



Institutional Animal Care and Use Committee
ANIMAL PROTOCOL APPLICATION (Rev. 1/1/2014)

1. Title of Project:
2. Project Director:
3. Name of Faculty Sponsor for a student project:
4. Names of any other students, faculty members, or staff who will be responsible for animal care and use:
5. External funding source, if applicable (provide agency and grant award number):
6. Identify the species/strain and the approximate number of animals to be used. Note whether genetically-modified animals will be used. Justify the number of animals to be used, including statistical justification as appropriate, and provide a description of the experimental structure (e.g. pilot study, within-group design, between-groups design, longitudinal study, etc.).
7. Identify the vendor or source from which you will procure your animals. If animals are to be removed from the wild, indicate their final disposition.
8. Describe the proposed use of the animals. If animals will be bred, provide details on breeding colony development, sustainment, and management to minimize numbers. If surgical procedures are required, provide details of: your training in the procedure; pre-surgical procedures; aseptic techniques and surgical facilities; details on anesthetic and analgesic doses and delivery; procedures for monitoring surgical anesthesia and analgesia; post-operative care; and on-going assessment of surgical outcomes.
9. Give a rationale for using animals. For research projects indicate how the planned activities do not unnecessarily duplicate previous work. For laboratory course exercises or demonstrations, justify the use of live animals instead of models or visuals.
10. If restraint devices are to be utilized, provide a description of the device and its use, justification for the use of restraint, duration of restraint, positive reinforcement methods used to adapt animals to the restraint device, details on how animals will be monitored while restrained, and provisions for removal of animals from the study that fail to adapt to restraint.
11. Describe the procedures designed to assure that discomfort and pain to animals will be limited to that which is unavoidable for the conduct of scientifically valuable research, indicating provision for the use of analgesic, anesthetic, and tranquilizing drugs and dosages where indicated and appropriate to minimize discomfort and pain to animals.
12. Describe the method(s) of euthanasia and procedures for confirmation of death. If the euthanasia method(s) do not comply with the AVMA Guidelines for the Euthanasia of Animals (2013 edition; <https://www.avma.org/KB/Policies/Documents/euthanasia.pdf>) provide details and a rationale. Describe humane endpoints for the study, if applicable (i.e. points at which pain or distress in an experimental animal is prevented, terminated, or relieved). If humane endpoints have not been established (i.e. pilot study) the investigator must submit a modified protocol to the IACUC as the humane endpoints are identified.
13. Pharmaceutical grade (veterinary or human) chemicals must be used for animal procedures when available. Identify all chemical and doses to be administered and justify the use of any non-pharmaceutical grade chemicals.

14. Care and maintenance: Describe how the animals will be housed and cared for. Please include how often food, water, and cages/tanks will be changed or cleaned and note who will be responsible for care and maintenance. If food and water restrictions are part of your protocol, provide details on monitoring of animals to ensure that nutritional needs are met and that body weights are recorded at least weekly. Note the procedure for seeking veterinary care, if necessary. If genetically-modified animals will be used, describe procedures for enhanced monitoring and reporting of unexpected outcomes to the IACUC.

IMPORTANT NOTES REGARDING CARE AND MAINTENANCE:

1. All animals must be checked daily for food and water availability and signs of disease or distress. 2. A protocol for the care and maintenance of the animals must be typed up and kept in a binder the housing room. 3. A daily log must be posted on the door of the room to record the date/time and initials of the person checking the animals. 4. Daily temperature and humidity readings for the housing room must also be recorded on these log sheets.

15. Verify here that all students working on this project have a) read the full protocol, and b) completed the required Collaborative Institutional Training Initiative (CITI; <https://www.citiprogram.org/>) Animal Care and Use course modules, plus those appropriate to the species to be used, as assigned (please see the IACUC training information page: https://www.geneseo.edu/sponsored_research/animal-care-and-use-training-and-other-resources)

16. What procedure is to be used for disposal of carcasses?

17. Additional information or special requests:

18. Emergency Contact Information. Provide the name(s), phone numbers(s) and email address(es) of individuals that should be contacted in the event of an emergency. For a student proposal, please make sure that contact information for the faculty sponsor is also provided. Emergency contact information must also be posted in the housing room.

The project director and faculty sponsor, if applicable, agree to: comply with the Guide for the Care and Use of Laboratory Animals, 8th Edition; and provide an updated protocol to the IACUC if significant changes are made to this protocol; and ensure that students will not conduct research involving animals until they have received appropriate training.

(Signature of Project Director)

(Date)

(Signature of Faculty Sponsor)

(Date)

Please insert text as necessary and submit the completed form to the Office of Sponsored Research, Erwin 202