**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) |
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**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** |