PI:  IACUC Protocol #: (office use only)

**APPENDIX A – Surgery and Management of Pain and Distress**

***Be sure to fill out a separate Appendix A for each surgical event.***

***Note: A surgical event may include multiple procedures that occur while the animal remains anesthetized***

Species:      Number of animals:

**Surgery type**

Minor - *Minor survival surgery is a surgical procedure that does not expose a body cavity and causes little or no physical impairment. Examples include: wound suturing, peripheral vessel cannulation, subcutaneous implants, dehorning, vascular cut-down approach to an artery or vein (e.g. jugular or femoral), tissue biopsy (e.g. skin, muscle, via endoscopy).*

Major - *Major survival surgery is any surgical procedure that penetrates and exposes a body cavity, produces substantial impairment of physical or physiological functions, or involves extensive tissue dissection.*

1. Check as many boxes that apply to your surgical procedure:

Non-survival surgery

Survival surgery

Minor

Major

1. **Name** and describe the surgical procedures. (*Include appropriate provision for pre-operative and peri-operative care of the animals.). All survival surgery should be performed using aseptic procedures*.

1. Describe post-surgical recovery precautions and care. Please include frequency and length of observation. If post-operative analgesics will NOT be used, you must justify. If you have a post-procedure template that you use, please include a copy with your protocol.

1. Describe methods that will be used to detect and evaluate pain and distress in animals.

1. Indicate the approximate possible percentage morbidity and mortality due to the described surgical procedures. Be sure to include likely causes and how they will be addressed.

1. Will multiple survival surgeries be performed on any one animal?  Yes  No

*Note that acquiring animals with major surgery previously done count toward the total.*

If **Yes**, check the box that applies:

Multiple minor survival surgeries (no Major)

One Major and one or more minor survival surgeries

Multiple Major survival surgeries - with or without minor surgeries (please answer #7)

1. If multiple Major survival surgeries occur, you must explain (please be sure to include the amount of time between the two surgeries) and justify: