

**ALL AMOUNTS IN THE TABLES ARE DECAY-CORRECTED CUMULATIVE INVENTORY**

**BASIC AUTHORIZATION**

nuclide	default ceiling amount (mCi)	max HP ceiling amount (mCi)
H-3	22.5	45
C-14	12	24
P-32	9	18
P-33	15	30
S-35	15	30
Ca-45	12	24
Cr-51	15	30
Fe-55	15	30
I-125	3	6

**ADVANCED AUTHORIZATION'**

**CEILING AMOUNTS ARE ZERO UNTIL THE AREA HP APPROVES THE USE OF ANY GIVEN NUCLIDE BY AN AUTHORIZED USER**

nuclide	default ceiling amount (mCi)	max HP ceiling amount (mCi)	nuclide	default ceiling amount (mCi)	max HP ceiling amount (mCi)
Na-24	3	6	Y-90	9	18
Mg-28	1.5	3	Nb-95	12	24
Cl-36	12	24	Mo-99	12	24
K-42	13.5	27	Tc-99	13.5	27
Mn-54	9	18	Tc-99m	19.5	39
Co-57	15	30	Ru-103	10.5	21
Fe-59	6	12	In-111	10.5	21
Co-60	1.5	3	I-123	13.5	27
Ni-63	15	30	I-129	0	0
Cu-67	13.5	27	I-131	1.5	3
Ga-67	13.5	27	Ce-141	12	24
As-73	15	30	Gd-153	12	24
Se-75	3	6	Sm-153	12	24
Rb-86	9	18	Lu-177	12	24
Y-88	1.5	3	Re-186	12	24
Sr-90	3	6	Au-198	9	18
			Hg-203	7.5	15

\* Each isotope in this list is individually approved for an AU who wishes to order it. They would be assigned the default ceiling for that nuclide upon HP approval.

- A protocol is REQUIRED to possess more than the max HP ceiling amount
- The following positron-emitting isotopes require protocols for any amount ordered:  
  
C-11, N-13, O-15, F-18, Na-22, Cu-64, Zn-65, Ga-68, Br-76, Rb-82, Tc-94m, I-124
- All unbound iodines require a protocol or use of the DRS Hot Lab Facility
- All alpha-emitting radionuclides require a protocol!
- To order a nuclide not on either list, contact your Area Health Physicist (6-5774)