

FLORIDA INSTITUTE OF TECHNOLOGY
ANIMAL USE APPROVAL FORM

Revised 4/94

DATE

FOR COMMITTEE USE ONLY

Approval No

Date Received

Date Approved

Reviewers

.....

.....

Attending veterinarian

.....

Name of PI or responsible faculty:

Phone Number: (.....)

Department:

Building:

Research Technician or Graduate Student:

Phone Number: (.....)

Title of Project: (If class, put class name and number)

.....

.....

Source of funding:

Total yearly amount requested: \$

Yearly amount requested for animal care: \$

Proposed animal use start date: mo. day year

Estimated project end date: mo. year

ANIMALS COVERED: Any and all live vertebrate animals used by employees, faculty and students of the University. Tissues from commercial slaughterhouses are exempt, but tissues from non-commercial units need approval.

FORMS TO BE COMPLETED: The Animal Use Approval Form needs to be submitted by faculty planning to use animals. If survival surgery is planned, the Animal Surgery Information Form needs to be completed.

REVIEW PROCESS: The Animal Use Approval Form when submitted to the Institutional Animal Care and Use Committee will be reviewed within 5-10 days.

ANIMAL REVIEWS: Even though you may be approved for a multiple year project, you will be sent a reminder annually for updated information. Approvals will be extended for another year.

CHANGES IN PROTOCOL: The IACUC must be notified of any proposed significant changes in the research protocol.

TRAINING PROGRAM: Within 30 days of the beginning of the project, the training program must be completed by the Principal Investigator and all other personnel involved with the project.

ANIMAL USE CLASSIFICATION

- TYPE A** STUDIES ON INVERTEBRATES, UNDISTURBED WILDLIFE, SIMPLE ORGANISMS OR ON NON-LIVING MATERIAL. These include: tissue culture, tissue obtained at autopsy, necropsy or from slaughterhouses; eggs, protozoa and single celled organisms. Observational studies on live wildlife that do not disturb their environment are also included.
- B** STUDIES ON LIVE VERTEBRATE ANIMALS CAUSING LITTLE OR NO PAIN OR DISTRESS. These include: housing or restraining animals for observation or examination; blood sampling; injection of non-toxic material; standard approved methods of euthanasia that induce rapid unconsciousness; short periods (few hours) of food and water deprivation and single group behavioral observations. Studies on anesthetized animals that do not regain consciousness are also included.
- C** STUDIES INVOLVING SOME PAIN OR DISTRESS (usually minor) OF SHORT DURATION. These include: cannulation of vessels or body cavities performed under anesthesia; minor surgical procedures under anesthesia such as biopsies, laparoscopy and others where post-surgical pain/distress is absent or minimal; overnight food or water deprivation; behavioral studies on awake animals that involve short-term restraint. Major surgical procedures, under anesthesia, permitting recovery, that result in minor post-operative pain; such procedures must have documented veterinary assistance. Also included are studies using noxious stimuli from which escape is possible; using tumor implants/hybridomas; Freund's complete adjuvant injected intramuscularly; domestic animal production methods; and routine veterinary procedures, i.e. tail docking, neutering, dehorning, debeaking, etc.

Comment: During and after Type C studies animals are not expected to show anorexia, dehydration, abnormal discharges, hyperactivity, increased recumbancy or dormancy, increased vocalization, self-mutilation, aggressive-defensive behavior or demonstrate social withdrawal and self-isolation.

- D STUDIES USING ANIMALS THAT INVOLVE MODERATE TO SEVERE PAIN/STRESS OR THE POTENTIAL FOR MODERATE TO SEVERE PAIN/STRESS (involvement of trained technicians, scientists, and veterinarians is critical if this pain is to be minimized or avoided). These include major surgical procedures under anesthesia, permitting recovery, with adherence to acceptable veterinary practices, i.e. post-op analgesia, fluid therapy and required veterinary nursing care; prolonged periods (several hours or more) of physical restraint or deprivation of the animals' environmental necessities, such as maternal deprivation, aggression, predatory-prey interactions, procedures which alter perceptual or motor functions. Also included are studies where diseases or toxicities are induced, and when clinical symptoms begin to appear the animals are treated or euthanized.

Comment: Animals used in Type D studies should not show signs of prolonged clinical distress, such as behavioral abnormalities, lack of grooming, dehydration, abnormal vocalization, prolonged anorexia, self-mutilation, increased signs of infectious processes (peritonitis, pneumonia, diarrhea, encephalitis, etc). If these clinical abnormalities develop and cannot be alleviated, the animal must be euthanized with minimal delay.

- E PROJECTS THAT INVOLVE SIGNIFICANT STRESS OR PAIN WITHOUT THE BENEFIT OF PAIN-RELIEVING DRUGS OR APPROPRIATE THERAPY. Such studies include: application of noxious stimuli from escape is impossible; exposure to noxious stimuli or agents whose effect are unknown; footpad or intradermal or intraperitoneal injections of Freund's complete adjuvant; completely new experiments which have a high degree of invasiveness (with no veterinary involvement); the use of muscle relaxants in surgery without concurrent use of anesthetics; induction of aggressive behavior leading to self-mutilation or fighting. Other examples to be included are toxicity testing where death is the end-point; induction of diseases where infected animals are permitted to succumb rather than be treated therapeutically; using a euthanasia method not approved by the AVMA or our committee.

Comment: Type E projects present an explicit responsibility on the faculty to explore alternative methods before proceeding with the study. Type E projects are considered by some to be highly questionable or unacceptable, irrespective of the significance of the anticipated results. Before our committee can review and approve these projects, the justification statements and the veterinary involvement must be clearly presentable and understandable.

FLORIDA INSTITUTE OF TECHNOLOGY

Please note, the following pages are to be used for ONE SPECIES ONLY. If more than one animal species is proposed for use in this project, copy the following pages. Use one set for each species proposed:

1. Animal Use Classification (see page 2)

Breed, Species, Strain, or Stock	(check one type)				# Animals used in 12 months
	Type A-B	Type C	Type D	Type E	

2. How are these animals to be procured?

3. Does this project involve any of the following?

- Radioisotopes:
- Chemical carcinogens:
- Human, plant or animal pathogens:
- Acute toxins:
- Recombinant DNA/RNA:

4. If any are checked, is this research registered with the safety office?
yes no

5. Will survival surgery be performed on these animals? yes no

6. Euthanasia:

- Inhalant gas (name agent)
- Injectable solution (name agent)
- Cervical dislocation
- Other (please describe)

7. If animals are not euthanized, indicate their disposition:

- Back to colonies or herds Available for adoption or resale
- Returned to the wild Transfer to other projects/faculty
- Other (please describe)

8. Name and phone number of veterinarian providing 24 hour care for your animals should they need it:

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9. If this project is Type D or E (see page 2), has the person listed in #8 been appraised of the project?.....yes no

10. How long will the animals be in the experiment/class?.....

11. Check the procedures that apply to this project:

.....Blood sampling (check one) venousarterialperiorbital
.....Injection (check one)IMIPIVSQID
.....Catherization (check one)urinaryvascular

If sedatives are needed or anesthesia is planned, list drugs to be used:
(List drug, dosage, route of administration)

If your procedure/technique is not listed, please describe in detail.

12. Where housed prior to protocol:.....

Housing during experimental period:.....

Animals in non-animal room for more than 12 hours?.....yes..... no

If yes, location:.....

Type cage or other animals housing:.....

Number of animals in protocol:.....

13. Are animals transported between campus buildings?.....yes.....no

If yes, describe buildings, route, time of day and transport unit and who will transport the animals:

If the animals are transported off the FIT campus, describe the method of transportation.

14. Who will provide daily care for these animals (feeding, watering, cage changing and cleaning)?.....

What are the provisions for weekend care and for emergencies?
.....

15. What are the qualifications and training of the Principal Investigator, research technician(s), and animal care technician(s) to perform the experimental techniques called for in this protocol and to provide general husbandry for these animals?

16. Using non-technical terms, describe the significance, rationale and procedures of this project as they relate to animals by answering the following questions. If additional space is needed, please attach separate sheets. Do not submit copies of your proposal in lieu of these questions. (Use a continuation page, if necessary.) Please cite references.

Why are you using animals?

Are these experiments justified?

Briefly describe any potential contributions of this research to the broad disciplines of human or animal well being. In your opinion, will these animals show any sign of pain or stress?

If yes, please justify and define the duration.

Briefly describe the different groups you are planning and the size of each group.

17. For programs that require more than momentary pain or distress or involve surgical recovery procedures, USDA regulations [2,31(d)i(ii)] require that this approval form include a written description of methods and sources used to determine that alternatives to animal use were not available (i.e., database search with search word list or other documents that show alternatives to animal use are not available). Use a continuation page if necessary.

ASSURANCE STATEMENT

The information contained herein is accurate to the best of my knowledge. Appropriate space and funding have been arranged. All personnel listed recognize their responsibilities in complying with university policies governing the care and use of animals. The use of alternatives to animal research has been considered and found to be unacceptable at this time. *

Signature*

Date

*If a person submitting this form is a student or technician, the responsible faculty member's signature is also required.

The IACUC must be notified of any proposed significant changes in the research protocol.

CHECK THE FOLLOWING PROCEDURES THAT APPLY TO YOUR ANIMALS:

-returned to pen/cage after fully conscious
-body temperature recorded
-observed continuously until fully conscious
-surgical record kept
-kept on warm blanket until fully conscious
-veterinarian available (list name and emergency phone number)
-food and water withheld until fully conscious
-veterinary technician available (list name and emergency phone number)
-notation made when animal eats/drinks voluntarily
-sutures removed at (when).....by
-dressings changed (frequency).....
-other (describe).....

Antibiotics

Dosage

Route of administration

Will animals be subjected to more than one (1) surgery?yesno

Describe arrangements for after-hours, weekend and holiday provision of the post-op care of your animals. (List names, phone numbers, times to be checked, etc.)

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Faculty Signature and phone number

Surgeon (if not faculty) and phone number

Date

Date