THE LANKENAU INSTITUTE FOR MEDICAL RESEARCH
APPLICATION FOR THE USE OF RADIOACTIVITY IN ANIMALS

MUST BE TYPEWRITTEN

1. Title of Project:

2. Principal Investigator(s):

3. Telephone Extension:
   Emergency No:

4. Radionuclide ($^3$H, $^{14}$C, etc.):
   A. Name of Manufacturer:

5. Chemical and/or Physical Form:

6. Half-life of the radionuclide:

7. Type of radiation emitted:

8. Proposed start date of experiment:

9. Proposed completion date of experiment:

10. List name(s) of personnel who will work with isotope:

11. Location isotopic material is stored:

12. Location of experiment:
13. Animal species:

14. Total number of animals:

15. Dose per administration (µCi/gm tissue):

16. Route of administration:

17. Frequency of administration:

18. Total number of doses/animal:

19. Number of days between last dose and necropsy:

20. List the routes of excretion of the radionuclide:

21. Biological half-life of radioactive substance in animal:

22. Major metabolites:

23. For each radioactive metabolite --
   
a. Routes of excretion:
   
b. Time period during which each radioactive metabolite is excreted under the proposed experimental conditions:
24. Special procedures for the handling of treated animals (gloves, respirator, approved clothing, goggles, etc.):

25. Describe special requirements for animal care and housing.

26. Decontamination procedures for radionuclides other than $^3$H or $^{14}$C, or if control procedures are not described in the Radiation Safety Manual.

   A. Bench surfaces:

   B. Instruments:

   C. Equipment:

   D. Other:
27. Disposal Procedures for radionuclides other than $^3$H or $^{14}$C, or if control procedures are not described in the Radiation Safety Manual.

A. Isotope:

B. Contaminated waste:

C. Animal carcasses:

28. Emergency procedures if the radionuclide is not $^3$H or $^{14}$C, or if control procedures are not described in the Radiation Safety Manual.

A. In the event of human exposure (inhalation, ingestion, inoculation):

B. Environmental contamination:

29. Monitoring procedures if the radionuclide is not $^3$H or $^{14}$C, or if control procedures are not described in the Radiation Safety Manual.

A. 

B.
The Principal Investigator(s) must conduct his/her research program involving licensed radioactive materials in accordance with the provisions of the Center's NRC license, NRC regulations, representations made in the license application/amendment, NIH guidelines, and the policies and procedures outlined in the Radiation Safety Manual and the Animal Care Program Policies and Procedures Manual.

Principal Investigator(s):

Signature: ___________________________ Date: ____________

Signature: ___________________________ Date: ____________

INSTITUTIONAL APPROVALS

Radiation Safety Officer ___________________________ Date: ____________
The Lankenau Hospital

Chairman, LACUC ___________________________ Date: ____________
The Lankenau Institute for Medical Research

Administration ___________________________ Date: ____________
The Lankenau Institute for Medical Research