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| **IACUC Module 4: Breeding** |

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| **A. Explanation of Need for Breeding Animals** (insert **X** in appropriate box below) | | | |
| **Yes** | **No** | **Please indicate all applicable reasons for animal breeding** | |
|  |  | Need to study fetuses or neonates | |
|  |  | Need animals that are **not** commercially available (e.g., novel Tg or KO mice) | |
|  |  | Need to study hormonal/chemical manipulation of the breeders | |
|  |  | \*Need to backcross gene of interest onto a different strain background\* | |
|  |  | \*\*Will be breeding animals that are commercially available\*\* | |
|  |  | Other—please specify | |
| \*If you are breeding to backcross, indicate whether you are using Speed Congenics (see info at <http://jaxmice.jax.org/services/speedcongenic.html> and related sites). Explain below.  \*\*If you are proposing to breed animals that are commercially available, explain why animals from commercial sources are not being used. Explain below. | | | |
| Briefly, please expand on the rationale for breeding animals as noted above: | | |  |

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| **B. Breeding System** | | | |
| **breeding scheme**  (e.g., “homozygous x homozygous”, or “+/- x +/-“) | | |  |
| **reason for choosing this scheme**  (e.g., “heterozygotes will be bred because the homozygous nulls are sterile”) | | |  |
| **Yes** | **No** | **Indicate the breeding cage set-up** (insert **X** in appropriate box below) | |
|  |  | pair = 1 male + 1 female. | |
|  |  | trio = 1 male + 2 females (requires large cage) | |
|  |  | other (explain): | |

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| **C. Number of Breeding Stock Animals to be Acquired** | | | | |
| * Estimate the initial number of animals necessary to acquire (via purchase or gift) to establish and maintain the breeding colony. * Include animals used for breeding stock, animals used as foster- or co-mothers. * The total number of breeder animals should be stated for the duration of the project (a maximum of 3 years). * Please be advised you will only be approved to obtain this number of animals unless protocol is amended. | | | | |
| **Species** | **Strain/Stock** | **Sex** | **Age or Weight** | **Total # required** |
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| **D. Number of Offspring Animals to be Produced** | | | |
| * Estimate the number of animals to be *produced* for the duration of the project (a maximum of 3 years). * Include all animals **born**, even those of undesirable genotype. * Do NOT count fetuses killed prior to birth. | | | |
| **Strain/stock** | **Estimated number of offspring to be used in studies** | **Estimated number of offspring that will not be used** | **Estimated total # of offspring produced** |
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| **E. Colony Management** | |
| **Animal identification method**  (e.g., ear punch, ear tag, microchip, etc.) |  |
| **Genotyping method**  (e.g., tail snip, ear punch, other, none) |  |
| **Recordkeeping method**  (e.g., chart, computer program, etc.) |  |
| **Person(s) responsible for breeding records** |  |