**IACUC Protocol Review Checklist**

The animal use protocol is a detailed description of the proposed use of animals. The following topics should be considered in the preparation of the protocol by the researcher and its review by the IACUC:

A clear and concise sequential description of the procedures involving the use of animals that

is easily understood by all members of the committee.

Availability or appropriateness of the use of less invasive procedures, other species, isolated

organ preparation, cell or tissue culture, or computer simulation

Justification of the species and number of animals proposed; whenever possible, the number

of animals and experimental group sizes should be statistically justified (e.g., provision of a

power analysis)

Unnecessary duplication of experiments

Nonstandard housing and husbandry requirements

Impact of the proposed procedures on the animal’s well-being

Appropriate sedation, analgesia, and anesthesia (indices of pain or invasiveness might aid in

the preparation and review of protocols)

Conduct of surgical procedures, including multiple operative procedures

Postprocedural care and observation (e.g., inclusion of post-treatment or postsurgical animal

assessment forms)

Description and rationale for anticipated or selected endpoints

Criteria and process for timely intervention, removal of animals from a study, or euthanasia if

painful or stressful outcomes are anticipated

Method of euthanasia or disposition of animals, including planning for care of long-lived

species after study completion; return to colony, return to wild, sold or adoption

Adequacy of training and experience of personnel in the procedures used, and roles and

responsibilities of the personnel involved

Use of hazardous materials and provision of a safe working environment