

The Hayden Lab's Safeguard For the Future

MAPS's successful Mouse Sperm Cryopreservation Program has been in place at CMMT since 2010. In that time, MAPS has frozen close to 200 strains, for 6 different investigators, with 6 different strain backgrounds.

The onetime cost of cryopreservation is substantially less than maintaining a minimal breeding colony for one year. Importantly, MAPS has successfully recovered all strains requested.

MAPS spoke to one of our most recent cryo users, the Hayden Lab's operational manager Mahsa Amirabbasi, to see how cryopreservation has helped with the mouse colonies she manages. Mrs. Amirabbasi listed a number of reasons why they elected to cryopreserve the lab's strains: a safe guard in case of a natural disaster, protection against loss of a strain by cessation of breeding, genetic stability, space, time, and finally **money**.

For more information regarding cost and animal requirements do not hesitate to contact us.

We look forward to working with you to further your research.

The Mouse Animal Production Service (MAPS) at CMMT provides the research community with cost effective, state of the art technologies for the generation and maintenance of genetically modified animals. Directed by Dr. Elizabeth M. Simpson, the objective of MAPS is to advance discovery through ES-cell-based techniques.

SERVICES

- ESC microinjection
- Embryonic stem cell culture
- Derivation of new ESC lines
- Germline competent ESCs
- Mouse embryonic fibroblasts
- Timed pregnancies
- Age specific mice or embryos
- ICR foster mothers
- Pseudo pregnant recipients
- Surgical services
- Cryopreservation of sperm or embryos
- *In-vitro* fertilization

CONTACT US

For more information on our services or to place an order, please contact us:
MAPS team

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www.cmmt.ubc.ca/MAPS

For more information on other CMMT Core Facilities and Services please contact: Michael Hockertz

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