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:


RUA Number: ____________________
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:

<table>
<thead>
<tr>
<th>Expected Disposal (Yes/No)?</th>
<th>Storage Location</th>
<th>Quantity/Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry</td>
<td></td>
<td>(cubic feet)</td>
</tr>
<tr>
<td>Liquid</td>
<td></td>
<td>(gallons)</td>
</tr>
<tr>
<td>Biological</td>
<td></td>
<td>(pounds)</td>
</tr>
<tr>
<td>Scintillation vials</td>
<td></td>
<td>(flats [100 vials/flat])</td>
</tr>
</tbody>
</table>

What type of liquid chemical form will be generated? (i.e., H₂O, 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.)