

# NEW JAX<sup>®</sup> Sperm Cryo & Recovery Service

## A Dramatic Breakthrough in Colony Management

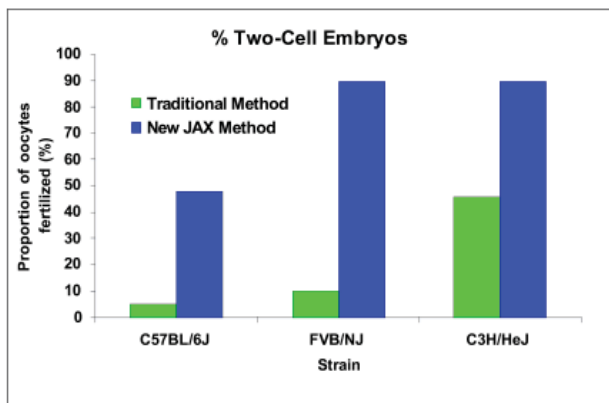
The Jackson Laboratory is pleased to announce our NEW Sperm Cryopreservation & Recovery Service, the first truly reliable and cost-effective sperm cryopreservation and recovery service for the mouse strains most commonly used to make knock-out and transgenic mice.

### A Major Development

As a result of major scientific advancements at The Jackson Laboratory, we are now offering a significantly more cost-effective way to cryopreserve and recover your mouse strains. Until now, available sperm cryopreservation methods have resulted in poor fertilization rates for the most commonly used genetic backgrounds, including C57BL/6 and FVB, and have proven uneconomical for the recovery of live mice. We are pleased to announce that *in vitro* fertilization (IVF) rates of 50% or greater are now typical for sperm from C57BL/6 and FVB mice cryopreserved through our new JAX<sup>®</sup> Sperm Cryopreservation & Recovery Service.

This new service is being made available to further our mission of supporting mouse-based research in the broader scientific community. Please contact us today for more information.

Fertilization Rates of Cryopreserved Mouse Sperm



The new JAX<sup>®</sup> Sperm Cryo and Recovery Service produces much higher embryo fertilization rates from cryopreserved sperm than previous methods.

### Service Details

- Cryopreservation price is \$1,800 per strain for C57BL/6, FVB, DBA/2 or C3H/HeJ backgrounds, hybrid mixes of these backgrounds, or B6;129 hybrids. Recoveries from \$1,095.
- This service is available for additional strains. See back page for details.
- Quality control checks include motility of sperm plus an IVF test (to two-cell embryos).
- A minimum of 16 straws of sperm will be inventoried for each strain. Straws will be stored for three years in liquid nitrogen in three separate tanks in two locations.
- Optional recovery of live born mice for verification of strain recoverability is strongly recommended. *Price is only \$500 per strain.*

### Advantages

- Dramatically reduces the cost of cryopreserving and recovering mouse strains
- IVF-based recovery allows you to directly expand a colony to produce large numbers of age matched mice
- Requires only two males
- Inexpensive insurance against catastrophic loss due to disease, fire, flood or breeding accidents
- Combined with our Sperm Recovery Service, permits the efficient distribution of your strain to other investigators as frozen embryos or SPF live mice

Contact us today:

Phone: 1-800-422-MICE (6423) or 1-207-288-5845

E-mail: [jaxservices@jax.org](mailto:jaxservices@jax.org)

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

## Recovery Options – Standard Strains

### Recovery of Live Mice - \$1,095 per attempt

This price is valid for strains that can be recovered on the C57BL/6J, C3H/HeJ, DBA/2J and FVB/NJ backgrounds. A typical recovery attempt yields 10 or more mice, though no quantity is guaranteed. Weaned SPF animals are typically available 9 -12 weeks after recovery is requested.

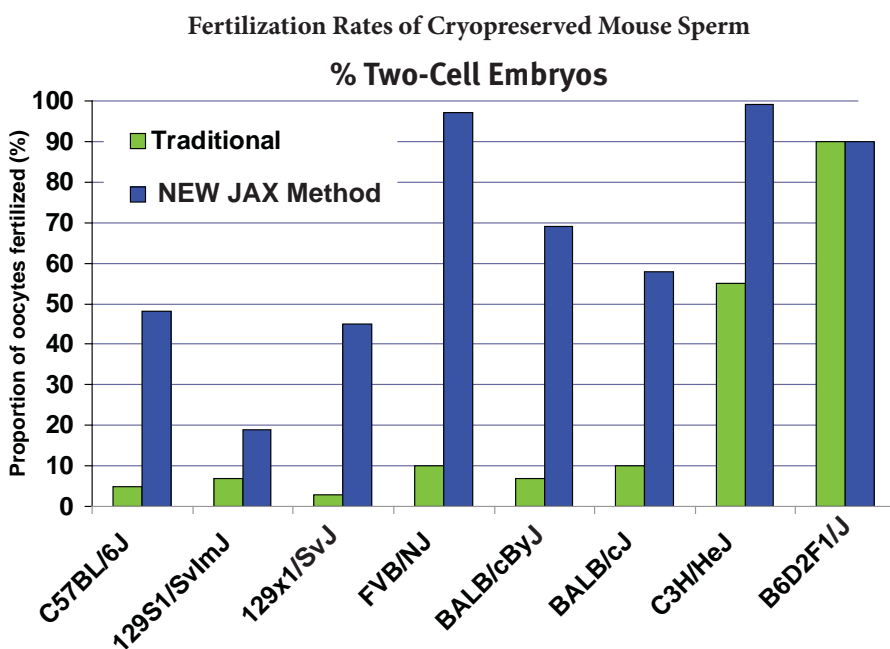
### Production of two-cell embryos - \$1,095 per attempt

This price is valid for strains that can be recovered on the C57BL/6J, C3H/HeJ, DBA/2J and FVB/NJ genetic backgrounds. We can produce, cryopreserve and ship two-cell embryos derived from cryopreserved sperm using IVF. Embryos can be produced and shipped 4 - 6 weeks from receipt of request. Typical quantity of 60+ embryos will be produced and this service includes the short-term storage of frozen embryos and all labor, materials and donor animals. If the strain has not been previously recovered to live born pups, A recovery attempt at an additional \$500 per strain prior to generation of embryos for shipment is required. Processing and handling fee, including the use of a dry shipper, is \$295 per shipment plus carrier shipping costs. Larger quantities of embryos can be produced upon request. Long term storage can be arranged for a price of \$175/year/strain.

## Sperm Cryopreservation for Additional Genetic Strain Backgrounds

Our new sperm cryopreservation service can be used to cryopreserve and recover mice and embryos carrying genetically-engineered mutations on additional backgrounds. Please inquire for pricing. We require that strains on non-standard backgrounds be recovered to live born to ensure recoverability. See below for a list of additional strains that are currently available.

Strain Name (Stock Number)
A/J (000646)
BALB/cByJ (001026)
BALB/cJ (000651)
B6C3F1/J (100010)
B6129SF1/J (101043)
CBA/J (000656)
C3HeB/FeJ (000658)
C3H/HeOuj (000635)
C3H/HeSnJ (000661)
DBA/1J (000670)
DBA/1LacJ (001140)
NOD.CB17-Prkdc <sup>scid</sup> /J (001303)
NOD/ShiLtJ (001976)
SJL/J (000686)
129S1/SvImJ (002448)
129X1/SvJ (000691)



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

04/16/07

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