

Application for Registration/Certification of Laboratory/Room for Use of Radioactive Materials

Docket # _____

1. Laboratory/Room to Be Registered/Certified, Bldg/Room: _____

2. Authorized Investigator (AUI): _____ AUI #: _____

3. AUI's Home/Cell Phone: _____ Lab Phone: _____

4. Lab Radiation Safety Agent (LRSA): _____ LRSA's Home/Cell Phone: _____

5. Types of use in this lab/room (check as appropriate, several may apply):

- | | | | |
|-------------------------|--------------------------|----------------|----------------|
| Animal Room | Cold Room | Equipment Room | Storage |
| Animal Surgery | Counting Room | Hot Lab | Tissue Culture |
| Biohazard Facility/BSL3 | Darkroom/Autoradiography | Standard Lab | Waste Storage |
| Other _____ | | | |

6. Special facilities: (Check)

- A fume hood operating at manufacturer's specifications is required for work with > 25 mCi H-3 or > 0.5 mCi of I-125 or I-131.
Labeling with radioiodine also requires the use of a specific radioiodine hood insert. Call RSO for details.
- Acrylic glass (Plexiglas, Lucite) shields for work with P-32 (**P-32 work requires beta shielding**)
- Lead shielded locations
- Other _____

7.0 Average quantities of radionuclides used and/or stored per month in *this lab/room*:

(LO = Labeled Organics LR = Labeling Reagent NN = Nucleosides & Nucleotides)

H-3 LO _____ mCi/month, _____ mCi stored	Cr-51 _____ mCi/month, _____ mCi stored	
H-3 LR _____ mCi/month, _____ mCi stored	I-125 LO _____ mCi/month, _____ mCi stored	LSC
C-14 _____ mCi/month, _____ mCi stored	I-125 LR _____ mCi/month, _____ mCi stored	
P-32 LR _____ mCi/month, _____ mCi stored	I-131 _____ mCi/month, _____ mCi stored	Nal
P-32 NN _____ mCi/month, _____ mCi stored	OTHER _____ mCi/month, _____ mCi stored	
P-33 _____ mCi/month, _____ mCi stored	OTHER _____ mCi/month, _____ mCi stored	GM
S-35 _____ mCi/month, _____ mCi stored	OTHER _____ mCi/month, _____ mCi stored	

8. Describe radioactive materials use in *this lab*:

(To be completed by RSO Reviewer)

Lab Type	Date	Initials

9. Special radioactive materials use: (Check as appropriate)

- Animal Use
- Primate Use
- Other _____
- Radioiodinations (hood insert required)
- > 25 mCi at a time of any radionuclide

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10. Waste disposal: (estimate approximate amount disposed per month in each category in this lab/room.)

Absorbed Liquid	_____ pails/month	LSC	_____ vials/month
Dry LSA waste	_____ boxes/month	Sewer	_____ μ Ci/month
Animal Carcasses	_____ kg/month	Other (describe)	_____

11. Surveys: Laboratory surveys shall be conducted according to the following schedule: 1) during use and prior to short breaks with an instrument (GM or NaI as appropriate, no record is necessary); 2) after use with an appropriate instrument (or wipes if use involves H-3, C-14, and/or S-35; a record must be kept); and 3) monthly with an instrument and/or wipes as appropriate for your authorized radionuclides in use (records must be kept for 3 years). *These survey requirements must be met, or receipt of radionuclides will be interrupted.*

11. Existing/new instruments to be housed in this lab: Manuf. _____ Model # _____ Ser # _____
(New instruments also require submission of Form 51.)

12. Security: How are radioactive materials secured when the lab is not occupied?
 Locked lab door Locked cabinet Locked freezer Other _____

13. List any unusual hazards associated with this lab (e.g., BSL2/3 facility, etc.): _____

14. Detailed sketch of lab (show areas of use, hot sinks, hoods, storage, waste storage, etc)(One lab per Form 50 only!!):

The information and description on this form have been verified by inspection by the Radiation Safety Office, EH&S. The work described and amount of material in use are compatible with the space and facilities of this laboratory. The space described is hereby registered for radiation use.

Reviewer, RADIATION SAFETY OFFICE

Date

Required Posted Information:

- RHF-3 "Notice to Employees"
- RSO-55 Radiation Safety Office Certification
- Emergency Procedures