

FORM 4

University of California, Davis
Environmental Health & Safety, Health Physics

RUA Number: _____

SAFETY PROTOCOL

Provide a copy of this protocol to each co-worker participating in the experiment.

Title of protocol: _____

Purpose: _____

Radionuclide(s): _____

Chemical Form: _____

A. What personnel protection methods will be used to prevent contamination and internal exposures to radiation?
Disposable gloves _____ Disposable shoe covers _____ Laboratory coat or coveralls _____ Glove box _____
Fume hood _____ (Flow rate: _____ FPM) Absorbent paper _____
Other: (explain) _____

B. How will you detect radioactive contamination and/or radiation fields?
Wipes and liquid scintillation counting/or gamma well counting: _____
G.M. Survey Meter Model: _____
Ionization Chamber Model: _____
Other (explain): _____

C. Radiation work works must be surveyed at the end of each experiment. At what frequency will you check the rest of the laboratory for contamination?
After each experiment _____ Daily _____ Weekly _____ Biweekly _____
Other (explain): _____

D. Explain your method for decontamination of nondisposable objects contaminated with the radioactivity:

FORM 4 CONTINUED:

E. What personnel protection methods will be used to prevent external exposures?

Shielding (explain): _____

Distance: _____

Devices (e.g., long-handled tongs, etc.) explain: _____

Time in the work area: _____

F. List the types of radioactive waste you will have and where you will store each form of waste until EH&S picks it up. Estimate the volume per month:

	Expected Disposal (Yes/No)?	Storage Location	Quantity/Month
Dry			(cubic feet)
Liquid			(gallons)
Biological			(pounds)
Scintillation vials			(flats [100 vials/flat])
What type of liquid chemical form will be generated ? (i.e., H ₂ O, ethanol, etc.)			

G. Protocol

Describe your protocol for the use of each radionuclide emphasizing radiation safety procedures below. INDICATE LABORATORY PROCEDURES, THE SEQUENCE IN WHICH THEY ARE PERFORMED, PERSONNEL PROTECTION METHODS AS THEY ARE USED, AND DISPOSITION OF WASTE AS IT IS PRODUCED. The scientific basis of the protocol should not be addressed. Attach additional pages if necessary. (Do not submit reprints.)
