

Instructions

1. Make arrangements with the Central Animal Facility office for the separate care and housing of radioactive animals if they are to be returned to the CAF.
2. Complete and submit this form to Health Physics, hphys@mcmaster.ca for approval at least two days prior to the experiment. The experiment may not proceed until approved by Health Physics.
3. The person injecting radioactive material must complete part B of this form and return to Health Physics at the completion of injections.

A. To be completed by the researcher prior to the experiment

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|-----------------|--|---|--|
| Supervisor | | HPAC Permit Number | |
| Researcher | | Project Number | |
| Type of animal | | Total number of animals | |
| Isotope | | (A) Quantity injected μCi | |
| Start date | | (B) Quantity remaining in animal μCi | |
| Completion date | | (C) Quantity extracted from animal μCi | |
| Room number | | (D) Quantity in bedding μCi | |

Corrected for decay, (B) + (C) + (D) must equal (A). The answers to questions (A) to (D) are required to legally dispose of this material.

B. To be completed at the time of injection by the person injecting radioactive material

I certify that the following quantity of radioactive material was injected into each animal: _____ μCi

Signature: _____ Date: _____

C. Conditions of approval

1. If you have not been observed by Health Physics staff performing an injection with this isotope, you may only do so under the supervision of an individual authorized for injections with this isotope. Contact Health Physics to arrange a work observation or for further guidance.
2. All cages or containers must be identified with "cage cards" by the researcher. Cages may only be stored in a room permitted for radioactive use.
3. Each individual carcass and each change of bedding must be packaged separately and identified by the researcher as radioactive using labels provided by Health Physics. Labels must include the isotope and activity contained, the date of injection, the name of the researcher and the earliest potential date of disposal indicated below (if applicable).
4. Waste must be stored in a designated cold room or freezer permitted for storage of radioactive material.
5. Waste may not be disposed until approved by Health Physics following a clearance survey. Contact Health Physics to arrange disposal once the decay until date below has passed. For long lived isotopes, ensure all waste is stored in the designated location in the CAF. Health Physics will arrange disposal on a regular basis.
6. If the experiment involves rabbits housed in wire cages, the cages must be modified to collect all urine spray into the tray

Bedding and carcasses must be decayed until: _____

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| Approval of Health Physics: | | Approval date: | |
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