

Animal Involvement Justification
(From Section V of the proposal guidelines)

Morris Animal Foundation (MAF) is dedicated to funding scientifically sound, relevant and humane studies that specifically address the health and well-being of animals. All studies receiving funding must follow MAF's Health Study Guidelines for Animals Involved in Research, which were written to ensure that each and every animal involved in a MAF funded health study receives excellent, compassionate care throughout the study. MAF shall not fund health studies which require euthanasia as an endpoint or the induction of disease or injury, unless the nature of the disease or condition to be studied is of such significance for improving animal health that such means are justified, and that meaningful information can be obtained no other way. Furthermore, MAF will not fund any study that induces or allows pain or distress, other than short-term minor pain or distress that can be controlled by appropriate anesthetic, analgesic, tranquilizing drugs, or nursing care. Any MAF funded study should have built-in precautions so that the limit of short-term, minor pain and distress is not exceeded. The full Health Study Guidelines are posted on our web site at www.morrisanimalfoundation.org.

- A. If this study does not involve live animals please indicate here by N/A: _____
Briefly describe what biological samples, tissues, etc. will be used and where & how will they be acquired. (Please note: Morris Animal Foundation reserves the right to request a copy of the application and approval (IACUC, wildlife permit, etc.) covering the original collection of samples, including archived samples. MAF reserves the right to request Institutional Animal Care and Use Committee review and approval, or equivalent review committee, for any Foundation study regardless of the Institution's requirements. This would include the use of archived samples as well as clinical trials)
- B. If this study involves live animals, succinctly address the following: (limit to 2 pages restating the questions and directives).
1. What species will be studied?
 2. Explain how animals will be acquired (e.g., client-owned, USDA licensed breeder, institutional "herds" or "colonies", etc.) and verify that the animals are suitable for the study (e.g., have no physiologic, physical or pharmacologic issues that would interfere with results)
 3. How many animals will be used?
 - a. Summarize numerical justification
 4. Does this study induce disease, injury, pain or distress in animals? (note: any study requiring the induction of disease, injury, pain, or distress will have an additional evaluation by an ethics review panel)
If yes,
 - a. Defend the necessity of experimental design
 - b. Explain how pain and/or distress will be controlled
 - c. Justify that no alternative, including clinical studies, can be used to accomplish study objectives and the disease/condition to be studied is of such significance for improving the health of the species.
 5. Explain the environment and housing conditions in which the animals will live (address species-appropriate exercise, enrichment, socialization, veterinary care, etc.)
 6. What will happen to the animals upon completion of the study?
 7. If adoption, explain the adoption process and what will happen to animals that cannot be placed in homes. Whenever possible and when in the animal's best interest, investigators shall

return the animals to the owner/responsible agency or make companion animals available for adoption at the end of the study.

8. If euthanasia, provide the following additional information (note: any study requiring euthanasia as an endpoint will have an additional evaluation by an ethics review panel.
 - i. Total number that will be euthanized and justification for numbers
 - ii. Method of euthanasia
 - iii. Justification that no alternatives can be used to accomplish study goal(s) and that the disease/condition to be studied is of such significance for improving the health of the species
 - iv. Reason for euthanasia in lay language (this wording may be shared with staff, donors and media)
 - v. Provide objective criteria for determining when euthanasia is appropriate or necessary (note: Morris Animal Foundation wants assurance that an animal will not be allowed to suffer and that monitoring for pain and suffering are adequate)

Note: Morris Animal Foundation does not consider the use of CO2 alone to be an appropriate method of euthanasia

Please note:

1. If an animal is used in an invasive study, MAF may require that a guarantee is provided, through principal investigator and institutional signatures that the animal will not participate in any future invasive study.
2. MAF does not look favorably upon inclusion of ancillary data in MAF funded research that includes animal use protocols not in agreement with our Health Study Guidelines, even if it is obtained using other funding sources.
3. Morris Animal Foundation considers euthanasia acceptable when an animal develops unanticipated illness or injury that results in pain and suffering that cannot be alleviated with standard methods.