B6Ros.Cg-*Dmd* $^{mdx-5Cv}$/J

Stock No: **002379** | X linked muscular dystrophy 5, Verne Chapman

Chemically Induced Mutation, Congenic

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

in quadricep cross-sections.

Donating Investigator

Dr. Verne M. Chapman (deceased), Roswell Park Memorial Institute

READ MORE +

GENETIC OVERVIEW

Genetic Background	Generation

Dmd$^{mdx-5Cv}$

Allele Type	Gene Symbol	Gene Name
Chemically induced (ENU)	*Dmd*	dystrophin, muscular dystrophy

VIEW GENETICS

RESEARCH APPLICATIONS

Mouse/Human Gene Homologs
Neurobiology Research

VIEW ALL RESEARCH APPLICATIO

BASE PRICE

Starting at:

$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

Details

Detailed Description

Mice carrying the *Dmd*$^{mdx\text{-}5Cv}$ mutation have 10 times fewer revertants than the *Dmd*^{mdx} and *Dmd*$^{mdx\text{-}2Cv}$ strains as viewed in quadricep cross-sections. This is not attributable to genetic background or viral infections. These reversion rate differences may be attributable to differences in the location of the point mutation. The large number of revertants in *Dmd*^{mdx} mutants has complicated the analysis of gene or cell therapies. These mutants are more useful for this purpose. This strain is also hemizygous for *Hprt*^{a} and *Pgk1*^{a} (both are on the X chromosome).

Development

Control Suggestions

Selected References

Genetics

Dmd$^{mdx\text{-}5Cv}$

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Pyrosequencing:Dmd mdx-5cv
End Point Analysis:Dmd
Genotyping resources and troubleshooting

Breeding Considerations

Mdx5 is X-linked. When maintaining a live colony, homozygous females may be bred to hemizygous males.

Additional Breeding and Husbandry Support

Citation

When using the X linked muscular dystrophy 5, Verne Chapman mouse strain in a publication, please cite the originating article(s) and include JAX stock #002379 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
Cryo Recovery	X linked - Females are Heterozygous and Males are wildtype for Dmd<mdx-5Cv>	$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6Ros.Cg-Dmd<mdx-5Cv>/J Frozen Embryos	$2595.00

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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.

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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.

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Email: TechTran@jax.org

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All

By Allele

By Gene

By Collection