

C57BL/6J-*nmf63*/J

Stock No: 004468

 Chemically Induced Mutation

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

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*The Jackson Laboratory cannot guarantee that cryorecovery of strains from the discontinued NIH-funded Neuroscience Mutagenesis Facility (NMF) will be successful or that the anticipated phenotype or genotype will be obtained. The cryorecovery fee for this effort will not be refunded or prorated if the recovery is unsuccessful or is in any way unsatisfactory. Genotyping will be the responsibility of the Purchaser.*

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## GENETIC OVERVIEW

Genetic Background

Generation

*nmf63*

Alele Type

Chemically induced (ENU)

Gene Symbol

*nmf63*

Gene Name

neuroscience mutagenesis facility, 63

VIEW GENETICS

## RESEARCH APPLICATIONS

Neurobiology 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

The mutants exhibit a form of paroxysmal akinesia when suddenly disturbed in their cage. They freeze in abnormal positions for 20-30 seconds, i.e. may be crouched with head down, or lie on their side with one limb positioned stiffly at their side. When picked up by their tail, the hind limbs extend stiffly forward, the front limbs paddle swiftly. The animals recover quickly and then move about normally.

In two of three mutant EEGs, short, low amplitude ( 4 Hz spike-wave complexes; 0.5 - 1.5s, 10 - 15  $\mu$ V), were observed while the animal was awake but immobile. The frequency was about 10 times per hour, although low-amplitude single or double spikes were seen at greater frequency. The spike-wave complexes did not coincide with, although sometimes followed, episodes of intermittent movement abnormality. In one animal tested, the single spikes and spike-wave complexes were eliminated after administration of 150 mg/kg ethosuximide, i.p., suggesting that these events may represent absence seizures.

Standard pathology work-up on three mutants (57, 75 and 150 days of age) revealed thickening of the petrous temporal bone in one animal, however, serial sections of the second animal's ear showed no abnormalities. There appeared to be some gaps in the purkinje cell layer of the parafloccular lobes of the cerebellum, but the rest of the cerebellum looked normal.

### Development

## Genetics

### *nmf63*

## 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

[Genotyping resources and troubleshooting](#)

### Citation

When using the C57BL/6J-*nmf63*/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #004468 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>	Unknown for nmf63	\$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

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