

LSUHSC Radionuclide Inventory Form Instructions

1. Vial No.

Each source vial is assigned a number by the Radiation Safety Officer upon arrival at LSUHSC. This assigned number will be the tracking number during use, storage and disposal from your lab.

2. Date Received

The date the source vial or radioactive material was received by the Radiation Safety Office.

3. Storage Location

The laboratory/room number and building name.

4. Radionuclide

The symbol of the isotope; (P32, S35, I125, H3, ex...) chemical name; (Methionine, ATP, DCTP, etc.) and Amount activity; (*u* Ci or *m*Ci).

5. Permit Holder

The name of the licensed permit holder under whose authority this radioactive material was ordered.

6. Department of permit holder

7. Reference Date is the ASSAY DATE of the isotope

8. Vial Container - CPM

Survey the colored plastic outer Vial with a wipe test and write down CPM

Isotope Vial - CPM

Survey the inner isotope vial with a wipe test and write down CPM

9. Background Survey - CPM

Perform a background survey outside of the lab in a non radioactive area. Take a wipe test and compare the results in CPM to the Vial Container and Isotope Vial CPM, if contamination of either is 3 times greater than background notify Radiation Safety Officer at 568-6585.

10. Amount Used - (*u*Ci or ml)

Amount of radioactivity or volume remaining in source vial at each entry. The user should consider the decay factor of the specific nuclide when completing this column for radioactivity. (Example: If you have a 250 *u*Ci of P-32 isotope with an assay date of 1/1/2004 and you used half of that total volume on that date you would have 125 *u*Ci Left. Or if you had 10ml volume you would have 5 ml volume that day left. Remember if you are using activity values you need to figure out decay factors.)

11. Balance

The total amount of radioactivity or volume remaining in the source vial. The user should consider the decay factor when listing the entry in this column.

12. Date used

The date any quantity is removed from source vial.

13. User's name

The name of each person removing radioactivity from the source vial.

14. Amount Disposed

Radioactive waste discarded and stored within the lab, which was generated from the amount listed in the "Amount Used (*u*Ci or ml)" column.

15. Disposal Form: L/D/V/C

List from the following options; L = liquid; D = dry solids; V = scintillation vial cocktails and other liquids; C = animal carcasses (LIST KIND AND QUANTITY)