

**Form 107-Instructions to  
Radioisotope Procurement and  
Use**

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Form 107, the Application for Procurement and Use of Radioactive Materials, may be filled out online, or, must be printed legibly, in ink.

1. Indicate whether this is a new or renewal application. Renewals should be submitted sufficiently in advance to ensure no gap exists between the expiration date of the existing protocol and a renewal application.
2. When approved, individuals must first read and sign a statement acknowledging that they have read the radiation safety manual prior to handling radioactive materials. In addition, attendance at the annual radiation safety briefing is mandatory. Research personnel may be added to the list at any time during the approved period for each application by sending a memo in advance to the Radiation Safety Committee.
3. List each isotope requested for approval ( $^3\text{H}$ ,  $^{35}\text{S}$ ), the compound or chemical form (thymidine, methionine, orthophosphate) and maximum possession at any given time, including storage of waste and materials.
4. Briefly describe, in lay terms, the protocols(s) for which each radioisotope will be used. Include methods and why each radioisotope was selected. Several experimental procedures may be listed to that one application encompasses all of the P.I.'s work with radioisotopes. If animals are used, describe plans for housing, marking cages, controlling waste products, etc.
5. When describing methods and precautions used for protection, include gloves, protective shields, lab coats, monitoring, etc.
6. List anticipated forms of waste (liquid, solid, absorbed liquids or gas) and disposal. For animals, indicate radioactivity/animal and weight of animal. NOTE: The PI is responsible for appropriate band and tag identification, placing into animal quarter freezer for radioactive carcasses, and transfer to regular animal disposal freezer after proper radioactive decay.