



APPLICATION FOR ANIMAL ETHICS COMMITTEE APPROVAL

1. PRINCIPAL INVESTIGATOR

Name:

College:

Department:

Address (work):

Mobile phone number:

Email:

2. RESEARCH PROJECT DETAILS

Project title:

Project type:

Funding agency:

Project number (if available):

Starting date:

Ending date:

3. ANIMALS REQUESTED

Species:

Strain:

Total number:

Males (*n*):

Age/weight:

Females (*n*):

Age/weight:

4. PROJECT PERSONNEL

Primary personnel name:

Animal handling certification number:

Email:

Phone number:

Emergency contact(s) name and tel.:

List any additional personnel handling animals on this project:

Name	Certification number	Email



ATTACHMENTS

Complete applications must include the following components typed and clearly explained. If a section is inadequately answered, the application will be deemed incomplete and returned to the PI.

Section 1: Justification of the research project and the use of animals

Researchers must clearly state their project's scientific purpose (abstract, objectives, and importance of research). The international ethical guidelines require that the project should be of sufficient potential significance to justify the use of animals.

Section 2: Justification of animals requested (number, species, sex, age)

Include a thorough explanation of the experimental design and precise statistical analysis while also avoiding unnecessary experimental duplication to reduce the total animal number. The species and characteristics chosen should be the best suited for the study.

Section 3: Experimental procedures

A detailed description of planned experiments including surgical procedures.

Section 4: Severity of intervention and pain alleviation

A clear description of level of animal handling during experiments, assessment of the severity of intervention and measures to be taken to alleviate pain.

Section 5: Animal handling after release from ARC

Scientists should ensure that all staff who use animals under their supervision receive explicit instruction in experimental methods and in the care, maintenance, and handling of the animals they obtained. The researcher should state information on technical staff certification and training, location of experiments, care, and handling responsibilities.

Section 6: Toxic, infectious or radioactive substance use and management

The researcher should describe in detail any experiments involving the use of toxic, infectious or radioactive substances and clarify the safety procedures planned to be adopted during the experimental work.

Section 7: Methods of sacrifice and disposal

Description of methods to be utilized for animal sacrifice and carcass disposal.

STATEMENT OF AGREEMENT

I confirm my understanding and adherence to the international ethical standards of animal care¹ and the accuracy of the information provided in this application.

Name:

Signature:

Date:

ARC office use

Approved:

Not Approved:

ARC Director signature:

Date:



INSTRUCTIONS

- i. All scientific research in the HSC is expected to follow international standards of ethics for animal experimentation. The use of animals requires an ethical evaluation process to be undertaken by the ARC Ethics Committee.
- ii. The guidelines used by the committee are adopted from the International Guidelines for Ethical Conduct in the Care and Use of Animals¹ (available on the ARC website). The main parameters for the ethical approval of a study are derived from the “3Rs” concept:

"All efforts to replace, reduce, and refine experiments must be undertaken."

- **Replacement:** Replace animals with non-animal methods where possible.
- **Reduction:** Reduce the number of animals used, using only enough to obtain scientifically valid results.
- **Refinement:** Refine animal use and care practices to minimize pain, suffering, distress, or lasting harm to the animals.

(Russel and Burch, 1959)²

Researchers are advised to adhere to these guidelines when preparing their study design, which may be accessed on the ARC website.

- iii. The maximum allotment of animals from the ARC is 100 mice/rats per year per project and 16 rabbits/guinea pigs per year per project.
- iv. All attachments and sections in this application must be clearly explained. If a section is left unanswered, the application will be deemed incomplete and returned to the PI.
- v. Completed applications must be submitted to the Animal Ethics Committee at least 40 days before the animal disbursement request to allow sufficient time for review.
- vi. **Completed applications should be addressed to the chairperson of the ARC Ethics Committee and submitted as a soft copy to arc.hsc@ku.edu.kw.**

¹National Research Council (US) Committee for the Update of the Guide for the Care and Use of Laboratory Animals. (2011). *Guide for the Care and Use of Laboratory Animals*. (8th ed.). National Academies Press (US).

²Russell, W. M. S., & Burch, R. L. (1959). *The principles of humane experimental technique*. Methuen.