

**C57BL/6J-*b2b977Clo*/J**Stock No: **013643** **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***b2b977Clo***Allele Type**

Chemically induced (ENU)

**Gene Symbol***b2b977Clo***Gene Name**

Mutant line 977

[VIEW GENETICS](#)

## RESEARCH APPLICATIONS

Cardiovascular Research

Internal/Organ Research

Developmental Biology 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 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 cardiovascular defects that involve a double outlet right ventricle (DORV), transposition of the great arteries (TGA), and myocardial non-compaction and aortic arch anomalies including interrupted aortic arch (IAA) and right aortic arch (RAA).

#### Development

#### Selected References

### Genetics

#### *b2b977Clo*

### 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 both viable and fertile.

[Additional Breeding and Husbandry Support](#)

#### Citation

When using the C57BL/6J-*b2b977C1o*/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #013643 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/6J-b2b977Clo/J Frozen Embryo	\$2595.00
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## Terms Of Use

### TERMS OF USE

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### 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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