

**C57BL/6-*b2b464Clo*/J**

Stock No: **013630**

 **Chemically Induced Mutation, Coisogenic**

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 G1 sperm from the Bench to Bassinet (B2B) collection 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.

Donating Investigator

Cecilia Lo, Univ of Pittsburgh School of Medicine

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## GENETIC OVERVIEW

Genetic Background

Generation

*b2b464Clo*

**Allele Type**

Chemically induced (ENU)

**Gene Symbol**

*b2b464Clo*

**Gene Name**

Mutant line 464

VIEW GENETICS

## RESEARCH APPLICATIONS

Cardiovascular Research

Developmental Biology Research

Internal/Organ 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

This undefined *b2b464Clo* mutation was identified in an ENU screen for recessive cardiovascular development phenotypes in Dr. Cecilia Lo's laboratory, NHLBI Cardiovascular Development Consortium (CvDC). It was recovered from G1 sperm and associated with the phenotype described here. Because G1 sperm were cryopreserved, additional incidental mutations are also segregating in this strain.

Homozygotes demonstrate a hypoplastic left ventricle (LV), aortic valve hypoplasia, hypoplastic aorta (AO), hypoplastic mitral valve, aortic arch hypoplasia and atrial septal defect (ASD). This strain bears a phenotypic similarity to human Hypoplastic Left Heart Syndrome (HLHS).

#### + Development

#### + Selected References

### − Genetics

#### + *b2b464Clo*

### − Disease/Phenotype

#### + Disease Terms

[+ Research Areas By Phenotype](#)

[+ Mammalian Phenotype Terms by Genotype](#)

[+ References](#)

## [- Technical Support](#)

### CONTACT TECHNICAL SUPPORT

#### Genotyping Protocols

[Genotyping resources and troubleshooting](#)

#### Breeding Considerations

Heterozygotes are viable and fertile.

[Additional Breeding and Husbandry Support](#)

#### Citation

When using the C57BL/6-*b2b464Cio*/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #013630 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>	The Jackson Laboratory cannot guarantee that cryorecovery of G1 sperm	\$2,854.50

from the Bench to Bassinet (B2B) collection 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

## RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	C57BL/6-b2b464Clo/J Frozen Embryo	\$2595.00
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## 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

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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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