

## Application for permission for animal experiments

Application to be submitted/ sent to either CPCSEA or Institutional Animal Ethics Committee (IAEC)

1. Project title.
2. Chief investigator.
  - a. Name
  - b. Designation
  - c. Department/ Division/ Lab
  - d. Telephone number
3. List of names of all individuals authorized to conduct procedures under this proposal.
4. Funding source.
5. Duration of the project
  - a. Number of months
  - b. Date of initiation
  - c. Date of completion
6. If date by which approval is needed is less than six weeks from date of submission, justification for the same.
7. Study objectives (aims of the study and why they are important) to be explained briefly using non-technical terms as far as possible.
8. Animals required
  - a. Species
  - b. Age/ weight/ size
  - c. Gender
  - d. Numbers to be used (year wise break ups and total figures to be given)
  - e. Number of days each animal will be housed.
9. Rationale for animal usage.
  - a. Why is animal usage necessary for these studies?
  - b. Why are the particular species selected required?
  - c. Why is the estimated number of animals essential?
  - d. Similar experiments conducted in the past. If so, the number of animals used and results obtained in brief.
  - e. If yes, why new experiment is required?
  - f. Have similar experiments been made by any other organization/ agency? If so, their results in your knowledge may be mentioned.
10. Description of procedures to be used.

(List and give description of all invasive and potentially stressful non-invasive procedures that animals will be subjected to in the course of the experiment, indication of the frequency for all procedures where appropriate. The following

specific issues are also to be addressed when relevant injections (substances, doses, sites and volumes), blood withdrawal (volumes and sites), radiation (dosage and schedules), all anesthetics and/ or analgesics (dosage and routes), mechanical methods of restraint, animal identification methods, methods of non-survival surgical procedures and experimental endpoint criteria (required when pathological changes are expected to be caused).

11. Does the protocol prohibit use of anesthetic or analgesic for the conduct of painful procedures (any which cause more pain than that associated with routine injection or blood withdrawal)?

If yes, explanation and justification.

12. Will survival surgery be done?

If yes, the following are to be described:

- a. List and description of all such surgical procedures (including methods of asepsis).
- b. Names, qualification and experience levels of operators.
- c. Description of post-operative care.
- d. Justification if major survival surgery is to be performed more than once in single individual animal.

13. Methods of disposal, post-experimentation:

Rehabilitation/ euthanasia (in case of euthanasia, justification for not undertaking rehabilitation and drug dosage and route for anesthesia, where appropriate, as well as carcass disposal).

14. Animal transportation methods if extra-institutional transport is envisaged.

15. Use of hazardous agents (use of recombinant DNA-based agents or potential human pathogens requires documented approval of the Institutional Biosafety Committee (IBC). For each category, the agents and the biosafety level required, appropriate therapeutic measures and the mode of disposal of contaminated food, animal wastes and carcasses must be identified).

- a. Radionucleotides
- b. Biological agents
- c. Hazardous chemicals or drugs
- d. Recombinant DNA
- e. Any other (give name)

Copy of IBC approval to be attached if hazardous agents are to be used.

Investigators' declaration:

1. I certify that I have determined that the research proposal herein is not unnecessary duplication of previously reported research.
2. I certify that all individuals working on this proposal, and experimenting on the animals, have been trained in animal handling procedures.
3. For procedures listed under item 11, I certify that I have reviewed the pertinent scientific literature and have found no valid alternative to any procedure described herein which may cause less pain or distress.
4. I will obtain approval from the IAEC/ CPCSEA before initiating any significant changes in this study.
5. Certified that performance of experiment will be initiated only upon review and approval of scientific intent by appropriate expert body (Institutional Scientific Advisory Committee/ funding agency/ other body (to be named)).
6. Institutional Biosafety Committee (IBC) certification of review and concurrence will be taken (required for studies utilizing DNA agents of human pathogens).
7. I shall maintain all the records as per format (form D).

Date:

Signature  
Name of Investigator