B6.Cg-Dmd\textsuperscript{mdx-3Cv}/J

Stock No: 002377 | X linked muscular dystrophy 3, Verne Chapman

Chemically Induced Mutation, Congenic

CRYO RECOVERY

REQUEST CRYORECOVERY

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

Also Known As: B6Ros.Cg-Dmd\textsuperscript{mdx-3Cv}/J, X linked muscular dystrophy 3, Verne Chapman

These mice carry an ENU-induced mutation characterized by a low frequency of revertants and a faint display of dystrophin immunofluorescence in skeletal sarcolemma and skeletal muscle.

Donating Investigator

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

READ MORE +

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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\textbf{Dmd}\textsuperscript{mdx-3Cv}

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemically induced (ENU)</td>
<td>Dmd</td>
<td>dystrophin, muscular dystrophy</td>
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VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research
Mouse/Human Gene Homologs

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:
Details

Detailed Description

Dmd<sup>mdx-3Cv</sup> mutant mice display faint dystrophin immunofluorescence in skeletal sarcolemma and skeletal muscle in contrast to the other mutants which show no dystrophin reactivity. This is similar to a group of human DMD patients. This mutant has a low frequency of revertants. The Dmd<sup>mdx-4Cv</sup> and Dmd<sup>mdx-5Cv</sup> strains have 10 times fewer revertants than the Dmd<sup>mdx</sup> and Dmd<sup>mdx-Cv</sup> strains as viewed in quadriceps 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<sup>mdx</sup> mutants has complicated the analysis of gene or cell therapies. These mutants are more useful for this purpose. All these strains are also hemizygous for Hprt<sup>a</sup> and Pgly<sup>a</sup> (both are on the X chromosome).

Development

Control Suggestions

Selected References

Genetics

Dmd<sup>mdx-3Cv</sup>

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support
Genotyping Protocols
Pyrosequencing: Dmd<sup>mdx-3Cv</sup>

**Genotyping resources and troubleshooting**

**Breeding Considerations**

When maintaining a live colony, these mice can be bred as homozygous females and hemizygous males (the gene is X linked).

**Additional Breeding and Husbandry Support**

**Appearance**
black
Related Genotype: a/a

**Citation**
When using the X linked muscular dystrophy 3, Verne Chapman mouse strain in a publication, please cite the originating article(s) and include JAX stock #002377 in your Materials and Methods section.

**Animal Health Reports**
Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200

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**Pricing & Availability**

![Cryo Recovery](image)

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

<table>
<thead>
<tr>
<th>Domestic</th>
<th>International</th>
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<tr>
<td>Pricing effective for USA, Canada and Mexico shipping destinations</td>
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<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Cryo Recovery</td>
<td>X linked - Heterozygous females and wildtype males for &lt;mdx-3Cv&gt;</td>
<td>$2,595.00</td>
</tr>
</tbody>
</table>

We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. **Please check genotypes which will be recovered.** While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. **Animals are typically ready to ship in 11-14 weeks.** If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order and fee will be necessary.

Cryorecovery to establish a **Dedicated Supply** for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

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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
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All

By Allele

By Gene

By Collection

All Related Strains