

## ANIMAL USE AMENDMENT FORM

In accordance with applicable provisions of the Federal statutes and regulations, all proposed significant changes to approved animal use protocols must be reviewed and approved by the Institutional Animal Care and Use Committee (IACUC) prior to initiating the changes. Provide one electronic copy and one signed hardcopy of the completed form to the IACUC Administrator (Audrey Brown, 117 Brooks Hall & brown1a@cmich.edu).

**Date:**

**Project Director:**

**Protocol Title:**

**Protocol Number:**

**Requested Changes** - Check all that apply and provide detailed information by matching the box(es) checked here with the corresponding number(s) on the following pages:

- |   |   |
|---|---|
| <input type="checkbox"/> 1. Increase in Animal Numbers  | <input type="checkbox"/> 6. Addition of Noninvasive Sampling              |
| <input type="checkbox"/> 2. Addition of New Stock/Strain of Same Species                              | <input type="checkbox"/> 7. Need to Repeat an Experiment                  |
| <input type="checkbox"/> 3. Addition/Change in Gender of Animal Used                                  | <input type="checkbox"/> 8. Change In Early Removal Criteria <sup>¶</sup> |
| <input type="checkbox"/> 4. Change in Pharmaceuticals <sup>§</sup><br>(Anesthetics, Analgesics, etc.) | <input type="checkbox"/> 9. Change in Personnel <sup>†</sup>              |
| <input type="checkbox"/> 5. Addition/ Change of Minor Surgery <sup>*</sup>                            | <input type="checkbox"/> 10. Change in Method of Euthanasia               |
|   | <input type="checkbox"/> 11. Other <sup>‡</sup>                           |

<sup>§</sup> New drug/compound; route of administration; change in dosage

<sup>\*</sup> **Minor surgery:** Any invasive operative procedure in which only skin, mucous membrane and/or connective tissue is resected, examples of minor surgery include:

- Vascular cutdown approach to an artery or vein
- Tissue biopsy not involving surgical exposure of a body cavity
- Skin or subcutaneous implants
- Surgical repair of a superficial injury

-Procedures more involved than the examples given above will require the PI/PD to submit a new animal use application to the IACUC for approval

-Additional questions regarding the distinction between major and minor surgical procedures should be directed to the university's consulting veterinarian

**¶ Required in the event of unexpected adverse consequences.**

**Examples:** Self-mutilation, guarding, vocalization (with or without stimuli-associated with pain), hunched posture, inactivity, lethargy, rough hair coat (lack of grooming), lack of righting reflex, no response to mild stimuli, increased heart and/or respiratory rate, weight loss, lesions (swelling, redness, abnormal discharges), etc. Include disposition of removed animals.

<sup>†</sup> **Report:** Change in PI/PD, graduate students, & animal care personnel  
IACUC-approved projects involving undergraduate student participation that are conducted on a semester-by-semester basis are required only to provide documentation that all students have been instructed in the appropriate handling and restraint techniques for the species being utilized

<sup>‡</sup> **Other:** Food/water restriction, change in photoperiod/lighting, animal transfer/adoption

**1. Additional Number Of Animals Of The Same Stock/Strain:**

- a. Indicate the total number of additional animals requested.
- b. Indicate number of animals requested in original application.
- c. Indicate species and stock/strain.
- d. Provide reason for the request and justification of the number of animals requested.

**2. Addition Of New Stock/Strain Of Same Species:**

- a. Provide basis for the planned addition.
- b. Will any of the animals being added to this study be genetically altered?  Yes  No
- c. Provide name of species or designation to be added.
- d. Indicate if the genetic alteration is expected to have any impact on animal health and/or requirements for animal care (include animals with spontaneous or induced mutations, knock-outs, knock-ins, and transgenics).

**3. Addition/Change in Gender of Animal Being Used:**

Provide explanation.

**4. Change in Pharmaceuticals<sup>§</sup>:**

- a. Agent
- b. Dosage Amount
- c. Route of Administration
- d. Frequency of Administration
- e. Duration of Administration
- f. Identify effects of these agent(s) and any potential impact on animal health, if known.
- g. Describe the frequency and method(s) of monitoring animals for potential untoward effects.
- h. What action(s) will be taken if untoward effects are observed?
- i. If the proposed change involves anesthetics, provide the method(s) to be used for monitoring depth of anesthesia (e.g. lack of response to toe/tail pinch, muscular relaxation, respiratory rate/depth, heart rate, mucous membrane color, other).

**5. Addition of/Change in Minor Surgery\*:**

Describe surgical procedure(s) and basis for inclusion in protocol.

**6. Addition of Noninvasive Sampling:**

Describe procedure and basis for inclusion in protocol.

**7. Need to Repeat Experiment:**

Provide reason and scientific justification.

**8. Change in Early Removal Criteria<sup>¶</sup>:**  
Describe changes and provide rationale.

**9. Change in Personnel<sup>†</sup>:**  
**ADDITIONS:**

<u>Name(s)</u>	<u>Title</u>	<u>Training and/or Experience Relevant to this Protocol</u>

**DELETIONS:**

<u>Name(s)</u>	<u>Title</u>	<u>Training and/or Experience Relevant to this Protocol</u>

**10. Change in Method of Euthanasia:**  
Indicate proposed euthanasia method and provide a rationale for making this change.

**11. Other<sup>\*</sup>:**

\_\_\_\_\_  
Signature: PD

\_\_\_\_\_  
Date

Central Michigan University  
Institutional Animal Care and Use Committee (IACUC)

**Final Approval**

\_\_\_\_\_  
Signature: IACUC Chair

\_\_\_\_\_  
Date