

SERVICES

TRANSGENESIS AND ANIMAL MODELLING

Pronuclear microinjection in mice and rats

Creating gene modified animals through microinjection of a transgenic construct or nucleases such as Crispr/Cas9, Talens or Zinc Fingers

Mouse sperm cryopreservation

Sperm cryopreservation of your valuable mouse line to allow your lab to remove the line off-the-shelf but still preserve it for future use, or to safe-guard the line due to a facility or breeding management problem.

Microinjection of embryonic stem cells

We offer microinjection of ES cells in embryos from 8-cell to blastocysts to create chimeras

Electroporation of ES cells

Electroporation of your targeting vector into embryonic stem cells to generate targeted clones for future microinjection

Rodent genotyping

DNA Extraction, gel and PCR to identify the genotype of your rodents. Refer to fees document or please contact us to see all options and pricing.

Chromosome count

Chromosome count of ES cells to determine whether your cells are euploid or aneuploid

Embryo cryopreservation

Cryopreservation of up to 200 embryos divided into 20-25/embryos per straw. Each straw can be thawed to transfer into one pseudopregnant female to reestablish a live colony.

Embryo cryopreservation of your valuable mouse line to allow your lab to remove the line off-the-shelf but still preserve it for future use, or to safe-guard the line due to a facility or breeding management problem.

Embryo thawing

Embryos, that have either been shipped or stored at our facility, that are thawed to be transferred into pseudopregnant females to reestablish a live colony.

Embryo Transfer

Embryo transfer of either fresh or frozen embryos to reestablish a new live mouse colony. This service can be used to establish a new colony into a facility, rederive a mouse line to a higher level health status or to rescue lines that are in danger of being lost due to difficulties with their reproduction.