



University Animal Care Committee

Policy on Mouse Colony Management

The University Animal Care Committee (UACC) is responsible for the welfare of all animals used in research and teaching at the University of Toronto. The UACC is composed of representatives from the University of Toronto, the University of Guelph, and the University of Waterloo.

Techniplast GM500 ventilated mouse cages should have no more than 5 adult mice per cage. The breeding scheme must be described within the Animal Use Protocol (AUP).

The approved breeding schemes are:

- 1) Monogamous pairing: 1 male: 1 female per cage
- 2) Trio grouping: 1 male: 2 females. Breeders must be separated prior to parturition

Trio breeding is only permitted provided the breeding group is separated prior to parturition and the breeding scheme is approved in the protocol. Separation of breeding females is required to avoid multiple litters housed in one cage and reduces the risk of post-partum mating, which can occur 14-28 hours post parturition. Multiple litters in a cage may lead to overcrowding and trampling of newborn pups by pre-existing juveniles. Principal Investigators (PI) that wish to deviate from the approved breeding schemes listed above must provide justification to the UACC.

Weaning:

The weaning age of mice is typically at 21 days post parturition. Pups with reduced growth rates may be allowed to remain with the dam for a few more days. If reduced growth is characteristic of the strain, it must be described in the AUP.

If a continuous breeding scheme is approved and it appears that the older litter poses a threat to the newborn litter, the PI will be requested to wean the older litter (provided there is no evidence they cannot be separated from the dam at an age younger than d21).

Mice which are not weaned in a timely fashion (48hrs post d21) will receive written notification from Animal Care Services (ACS) and be given 24 hours to respond. If no action is taken, the mice will be weaned by ACS staff and a technical service fee of \$50 per cage will be charged to the PI.

