**IACUC ANIMAL USE DESCRIPTION (AUD)**

of the Wofford College Institutional Animal Care and Use Committee (IACUC)

**Principal Investigator:**

**Proposal Title:**

IACUC Number:       IACUC Approved:       Next Rewrite Date:

*ASSIGNED BY THE COMMITTEE*

 **This Questionnaire should contain all animal use information necessary for IACUC approval**.

Please exclude any confidential information from this questionnaire (e.g. proprietary information, potential trade secrets, patentable material) as the document is considered a public record and available to outside parties by request under the Freedom of Information Act. If confidential material must be included, please mark it "Confidential" and contact the secretary, IACUC, for further instructions.

1. **ANIMAL USAGE**:

The IACUC can approve protocols for 3 years. The number of animals asked for should be for that

3 year period.

List the total number of animals of each species to be used for the proposed **PROJECT**. Of the total number of animals to be used, **estimate** the number expected to fall in the USDA pain categories B through E (categories explained below).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SPECIES****(Common and Scientific Name)** | **TOTAL # OF ANIMALS TO BE USED** | **B** | **C** | **D** | **E** |
|       |       |       |       |       |       |
|       |       |       |       |       |       |
|       |       |       |       |       |       |

**Category B** # of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. For most protocols this total will be 0 for the entire project period.

**Category C** # of animals upon which teaching, research, experiments, or tests will be conducted involving no pain, distress, or use of pain-relieving drugs.

**Category D** # of 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.

**Category E** # of 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. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must also be supplied in Section 8.)

2. **USE OF HAZARDOUS AGENTS IN ANIMALS**:

|  |  |  |
| --- | --- | --- |
|  **YES** |  **NO** |  **REQUIREMENTS** |
|  [ ]  |  [ ]  | If use of a hazardous agent (radioactive isotopes, hazardous chemicals, biologic agents or recombinant DNA) is planned, an **Environmental Health & Safety Research Proposal Registration Form** must be filled out and submitted with the animal use protocol. The IACUC will not grant approval of the animal use protocol until this form has been received.  |

3. **POTENTIAL PAIN OR DISTRESS TO ANIMALS**:

|  |  |  |  |
| --- | --- | --- | --- |
| **YES** | **NO** | **PROCEDURE/SUBSTANCE** | **REQUIREMENTS** |
| [ ]  | [ ]  | Food restriction | Describe including monitoring method in Section 7, and justify in Section 8 |
| [ ]  | [ ]  | Water restriction | Describe including monitoring method in Section 7, and justify in Section 8 |
| [ ]  | [ ]  | Use of long-term restraint | Describe in Section 7 |
| [ ]  | [ ]  | Survival surgery | Describe in Section 7 |
| [ ]  | [ ]  | Non-survival surgery | Describe in Section 7 |
| [ ]  | [ ]  | Survival surgery not incorporating aseptic procedures | Describe in Section 7 and justify in Section 8 |
| [ ]  | [ ]  | Multiple survival surgeries on same animal | Describe in Section 7 and justify in Section 8 |
| [ ]  | [ ]  | Pain or distress to the animal without anesthetic or analgesic | Describe in Section 7 and justify in Section 8 |
| [ ]  | [ ]  | Electric shock | Describe in Section 7 and justify in Section 8 |
| [ ]  | [ ]  | Freund's Adjuvant | Describe in Section 7 and justify in Section 8 |
| [ ]  | [ ]  | Paralyzing agents | Describe in Section 7 and justify in Section 8 |
| [ ]  | [ ]  | Other | Specify in Section 8 |

4. **METHOD OF EUTHANASIA:** Methods not consistent with 2000 AVMA Panel on Euthanasia should be described in Section 7 and justified in Section 8.

 **Species**

       [ ]  Overdose of barbiturate

       [ ]  Decapitation (anesthetized)

       [ ]  Decapitation (unanesthetized-*justification for use must be provided*)

       [ ]  Cervical dislocation (anesthetized)

       [ ]  Cervical dislocation (unanesthetized-*justification for use must be* *provided*)

       [ ]  Overdose of MS-222

       [ ]  Overdose of inhalant anesthetic (name agent):

       [ ]  Cardiac perfusion for histology during anesthesia

 (name of anesthesia):

       [ ]  Other method of euthanasia (please describe):

       [ ]  ­Animal will not be euthanized *(describe any plans for later use or disposal):*

5. **HOUSING REQUIREMENTS**:

|  |  |  |  |
| --- | --- | --- | --- |
| **YES** | **NO** | **CAGING** | **DESCRIPTION** |
|  [ ]  |  [ ]  |  Standard |       |
|  [ ]  |  [ ]  |  Modified Standard |       |
|  [ ]  |  [ ]  |  Test Chambers |       |
|  [ ]  |  [ ]  | Other |       |

6. **PURPOSE OF RESEARCH (this statement is used for public inquiries):** State in lay terms the primary objective(s) of the research and/or teaching project. *(Use additional sheets if necessary)*

* State the primary objective(s) of the research and/or teaching project. For research protocols this statement should include a brief background to the proposal (existing knowledge) and should identify advances in knowledge that the project is intended to provide.
* State the general importance of the project.
* Explain why it is necessary to use animals and the particular species proposed.

7. **DESCRIPTION OF ANIMAL USE:** Please give sufficient detail for a lay reader to understand the scientific rationale for animal use, and specify all animal procedures to be utilized. *(Use additional sheets if necessary)*

* Explain the procedural details of animal use.
* Explain the scientific rationale for the use of specific species.
* Provide rationale and describe monitoring methods for food or water restriction, or for long-term restraint.
* If survival surgery is performed, descriptions must include measures for pre- and postoperative care, as well as aseptic techniques.
* If procedure(s) causes pain or distress, describe here and justify in Section 8.

8. **POTENTIAL DISCOMFORT, DISTRESS OR PAIN:**

Procedures involving animals should avoid or minimize discomfort, distress or pain. If pain or distress cannot be avoided, justification must be provided. Procedures requiring justification include: electric shock, Freund's Adjuvant, paralyzing agents, food restrictions, multi-survival surgeries, surgeries involving non-aseptic procedures, pain or distress without anesthesia or analgesia, euthanasia not consistent with the AVMA Panel on Euthanasia, other painful/distressful procedures. *(Use additional sheets if necessary)*

9. **ASSURANCES:**

9a. Are any of the proposed procedures painful or potentially painful? Yes [ ]  No [ ]

**If yes, please complete the remainder of section 9a. If no, proceed to 9b.**

You must provide adequate information to the IACUC to assure the committee that alternatives to painful (or potentially painful) procedures were considered and are either not available or cannot be used. Your response must include:

the databases searched or other sources consulted

the date of the search and the years covered by the search

the key words and/or strategy used by the PI when considering alternatives or descriptions of other methods and sources used to determine that no alternatives were available to the painful or distressful procedure

Databases (*check those used)*:

Agricola [ ]  Biosis [ ]  Medline [ ]  Psyc First [ ]  Article First [ ]

Other Databases *(list)*:

Journals and/or other sources consulted *(list)*:

Date of search:

Years covered by search:

Keywords used / search strategy:

Describe the results of the search and whether alternatives were found:

If alternatives are available and not used, provide the IACUC with justification as to why alternatives cannot be used:

9b. Are the proposed animal procedures duplicative of previous research?

 Yes [ ]  If yes, please explain why it is necessary to duplicate the previous research.

 No [ ]  If no, please describe the methods and sources used to determine that the research is not duplicative.

Databases (*check those used)*:

Agricola [ ]  Biosis [ ]  Medline [ ]  Psyc First [ ]  Article First [ ]

Other Databases *(list)*:

Journals and/or other sources consulted *(list)*:

Date of search:       Years covered by search:

Keywords used / search strategy:

Describe the results of the search:

Alternatively, provide a written narrative as to methods and sources assuring the IACUC that the research is not unnecessarily duplicative.

9c. Assurance that necessary permits for the taking of all wild-caught animals have been obtained from the appropriate federal/state permitting authority. Provide the permitting agency name and the permit number in the response.

10. **ASSURANCE THAT THE TRAINING OF ANIMAL-RELATED PERSONNEL IS APPROPRIATE FOR THE EXPERIMENTS PROPOSED**:

**YES NO**

 All animal-using personnel on this project

will have received adequate training before [ ]  [ ]

beginning work.

If no is checked, please explain:

11. **ASSURANCE OF OCCUPATIONAL HEALTH AND SAFETY:**

All individuals authorized to conduct procedures using

animals will have received training in the rules and

regulations of animal care including but not limited to

humane care, treatment, rationale, and ethics.

12. **ASSURANCE ON REGULATIONS AND GUIDELINES**:

Please check to indicate your familiarity with: **YES NO**

a. The relevant portions of the Animal

Welfare Act including the associated [ ]  [ ]

USDA regulations

b. The NIH Guide for the Care and Use of

Laboratory Animals [ ]  [ ]

c. The Recommendations of the AVMA

Panel on Euthanasia [ ]  [ ]

The following documents can be accessed through the Wofford College IACUC website at:

 <http://dept.wofford.edu/IACUC/>

The Animal Welfare Act is available at:

 <http://www.nal.usda.gov/awic/legislat/usdaleg1.htm>

The NIH Guide for the Care and Use of Laboratory Animals is available at:

 <http://dept.wofford.edu/IACUC/NIHGuide.pdf>

The AVMA Panel on Euthanasia is available at:

<https://www.avma.org/KB/Policies/Pages/Euthanasia-Guidelines.aspx>

Public Health Service Policy on Humane Care and Use of Laboratory Animals is available at:

 <http://grants.nih.gov/grants/olaw/references/phspol.htm>

*(FOR COMMITTEE USE ONLY)*

 INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE

**PROTOCOL REVIEW SUMMARY**

Review Date:       **IACUC Protocol #:**

Principal Investigator:

Proposal Title:

 [ ]  APPROVED [ ]  WITHOLD APPROVAL [ ]  PROTOCOL TERMINATED

 *(see attached comments sheet)*

 [ ]  APPROVED PENDING REVISIONS [ ]  RESUBMIT PENDING REVISIONS

Revision requirements:

### REVIEWING MEMBERS OF THE IACUC

 NAME: SIGNATURE: DATE:

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