

129S6/SvEv-Mos<sup>tm1Ev</sup>/J

Stock No: 002722 | mos-

 Targeted Mutation

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

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### Donating Investigator

IMR Colony, The Jackson Laboratory

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## GENETIC OVERVIEW

Genetic Background      Generation

*Mos<sup>tm1Ev</sup>*

Alele Type	Gene Symbol	Gene Name
Targeted (Null/Knockout)	<i>Mos</i>	Moloney sarcoma oncogene

VIEW GENETICS

## RESEARCH APPLICATIONS

Reproductive Biology Research  
Cancer Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

V I E W P R I C E L I S T

## Details

### Detailed Description

Mice homozygous for the *Mos*<sup>tm1Ev</sup> targeted mutation are viable. Homozygous males are fertile; the litter size of homozygous females is markedly lower than that of wild type or heterozygous mice. Eggs lacking *Mos* undergo spontaneous parthenogenetic activation (extrusion of the second polar body and pronucleus formation without fertilization). Ovarian cysts develop in homozygous females as young as one month. Some of the ovarian cysts consist of several tissue types, including possible thyroid tissue, similar to about 10% of all benign cystic teratomas in human beings.

### Development

### Control Suggestions

### Selected References

## Genetics

### *Mos*<sup>tm1Ev</sup>

## Disease/Phenotype

### Disease Terms

### Research Areas By Phenotype

### Mammalian Phenotype Terms by Genotype

### References

## Technical Support

C O N T A C T   T E C H N I C A L   S U P P O R T

### Genotyping Protocols

Standard PCR: [Mosalternate2](#)

[Genotyping resources and troubleshooting](#)

### Breeding Considerations

Homozygous males are fertile while homozygous females have reduced fertility. When maintaining a live colony, this strain is maintained by mating heterozygous siblings. Alternatively, heterozygous females can be bred with homozygous males.

[Additional Breeding and Husbandry Support](#)

### Citation

When using the mos- mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002722 in your Materials and Methods section.

### Animal Health Reports

[Facility Barrier Level Descriptions](#)

*Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, [G200](#)*

## Pricing & Availability



Cryo  
Recovery

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

### Domestic International

Pricing effective for USA, Canada and Mexico shipping destinations

#### CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
<a href="#">Cryo Recovery</a>	Heterozygous for Mos<tm1Ev>	\$2,854.50

## PAYMENT TERMS AND CONDITIONS

Terms are granted by individual review and stated on the customer invoice(s) and account statement. These transactions are payable in U.S. currency within the granted terms. Payment for services, products, shipping containers, and shipping costs

that are rendered are expected within the payment terms indicated on the invoice or stated by contract. Invoices and account balances in arrears of stated terms may result in The Jackson Laboratory pursuing collection activities including but not limited to outside agencies and court filings.

## THE JACKSON LABORATORY'S GENOTYPE PROMISE

The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. **Therefore, we cannot guarantee a strain's phenotype will meet all expectations.** To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project. We do not guarantee [breeding performance](#) and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

### Terms Of Use

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Q U E S T I O N S   A B O U T   T E R M S   O F   U S E

#### LICENSING INFORMATION

Phone: 207-288-6470

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

### Related Strains

All

By Allele

By Gene

By Collection






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# TOMORROW'S CURES



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