

## RPR 28A. RADIOPHARMACY EVALUATION CHECK LIST

(Use in addition to RPR 50A.)

**Responsible User:** \_\_\_\_\_ **Group No.:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Building:** \_\_\_\_\_ **Room(s):** \_\_\_\_\_

**Completed By:** \_\_\_\_\_

EVALUATION CRITERIA	YES	NO
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**Surveys:**

- |  |     |     |
|--|-----|-----|
| 1. Daily contamination surveys performed (restricted areas A-R on IRP map)?  | ( ) | ( ) |
| 2. Daily surveys of lab area (restricted areas A-R on IRP map)?  | ( ) | ( ) |
| a. Exposure rates measured?  | ( ) | ( ) |
| b. Wipe surveys performed?   | ( ) | ( ) |
| 3. Weekly wipe surveys of unrestricted areas performed?<br>(offices, lunchroom, vehicles)  | ( ) | ( ) |
| 4. Records maintained and contain required data?<br>date of survey, plan of areas surveyed, action levels, detected dose rate in mrem/hr or removable contamination in dpm/100 cm <sup>2</sup> , survey instrument used, serial number, calibration date, surveyor initials  | ( ) | ( ) |
| 5. Areas decontaminated if 2000 dpm/100 cm <sup>2</sup> ?  | ( ) | ( ) |
| 6. Incoming package surveys?   | ( ) | ( ) |
| a. Exposure rates?   | ( ) | ( ) |
| b. Wipe surveys?   | ( ) | ( ) |
| c. Records maintained and contain required data?<br>date of survey, survey meter used, radiopharmaceutical, activity received (mCi), exposure rate (mR/hr) at package surface and 1 meter, contamination measurement (dpm/100 cm <sup>2</sup> ), scaler used, count time, efficiency, counts, surveyor initials                        | ( ) | ( ) |
| 7. Outgoing package surveys?   | ( ) | ( ) |
| a. Exposure rates?   | ( ) | ( ) |
| b. Wipe surveys?   | ( ) | ( ) |
| c. Records maintained and contain required data?<br>date of survey, survey meter used with calibration date, radiopharmaceutical, activity (mCi), exposure rate (mR/hr) at package surface, contamination measurement (cpm based on 6600 dpm/300 cm <sup>2</sup> ), scaler used with calibration date, count rates, surveyor signature | ( ) | ( ) |
| 8. Hood and charcoal trap monitoring performed?  | ( ) | ( ) |
| a. Records maintained and contain required data?<br>posting of spill clearance time calculation and post-spill safety measures<br>monthly collection system operation check and ventilation rate measurement every 6 mo.   | ( ) | ( ) |

## RPR 28A. RADIOPHARMACY EVALUATION CHECK LIST (cont.)

(Use in addition to RPR 50A.)

Responsible User: \_\_\_\_\_ Group No.: \_\_\_\_\_ Date: \_\_\_\_\_

### Waste Disposal:

1. Hold for decay methods adequate (decay of 10 half-lives)? ( ) ( )
2. Records of disposals maintained and contain required data? ( ) ( )  
date of disposal, date material was stored, radionuclides disposed, survey instrument used, serial number, calibration date, background dose rate, highest dose rate measured at surface, name of disposer

### Dose Calibrator:

1. Daily constancy check performed? ( ) ( )
  - a. Records maintained and contain required data? ( ) ( )  
dose calibrator model and serial number, identity of radionuclide in check source, date of check, activity measured, checker initials
2. Annual accuracy tests performed? ( ) ( )
  - a. Records maintained and contain required data? ( ) ( )  
dose calibrator model and serial number, model and serial number of check source, identity of radionuclide in check source and its activity, date of test, results of test, signature of on-site RSO (RPD)
3. Quarterly linearity tests performed? ( ) ( )
  - a. Records maintained and contain required data? ( ) ( )  
dose calibrator model and serial number, calculated activities, measured activities, date of test, signature of on-site RSO (RPD)

### RADIOPHARMACEUTICAL USE:

1. Mo-99 breakthrough tests performed? ( ) ( )
  - a. Records maintained and contain required data? ( ) ( )  
measured activity of Tc-99m in mCi, measured activity of Mo-99 in  $\mu$ Ci, ratio of measures expressed as  $\mu$ Ci Mo-99 per mCi Tc-99m, time and date of measurement, measurer's initials
2. Unit dosage (prescription) records maintained and contain required data? ( ) ( )  
supplier (IRP), radiopharmaceutical name, lot number, expiration date, radionuclide, name of nuclear medicine procedure, prescribed dosage, activity of dosage, date and time of dose calibration, pharmacist's initials
3. Multidose vial records maintained and contain required data? ( ) ( )  
radionuclide, radiopharmaceutical name, date of receipt or preparation, date and time of initial assay, amount in mCi and ml, supplier or kit manufacturer, initials of preparer, disposal method and date (if discarded by IRP)
4. Syringe and vial shields used when dosages prepared? ( ) ( )

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**Responsible User:** \_\_\_\_\_ **Group No.:** \_\_\_\_\_ **Date:** \_\_\_\_\_

5. Syringes and syringe shields containing radiopharmaceuticals labeled with required data? ( ) ( )  
radiopharmaceutical name, name of nuclear medicine procedure to be performed

6. Vial radiation shield containing a vial labeled with required data? ( ) ( )  
radiopharmaceutical name

### Calibration and Reference Sources:

1. Sources requiring leak tests? ( ) ( )  
a. Additions? ( ) ( )  
b. Deletions? ( ) ( )

2. Other check sources? ( ) ( )  
a. Additions? ( ) ( )  
b. Deletions? ( ) ( )

3. Quarterly inventory performed? ( ) ( )  
a. Records maintained and contain required data? ( ) ( )  
model and serial number of source, radionuclide and its nominal activity, location of source, signature of on-site RSO (RPD)

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