The Jackson Laboratory

B6.129S6-*Mos* ^{tm1Ev}/J

Stock No: **002723** | mos-

Congenic, Targeted Mutation

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

PLACE ORDER

Email Download PDF Help

Donating Investigator

IMR Colony, The Jackson Laboratory

READ MORE +

GENETIC OVERVIEW

Genetic Background	Generation
000664 C57BL/6J	

Mos^{tm1Ev}

Allele Type	Gene Symbol	Gene Name
Targeted (Null/Knockout)	*Mos*	Moloney sarcoma oncogene

VIEW GENETICS

RESEARCH APPLICATIONS

Cancer Research
Reproductive Biology Research

VIEW ALL RESEARCH APPLICATIO

BASE PRICE

Starting at:

$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

Details

Detailed Description

Mice homozygous for the *Mos*^{tm1Ev} targeted mutation are viable. Homozygous males are fertile; the littersize 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.

Control Suggestions

Selected References

Genetics

Mos^{tm1Ev}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR:Mosalternate2
Genotyping resources and troubleshooting

Breeding Considerations

Homozygous males are fertile and viable while homozygous females have reduced fertility and other reproductive abnormalities (see strain phenotype description). When maintaining a live colony, heterozygous mice may be bred together or to wildtype mice from the colony. The expected coat color from breeding is black.

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 #002723 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 **Internatio**

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Heterozygous for Mos<tm1Ev>	$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6.129S6-Mos<tm1Ev>/J Frozen Embryos	$2595.00

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

TERMS OF USE

General Terms and Conditions

QUESTIONS ABOUT TERMS OF USE

LICENSING INFORMATION

Phone: 207-288-6470
Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection