

As the leader in the development and use of assisted reproductive technologies in mice, The Jackson Laboratory offers two services for investigators who want to eliminate specific pathogens from their breeding colonies.

## Speed Rederivation with Sperm Cryopreservation for Transgenic, Knock Out and Single Gene Mutation Mice

We can quickly rederive your strain using *in vitro* fertilization (IVF) and offer you Sperm Cryopreservation with three years of storage at no extra cost! The Jackson Laboratory has developed the first truly reliable and cost effective sperm cryopreservation and recovery service for mice on common inbred backgrounds. We are combining IVF rederivation with sperm cryopreservation to offer exceptional value to our customers.

**Application**—This service is applicable to transgenic, knockout and single gene mutation mice on the genetic backgrounds listed in the pricing table below.

**Technique(s) Applied**—Sperm cryopreservation, IVF, and embryo transfer.

**Requirements**—Two (2) fertile carrier males from your colony between 10 and 16 weeks of age.

**Deliverables**—All pups from successful transfers; a minimum of 10. Specific pathogen free (SPF) mice are ready to be shipped to you 12 to 14 weeks from receipt of your animals.

**Sperm Cryo at no additional cost**—You can elect to have us cryopreserve and store sperm from your mouse strain for three years at no additional cost.

**Price**—

\$3,495 for the following genetic backgrounds:

C57BL/6J	000664
DBA/2J	000671
C3H/HeJ	000659
FVB/NJ	001800
B6C3F1/J	100010
B6129Sv1F1/J	101043
DBA/1J	000670
NOD/ShiLtJ	001976
BALB/cByJ	001026
BALB/cJ	000651

\$3,795 for the following genetic backgrounds:

A/J	000646
C57BL/10J	000665
129x1SvJ	000691
129S1/SvImJ	002448

**Limitations**—Genotyping is not included but can be performed upon request.

### Advantages

- Fast turnaround time (12 to 14 weeks)
- Only two fertile carrier males required from your colony
- A minimum of 10 rederived pups (mix of heterozygous and wild type) provided
- We provide a comprehensive animal health report for the foster mothers with each shipment of rederived pups
- Cryopreservation of at least 16 straws of sperm for your strain plus three years of liquid nitrogen storage at no extra cost.

Contact us today:



**Phone:** 1-800-422-6423 or 1-207-288-5845

**Email:** [jaxservices@jax.org](mailto:jaxservices@jax.org)

**Web:** [www.jax.org/jaxmice/services/rederivation](http://www.jax.org/jaxmice/services/rederivation)

# Standard Rederivation

## for Inbred and Homozygous Mice

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**Application**—This service can be used to rederive any strain of mice.

**Technique(s) Applied**—Hysterectomy derivation or IVF and embryo transfer.

**Requirements**—A single combined shipment of four to six male and six to 10 female mice from your colony.

**Deliverables**—All pups from successful HDs or transfers, a minimum of two pairs. SPF mice are ready to be shipped to you between four and 12 months from receipt of your mice. Delivery time is largely dependent upon the breeding characteristics of your mice.

**Price**—\$5,495 per strain. Multiple strain pricing available with restrictions.

**Limitations**—Genotyping is not included but can be performed upon request.

### Advantages

- This method maintains inbred and homozygous status of your mice
- You will be provided all SPF mice produced; a minimum of two pairs
- We provide a comprehensive animal health report for the foster mothers with each shipment of rederived pups

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