

Williams College  
Institutional Animal Care and Use Committee  
Request for approval of animal use protocol

1. Principal Investigator:

2. A. Project Title:

B. Is this a new protocol or a renewal of a previously approved protocol?

New

Renew (if this box is checked, please complete question #14)

3. Check all that apply:

Faculty research

Student research

Teaching

4. Anticipated start date:

Anticipated end date:

5. Indicate appropriate level of activity \*

Category I

a. Activities that are expected to cause only negligible pain and suffering; and/or

b. Activities carried out on animals that will be sacrificed while under anesthesia

Category II

a. Activities involving painful stimulation of anesthetized animals which cause no more than slight, short-lasting pain or suffering; and/or

b. Operations or procedures carried out under sedation or anesthesia (general or local) in which the animal will recover and not require further pain relief.

Category III

a. Activities involving more than minimal pain or suffering to subjects; and/or

b. Operations carried out under anesthesia or some other pain killer in which the animal will recover and require post-operative pain relief; and/or

c. Activities involving dogs, cats, or non-human primate subjects, regardless of the nature of the activity.

\* The Animal Welfare Act requires consultation with the attending veterinarian during planning of all studies that may cause more than momentary pain or distress (e.g., all surgical and anesthetic procedures).

6. Animal species and strain to be used:

Source from which animals will be obtained:

Number of animals per year:

Average housing days per animal:

Will you maintain a breeding colony?:

Are wildlife permits needed for collecting your animals?: YES NO

**Vertebrate animals may not be ordered or otherwise obtained without IACUC approval.**

7. Explain the choice of animal species/strain and justify the numbers to be used. If you have multiple dosing groups in your study, please provide information regarding:

- a. numbers of species/strain per group
- b. justification for the numbers of animals in each group

8. What is the endpoint of each component of the study and what is the means used to sacrifice animals?

9. List the names of all individuals participating in the proposed procedures, indicating their specific responsibilities. Describe the training and qualifications of individuals using animals. Principal investigators should include a current C.V.

10. Protocols. Please provide detailed information so that the reader can get a clear picture of how and the extent to which animals are used in your project. You may wish to attach tables or flow charts (as separate documents) especially if there are multiple parts to a study.

a. How will animals be treated during potentially stressful events like capture, collection of blood, measurement of physical traits and surgery (you can include a summary here, and attach a detailed methods description, if appropriate)?

b. For each pharmacologic, anesthetic and/or analgesic agents please provide:

- 1) dosage
- 2) number of dosages
- 3) route of administration
- 4) basis for your choice of the compound

c. For protocols involving surgical procedures (category II or III above), please specify administration of post-operative analgesic.

d. use of immunological adjuvants, hazardous materials or controlled substances

e. procedure for euthanizing animals, including the rationale and justification for this procedure.

11. The Animal Welfare Act requires the principal investigator to give written assurance that the proposed research does not unnecessarily duplicate previous experiments, and that he/she has searched for alternatives to procedures causing more than momentary pain or distress to animals.

a. Does the proposed research/procedure duplicate any previous work?  YES  NO

If yes, provide justification for the need to duplicate previous work

b. Can mathematical models, *in vitro* systems or other methods be used to reduce the number or eliminate the use of animals?  YES  NO

If no, provide a rationale.

c. Please provide the following information regarding literature searches:

Key words used

Databases searched

How often searches are conducted

When the last search was conducted

12. Non-technical Summary - A brief non-technical summary that provides your goals and how you will attempt to reach them is required for conformance with PHS policy. This should be written to assure comprehension by non-scientists, and should include: 1) objectives of the research or teaching activity; 2) procedures and methods used; and 3) benefits, outcomes and results expected. Please use the space below or attach a separate sheet (not to exceed one page).

13. Please attach the methods section of your grant, relevant research papers, or applicable sections of your laboratory manual.

14. (Answer this question only if this is a renewal of a previously approved protocol)  
In a few sentences, please report on the progress that has been made over the previous 3 years (findings, publications, abstracts, etc.)

Signed \_\_\_\_\_

Date: