

Rederivation

Core Responsibilities

For rederivations from imported mice the core will superovulate 3-4 week old C57BL/6 females and mate them to 3-6 proven males (3-6 months of age) supplied by the investigator. If female mice of an alternate strain are required please contact Andrei Golovko (agolovko@tigm.org). The core may have to receive IACUC approval to order female mice of that particular strain. There will also be an additional charge to purchase the alternate strain. The core will isolate embryos from the superovulated females and transfer them to recipient females. The core will notify the investigator when pups are born and schedule transfer of the mice to the investigator's colony after weaning and following serology testing of recipient mothers.

For live embryos the core will transfer to the appropriate stage recipient mothers.

For frozen embryos the core will thaw the embryos according to the protocol supplied by the originating lab and perform embryo transfers.

Investigator Responsibilities

- **Veterinarian approval is required to import mice/embryos from another institution and transfer rederived mice to the investigator on campus.**
- Fill out a rederivation request form
- Supply IACUC and Biosafety approval information
- Contact the core 3-4 weeks in advance to arrange a date for rederivation
- Provide the core with 3-6 proven males of reproductive age (3-6 months old)
- For frozen embryos the investigator must provide the core with a protocol for thawing the embryos from the originating lab.

If you have additional questions please contact Andrei Golovko.

Timeline

Day 1: PMSG superovulation of B6 females

Day 3: hCG superovulation of B6 females and mating set up

Day 4: Check plugs and isolate fertilized embryos aseptically. Wash embryos extensively and culture overnight

Day 5: Transfer embryos to recipient females

Day 24: Pups born

Day 45: Pups weaned

Day 52-55: Mice transferred to the investigator after serology testing