

**SUNY Downstate Medical Center
Institutional Animal Care and Use Committee (IACUC)**

Request to add a Mouse Strain/Genotype to a Currently Approved Protocol

Submission Instructions:

The signed completed document is to be sent to IACUC@Downstate.edu ; any problems with this form should be brought to the attention of the IACUC Administrator at x3912; please be advised that additional information may be requested to assess the impact of the proposed changes on animal welfare.

I. Protocol Information:

Principal Investigator's Name:	
Approved Protocol Number:	
Protocol Title:	
mouse strain or genotype to be added	source
Protocol Approval Date:	

II. This amendment requests the addition of a strain of mouse to this protocol. The following information is required for the IACUC to be able to assess impact on animal welfare as required by the Federal government:

1) Phenotypes: Describe any known or expected phenotypes of animals in the colony (e.g., behavioral, anatomical, physiological). Discuss whether the generated mice experience any significant health problems associated with their genetic status (e.g., immunodeficiency, musculoskeletal deficiencies, any problems associated with eating, drinking, metabolism, spontaneous neoplasia) which requires special husbandry or results in pain or distress. Please discuss the severity of symptoms expected in these animals and what measures will be used to assess the symptoms and provide relief from pain or distress, including euthanasia, if necessary
2) Describe any special husbandry requirements required for these animals (e.g. food on the special feeder, alternate water sources).
3) Provide numbers below of animal required to establish or maintain a colony.
a) Numbers of breeder pairs
N=
b) Total numbers of animals for colony per year
N= // cages
c) Total numbers of animals retained for colony per year
Total N= Males n= // Females n=
d) Production numbers: How many animals do you hope to produce (weaned) from this colony per year?
Estimate Total N= Males n= // Females n=
e) Total number of experimental animals to be used in this protocol per year
N=
f) Grand total number of experimental, breeding and disposed animals per year
N=
4) Justify the number of breeding animals maintained or to be maintained:

5) Provide a scientific justification for establishing and maintaining a breeding colony of animals. Include how the colony contributes to the overall objectives of your research and why animals from commercial vendor sources are not appropriate. Also please include issues with fertility, litter size, or other phenotypes affecting breeding that will necessitate greater numbers of breeders.
6) At what age will animals be typed for gene of interest? What tissue will be used in the typing (e.g. blood, saliva, oral swab, hair, ear or tail)? how will animals be identified?
7) List the name of the person(s) who are responsible for animal monitoring Individual's training and experience as it relates to colony maintenance and breeding of animals must be provided.
8) What breeding scheme(s) will be used (e.g. pair or trio)? For mouse breeding, include a description of other aspects of the breeding scheme such as whether lines are bred as homozygote/heterozygote, hybrids, or chimeras, are used for backcrossing or inbreeding, or if there will be use of genetic technologies involved
9) Describe the procedure(s) for animals that are NOT involved in breeding or experiments (e.g. offspring deemed unusable as a result of unfavorable genotype, sex, etc).
10) At what age will offspring be weaned? (Litters from females that have subsequent pregnancies due to post-partum estrus must be weaned at 21 days)
11) Describe how the maintenance of the colony is managed and recorded. Include a brief description of pedigree records, and records of breeding performance (e.g., number of pups born, number of each sex weaned, etc.) You may also attach a copy of your record keeping system.
12) How long will the colony be maintained?
13) What is the fate of the animals (e.g., Old animals, sick animals that cannot produce offspring)? If euthanasia, describe method and disposal.
14) Describe all experimental manipulation that will be performed on the breeder animals and identify all therapeutic agents to be used.

Investigator's Signature: _____ **Date:** _____

Please note: Checking breeders and litters, separating and weaning are the investigator's responsibility

IACUC approval:	For office use only
Designated Reviewer 1 Signature/ Date	
Designated Reviewer 2 Signature/ Date	