**Institutional Animal Care and Use Committee (IACUC)**

**Pain or Distress Classification D or E *or* Use of Analgesic / Anesthetic / Tranquilizing Drugs**

**1. Consideration of Alternatives**

The Animal Welfare Act (AWA) regulations require principal investigators to consider alternatives to procedures that may cause more than momentary or slight pain or distress to the animals and provide a written narrative of the methods used and sources consulted to determine the availability of alternatives.

Alternatives include methods that:

(1) *refine* animal use by lessening or eliminating pain or distress

(2) *reduce* the number of animals to the minimum required to obtain scientifically valid data

(3) *replace* animals, partially or fully, with non-animal systems or less sentient animal species

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| --- | --- |
| **Search for Alternatives** | |
| **Literature Search (required)** | |
| Names of database(s) searched: | |
|  | |
| Key words or search strategies used:  *Keywords / concepts must be relevant to the protocol* | |
|  | |
| Years covered by the search:  *Time period must include the last 5 years* | |
|  | |
| Date the search was completed: |  |
| **Additional sources (optional – check all that apply)** | |
| Consultation with experts or colleagues. Provide names, qualifications, dates, and content of the consults: | |
| Other information services/sources utilized. Explain, providing specific information: | |
| **Outcome** | |
| No alternatives exist  Alternatives exist but are not appropriate for this study. Identify alternative(s) and explain: | |

**2. Pain / Distress Relief**

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| **Use of Drugs** | | | |
| Specify in the table below the anesthetics, analgesics, sedatives, or tranquilizers that are to be used to minimize pain, distress, or discomfort.  *Note: Paralytics cannot be used without anesthesia* | | | |
| Agent | Dose | Route | Frequency |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| **Use of Non-drug Methods** | | | |
| List any other methods of relief (such as hot/cold packs, soft bedding) | | | |
|  | | | |

**3. Withholding of Pain / Distress Relief - *Pain Classification E***

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| If pain / distress relief will not be used, provide a justification, which must include the scientific reasons for withholding the relief. State the period of time (if known) that the pain/distress relief will be withheld or provide assurance that relief will be withheld for the shortest period of time necessary. |
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**4. Monitoring of Pain / Distress**

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| Describe how pain or distress will be monitored (i.e. clinical signs and schedule for monitoring) |
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| Will animals that experience severe or chronic pain/distress that cannot be relieved be painlessly euthanized at the end of or during the procedure? |
| Yes  No – Justify: |

**5. Veterinary Planning & Consultation**

|  |  |  |
| --- | --- | --- |
| Name of Veterinarian |  | |
| Date of Consultation |  | |
| Results of Consultation |  | |
| **Signature of Consulting Veterinarian** | | **Date** |