

Jacksonville State University

Institutional Animal Care and Use Committee

Protocol Proposal Form

Institutional Animal Care and Use Committee (IACUC) proposals will be reviewed within 8 weeks of receipt. Following IACUC review, a representative will contact the Principal Investigator with the IACUC's decision to *approve*, *require modifications* to gain approval, or *withhold approval* for the proposal. Please direct any questions to animalresearch@jsu.edu.

1. Proposal Identification

Date Submitted:
 Project title:
 Funding Source:

For administrative use, please leave blank
Protocol #:
Approval Date:
Expiration Date:

2. Personnel Information

Principal Investigator:
 Department:
 Email:
 Phone:
 Additional Personnel (add rows as needed):

Name	Role(s)	Email	Department

3. Animal Requirements

Genus:
 Species/Strain:
 Common Name:
 Age/Weight:
 Sex:
 Source:
 Primary Housing Location:
 Primary Experimentation Location:
 Cage Type (please also indicate social housing conditions):
 Specify viral/pathogenic status other than "pathogen free" (use N/A to indicate pathogen free):
 Number of animals requested for use:

Year 1	Year 2	Year 3	Total

Transportation (between rooms/facilities in accordance with USDA regulations; *box will expand with text entry*):

4. Rationale for Animal Use

Please provide (a) a justification for using live animals, (b) a description of why this species is most appropriate for use, and (c) a justification for the number of animals requested. *(box will expand with text entry)*

5. Study Objectives

In layperson's terms, briefly explain (a) the aim of the study, (b) why the study is important to human or animal health, the advancement of knowledge, or the good of society, and (c) whether the study unnecessarily duplicates other studies. *(box will expand with text entry)*

6. Description of Experimental Design and Animal Procedures

Briefly explain the experimental design and describe all animal procedures. This description should be specific enough to allow the IACUC to understand the experimental course an animal experiences from its entry in the study to the endpoint.

- When applicable, also include information regarding animal identification, restraint, injections/withdrawals, food/fluid restriction, surgery (i.e., anesthesia, analgesia, and post-surgical care), and endpoint criteria. *(box will expand with text entry):*

7. Pain and Distress Classification and Consideration of Alternatives

Species (Common Name)	USDA Pain Classification* B, C, D**, or E**	# Animals Year 1	# Animals Year 2	# Animals Year 3	Total

*See Appendix 1 for a description of categories and examples

**For any procedures involving USDA's Classification D or E, provide a justification for these methods and describe your consideration of alternatives in the space below. List the methods and the sources that justify their use (i.e., citation, databases searched, date of search, period covered, and the keywords used). Alternatives may include methods that (a) refine existing tests by minimizing animal distress, (b) reduce the number of animals necessary, or (c) replace whole-animal use with *in vitro* or other tests.

Justification for Classification D or E and Consideration of Alternatives:

8. Method of Euthanasia or Disposition at the End of the Study

Indicate the methods for (a) euthanasia/disposition and (b) carcass disposal.

- If a chemical agent is used, specify the dosage range and route of administration.
- If the method of euthanasia is not consistent with the AVMA Guidelines for the Euthanasia of Animals, provide scientific justification as to why such method must be used. *(box will expand with text entry)*

9. Hazardous Agents/Biological Materials/Genetically Engineered Animals

Describe any (a) hazardous agents, (b) biological materials, or (c) genetically engineered animals to be used in the proposed study. Include information regarding supplier, animal biosafety level, and proper handling/disposal of any of these components. *(box will expand with text entry)*

10. Special Concerns or Requirements

List any special housing, equipment, or animal care and describe any departures from the *Guide* [e.g., special caging, water, feed, waste disposal, environmental enrichment]. *(box will expand with text entry)*

11. Principal Investigator Certifications

1. I certify that I and the personnel listed in Section 1 have completed institutionally required investigator certification courses, are adequately trained to perform the procedures and care for which we are responsible, and are aware of the procedures for reporting animal welfare concerns. For a current list of required training visit <https://www.jsu.edu/sp/iacuc/index.html>.
2. I certify that I have determined that the research proposed herein is not unnecessarily duplicative of previously reported research.
5. For any USDA Classification D and E proposals (see section 7): I certify that I have reviewed the pertinent scientific literature and the sources and/or databases as noted in Section 7 and have found no valid alternative to these procedures.
6. I certify that I will obtain approval from the IACUC before initiating any significant changes in this study.
7. I certify that I will notify the IACUC regarding any unexpected study results that impact the animals, and will report any unanticipated pain, distress, morbidity, or mortality to the attending veterinarian and the IACUC.
8. I certify that I am familiar with and will comply with all pertinent institutional, state, and federal rules and policies.

Principal Investigator

Name:

Signature:

Date:

IACUC Action:

Full Committee Review (FCR) Designated Member Review (DMR) Approved Require Modifications Withhold Approval Recommend FCR (DMR only)

IACUC Chair or Representative

Date

Appendix 1 - USDA Classifications and Examples

Classification B: Animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery, but not yet used for such purposes.

Examples:

- Breeding colonies of any animal species (USDA does not require listing of rats, mice, birds) that are handled in accordance with IACUC approval, the *Guide* and other applicable regulations. Breeding colony includes parents and offspring.
- Newly acquired animals that are handled in accordance with IACUC approval and applicable regulations.
- Animals held under proper captive conditions or wild animals that are being observed.

Classification C: Animals upon which teaching, research, experiments, or tests will be conducted involving no pain, distress, or use of pain-relieving drugs.

Examples:

- Procedures performed correctly by trained personnel such as the administration of electrolytes/fluids, administration of oral medication, blood collection from a common peripheral vein per standard veterinary practice [dog cephalic, cat jugular] or catheterization of same, standard radiography, parenteral injections of non-irritating substances.
- Manual restraint that is no longer than would be required for a simple exam, short period of chair restraint for an adapted nonhuman primate.

Classification D: Animals upon which experiments, teaching, research, surgery, or tests will be conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs will be used.

Examples:

- Surgical procedures conducted by trained personnel in accordance with standard veterinary practice such as biopsies, gonadectomy, exposure of blood vessels, chronic catheter implantation, and laparotomy or laparoscopy.
- Blood collection by more invasive routes such as intracardiac or periorbital collection from species without a true orbital sinus [*e.g., guinea pigs*].
- Administration of drugs, chemicals, toxins, or organisms that would be expected to produce pain or distress but which will be alleviated by analgesics, anesthetics, tranquilizers, or supportive care.

Classification E: Animals upon which teaching, experiments, research, surgery, or tests will be conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs will adversely affect the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests.

Examples:

- Procedures producing pain or distress unrelieved by analgesics such as toxicity studies, microbial virulence testing, radiation sickness, and research on stress, shock, or pain.
- Surgical and postsurgical sequella from invasion of body cavities, orthopedic procedures, dentistry or other hard or soft tissue damage that produces unrelieved pain or distress.
- Negative conditioning via electric shocks that would cause pain in humans.
- Chaining of nonhuman primates not conditioned to the procedure for the time used.

NOTE REGARDING CLASSIFICATIONS D & E: An explanation of the procedures producing pain or distress in these animals and the justification for not using appropriate anesthetic, analgesic or tranquilizing drugs must be provided in **Section 7**. This information is required to be reported to the USDA, will be available from USDA under the Freedom of Information Act (FOIA), and may be publicly available through the Internet via USDA's website.