Institutional Animal Care and Use Committee (IACUC)

Project Protocols

All University of Detroit Mercy (UDM) faculty, staff, and students who use live vertebrate animals in teaching, study, or research, must have the written approval of the University's Institutional Animal Care and Use Committee (IACUC) prior to their acquiring these animals. This applies also to other individuals who plan to house these animals anywhere on the campuses of the University. Strict regulations regarding the care and use of animals is mandated by the federal government; it is the duty of the IACUC to see that all projects which involve the care and use of animals are in compliance with these regulations.

The seven pages which follow constitute the Protocol that the Committee uses in its review of the planned-for project. It should be filled out completely and in sufficient detail so that the Committee can review it and approve it without having to return it to the author for continual revisions.

If the proposed project involves surgery and/or the use of hazardous materials and/or activities which might subject the animals to more than ordinary distress, than one or more of the Protocol Supplements must also be completed and submitted as an integral part of the basic Protocol. Request a copy of the appropriate Supplements(s) from the Committee Chair if your project involves any of these areas of concern.

Note that even if live animals are to be brought to campus simply to be sacrificed without being housed or used for any other purpose, this Protocol **MUST STILL BE USED.**

Submit one completed copy of the Protocol (with Supplements, if appropriate) to the IACUC Chair. The Chair will duplicate the material and present it to the Committee members prior to the meeting at which the Protocol will be discussed and voted on for approval.

Note that the animals may NOT be brought on any of the University campuses before IACUC approval has been obtained. That is, animals may not be brought on campus to be held while awaiting the approval of the Protocol procedures.

Those preparing the Protocol are urged to contact the IACUC Chair as often as necessary in order to assure that the forms are completed in a manner that will hopefully result in a prompt Committee approval.

Animal Care and Use Application

Name of Principal Investigator:

Title/Department:

Campus Mailing Address:

Campus Phone: Other Phone:

Title of Project:

Length of Project (Month/Year) From: To:

Funding Source:

Type of Application: New ☐ Renewal ☐

If Renewal, give month/year of 1st approval:

Type of Project: Research ☐ Instruction ☐

If Instruction, for which course?

Co-Investigators:

Name:

Department:

Responsibility:

Name:

Department:

Responsibility:

(If more than 2 co-investigators, please add an additional page)

Animal Use Summary

In language understandable to a layperson, summarize your primary aims in using live animals. Describe the proposed use of animals as concisely as possible. Bear in mind that the IACUC is primarily interested in the necessary, responsible, humane use of animals. Include a description of procedures designed to assure that discomfort and pain to the animals will be minimized or eliminated. Limit to one additional page if more space is needed.

Rationale

Discuss the rationale for involving animals, the appropriateness of the species selected, and the numbers of animals to be used. State the maximum number of animals to be housed at any one time.

Animal Procedures

Common Name of Animal	Total Number of Animals	Discomfort/Distress /Pain Level*	Will Appropriate Pain-Relieving Drugs Be Used? (Yes/No/NA)	Will Animals Survive the Surgery? (Yes/No/NA)

*Use appropriate number to indicate maximum pain level/discomfort/distress to be expected by animal(s):

1. Negligible
2. Pain avoided by appropriate use of drugs
3. Short-term discomfort/distress/pain
4. Long-term discomfort/distress/pain
   NOTE: An explanation MUST be attached to protocol for a pain level of 4.

If pain is involved, what criteria will be used to assess the level of pain or discomfort?

☐	Loss of appetite	☐	Licking, biting, scratching, or shaking a particular area
☐	Loss of weight	☐	Abnormal resting postures in which the animal appears to be sleeping or is hunched up
☐	Restlessness	☐	Guarding (protecting) the painful area
☐	Loss of mobility	☐	Failure to show normal patterns of inquisitiveness
☐	Vocalizing	☐	Other
☐	Failure to groom, causing an unkempt appearance		

If other is checked above, please explain:

What drugs are to be used to minimize or relieve pain and/or discomfort?

Species #1:

Drug	Dose (Mg/Kg Body Wgt)	Route	Frequency

Species #2:

Drug	Dose (Mg/Kg Body Wgt)	Route	Frequency

Species #3:

Drug	Dose (Mg/Kg Body Wgt)	Route	Frequency

Will Drug Enforcement Agency (DEA) controlled substances be used?

Yes ◯ No ◯

If Yes, list substances:

State specific location where animal research/teaching will be conducted:

Will animals be held in study area outside of animal facility for more than 12 hours?

Yes ◯ No ◯

Euthanasia. Techniques for euthanasia shall follow current guidelines established by the 1986 Report of the AVMA Panel on Euthanasia. Other methods must be specifically reviewed and approved by the IACUC.

Species #1

Method Used	Dose (Mg/Kg Body Wgt.)	Route

Species #2

Method Used	Dose (Mg/Kg Body Wgt.)	Route

Species #3

Method Used	Dose (Mg/Kg Body Wgt.)	Route

List the names of investigators, technicians, and others who will be handling animals at the time the research/teaching begins. This list will be updated annually.

1.

2.

3.

4.

5.

Federal Laws

Recent federal laws require a written statement for A and B, below. Provide written statements as Appendices A and B of this protocol.

A. "The principal investigator has considered alternatives to procedures that may cause more than momentary or slight distress to the animals, and has provided a written narrative description of the methods and sources (e.g. Alternatives to Animal Use in Research, Testing and Education, Office of Technological Assessment) used to determine that alternatives were not available."

B. "The principal investigator has provided written assurance that the activities do not unnecessarily duplicate previous experiments."

Special

If your research involves any of the following, check the appropriate box(es). If 'Other,' explain briefly.

Blood and/or other tissue collection ☐

Antibody production and collection ☐

Behavioral studies ☐

Nutritional studies ☐

Field studies ☐

Classroom instruction ☐

Use of immobilizing agents or muscle relaxants without appropriate anesthesia ☐

*Surgery ☐

*Potentially hazardous materials ☐

*Prolonged physical restraint or stress ☐

Other: ☐

*If one or more of the asterisked options is checked, obtain from the chairman of the IACUC additional pages which must be included as an integral part of this protocol at the time it is submitted to the IACUC.

Assurances

A. Each person working with animals in this protocol has been ☐ or will be ☐ provided with an Occupational Health Education and Prevention packet. (Check one)

B. (If applicable) As Principal Investigator, I have attached to this application a copy of the portion of the Methods and Procedures section of my proposed research project which describes the use of animals.

C. The information included in this IACUC application is accurate to the best of my knowledge. All personnel listed recognize their responsibility in complying with all University of Detroit Mercy policies governing the care and use of animals.

I declare that all experiments involving live animals will be performed under my supervision or that of other qualified scientists. Technicians involved have been trained in proper procedures in the handling, and in the administration of anesthetics, analgesics, and euthanasia to be used in this project.

If this project is funded by an extramural source, I certify that this application accurately reflects all procedures involving laboratory animal subjects described in the proposal to the funding agency noted above.

Any proposed revisions to, or variations from, the animal care and use data submitted as part of this application will be promptly forwarded to the IACUC for approval.

_____ _____

Signature of Principal Investigator Date

_____

Name of Principal Investigator Typed or Printed

Note: For all species, except for members of the genera Rattus and Mus, IACUC approval is effective for one year at which time a continuation review will be conducted. For projects involving Rattus or Mus, IACUC approval is effective for a three-year period.