	Y-91m	Tc-99m	I-120m	Cs-129	Os-191m	U-238	Am-245
O-15	Co-61	Kr-83m	Nb-88	Rh-103m	I-121	Cs-130	Pt-193m	U-239	Am-246m
Ar-37	Co-62m	Kr-85m	Nb-89	In-113m	I-128	Cs-131	Pt-197m	U NAT	Am-246
Mn-51	Ni-59	Kr-85	Nb-97	Te-116	I-134	Cs-134m	Po-203	U DEP	Cm-249
Mn-52m	Zn-69	Sr-80	Nb-98	Te-123	Xe-131m	Cs-135	Po-205	Pu-350	