**Introduction:**

The objective of this form is to submit to ethical evaluation, a small-scale preliminary study whose purpose is to determine: feasibility, duration, cost, adversities, improvements in experimental design and the number of animals to be used, prior to the development of a larger-scale research project. The relevance of evaluating research activities proposed as a pilot study will be determined by the Scientific Ethics Committee for the Care and Use of Animals (CEC-CAA). **Once this pilot is completed, you must send the results report with the animal supervision records within a period of 2 months. Failure to comply with this requirement will result in a non-approving report.**

SECTION 1. ADMINISTRATIVE BACKGROUND

|  |  |
| --- | --- |
| **Pilot project title:** | *indicate the title of your pilot project.* |
| **Academic Responsible:** | *indicate name and surname* |
| **Researcher Responsible:** | *indicate name and surname* |
| **Code assigned by CEC:** | *indicate the number provided by the CEC* |

SECTION 2. PURPOSES AND JUSTIFICATION OF THE RESEARCH

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| **2.1. JUSTIFICATION.** *Explain the scientific or technical reasons that justify the pilot study. Explain the reasons why this study is a pilot and not a full protocol.* ***Remember that this is a fundamental item for the committee to evaluate the relevance of what is proposed to constitute a pilot.*** |
| … |

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| --- | --- | --- |
| **2.2. HYPOTHESIS** | *If there is no hypothesis, indicate the general objective of carrying out the pilot.* | |
| **2.3. GENERAL OBJECTIVE** | … | |
| **2.4. SPECIFIC OBJECTIVES** | **Specific Objective** | **Is it done at the UC?, SI/NO\*** |
| 1. |  |
| 2. |  |
| *… add more rows if required* |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **2.5. DETAIL OF ANIMALS TO BE USED PER OBJECTIVE.** Indicate the number of animals to be used according to species,  strain, weight, sex and stage of development. Check that it is consistent with the flow chart. | | | | | | | |
| **Objective** | **Species and strain** | **Age / State of development** | **Weight** | **Sex** | **Number to be used** | **Conservation status of the species** | **SAG authorization/ Sernapesca/other** |
| **1** |  |  |  |  |  | ***Indicate: endangered /vulnerable/rare/N/A***  *If it does not correspond to a protected species, indicate “NOT APPLICABLE” (N/A) Generally this question applies to wild animals.* | *Indicate:Yes/No/ In process/N/A*  *Generally, this question applies to wild animals.* |
| **2** |  |  |  |  |  |  |  |
| *add more rows if required* |  |  |  |  |  |  |  |
| \*Total number to use = | | | | |  | | |
| Origin of animals= | | | | |  | | |
| Housing place of the animals during the development of the protocol= | | | | |  | | |

SECTION 3. EXPERIMENTAL DESIGN AND METHODS

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| **3.1. EXPERIMENTAL DESIGN** |
| *Detail the experimental design to be followed. For this purpose, you must consider the following criteria:*  *(1) Your design must clearly indicate the experimental groups and controls. Specify if the proposed design is a repeated measures design.*  *(2) The sex, age, and number of animals in each group must be indicated.*  *(3) Clearly indicate the sequence of manipulations to be performed on the animals, ending in euthanasia. Do not include details of procedures with animals or aspects related to euthanasia methods in this section (Sections 3.3 and 5.1, respectively). (4) If the project requires sampling from the animals, include the destination of the samples (e.g., protein extraction and analysis by western blot, primary culture, immunofluorescence, etc.), as far as it is relevant to the protocol's objective and the justification for the number of animals.*  ***\*Do not include detailed information about the procedures to be performed with the obtained samples (e.g., microscopy, flow cytometry, cell culture, PCR, etc.).***  **…** |

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| **3.2. JUSTIFICATION OF THE NUMBER OF ANIMALS.** |
| *Provide a justification for the number of animals to be used for each specific objective. To do this, you must consider the following criteria:*  *(1) By default, the justification must be based on a statistical analysis using published data or previously unpublished work, data that must be explicitly stated in the text. It is acceptable to use data from techniques, protocols, or studies that are relevant to the project's objective to obtain approximations of the expected effect and its variability.*  *(2) The statistical analysis must clearly indicate the experimental unit to be used, whether animals, tissue samples, preparations of primary cultures derived from animal-extracted cells, or others.*  *(3) In cases where the pilot's objective is to assess the reproducibility of a technique and the experimental unit is an animal, it is acceptable to consider a minimum of three independent replicates as long as the success criteria of the technique are specified.*  **…** |

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| **3.3. DESCRIPTION OF PROCEDURES WITH ANIMALS (surgical and non-surgical)** |
| *Describa por separado y* ***en detalle*** *cada uno de los procedimientos que serán practicados en los animales.* ***Adjunte las pautas de supervisión a utilizar como un documento anexo al momento de enviar el protocolo. No incluya la pauta de supervisión como imagen en este apartado.***  **…** |

**SECTION 4. LIST OF PERSONS AUTHORIZED FOR THE HANDLING OF ANIMALS**

(everyone must have completed their ALAAS training before animal handling)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name:** |  | | | |
| **Function and techniques to perform in this protocol:** |  | | | |
| **Animal handling experience. Mark with X:** |  | **YES** |  | **NO** |
| **If you indicate "YES", mention who trained you and the years of experience in the functions and techniques to be performed in this protocol:** |  | | | |
| **If you indicated “NO, mention who will train you in the functions and techniques to be performed in this protocol:** |  | | | |

***\**** *Copy and complete this chart for each member of the research team associated with this protocol who will handle animals.*

***\*\**** *Attach AALAS certifications in ethics and animal handling or another equivalent* ***(please note that the validity of the courses is for 3 years from the certificate issuance date).***

SECTION 5. ANIMAL WELFARE

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| **5.1. Impact on Animal Welfare and Refinement** |
| *Describe if any impact on animal welfare is expected (e.g., pain greater than that caused by a needle prick, fear, anxiety, or permanent damage) as a result of the animal phenotype or the procedure(s), and how it will be refined to minimize the impact as much as possible. Also, indicate if you will use humane endpoint.* |
| **5.2. Euthanasia method** |
| *Specify the method you will use for experimental endpoint euthanasia and, if applicable, for humane endpoint.* |