

## Research Plan Template

### Vertebrate Project

#### **Title**

#### **Rationale (Problem)**

A few sentences explaining the global or societal need for this research. Why does anyone care about this research.

#### **Hypothesis/es**

What is being tested or, for an engineering project, what is the design goal?

(Suggestion: If, then format. If something happens, then something will result.)

#### **Procedure**

Sequentially numbered steps that cover the procedure from beginning to end. The steps should be detailed enough for someone else to be able to replicate the study from your steps. This section can be sub-divided by different sections of the procedure such as safety, experimentation, data analysis, disposal, etc..

**Safety:** These steps will vary according to the types of projects. These steps must be a part of the research plan as well as being on the Form 3. Some examples for vertebrates are:

**Vertebrates:** Describe living conditions, cleaning and feeding schedule, life after experimentation is complete.

**Experimentation:**

These sequential, numbered steps should continue from safety. This must thoroughly cover the entire study. Make sure to include:

- Potential alternatives to Vertebrate use and justification for use.
- Methods used to minimize potential discomfort, distress, pain and injury to the animal.
- Detailed Chemical concentrations and drug dosages.
- Detail animal numbers, species, strain, sex, age source, etc. Include justification for numbers used.
- Discuss housing and oversight of daily care.

**Disposition:** Discuss disposition of the animals at the termination of the study.

**Data Analysis:**

Include a description of the techniques or statistical tests that will be employed to analyze the results of the experimentation.

**Disposal**

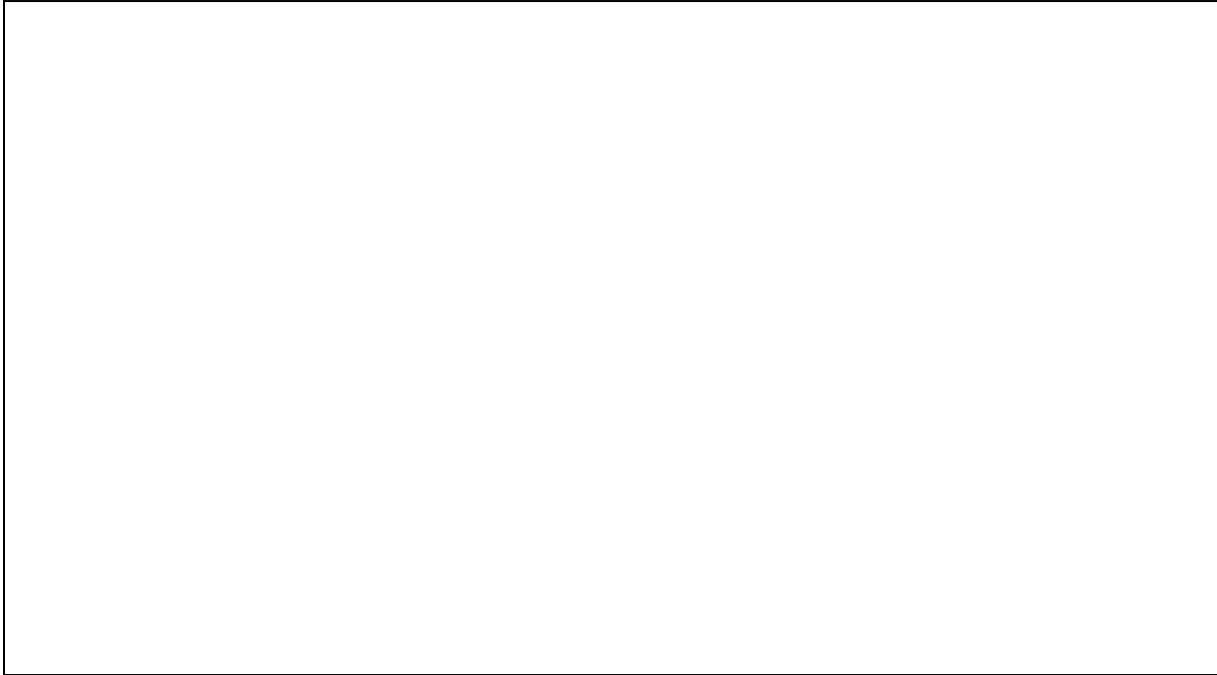
This is necessary for PHBAs, chemicals or materials that require special handling for disposals.

**Summary or addendum**

Necessary if experimentation changed through the course of the research. If additional SRC or IRB approval was needed, you must also provide a letter from the SRC explain the changes that is signed and dated. If new IRB approval was necessary, the new Form 4 and informed consents must be included with the paperwork.

## **Bibliography**

Current journal sources on your topic from your literature review. Make sure to include an Animal Care and Use Reference specific for the animals used in the study.

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