

B6.C-H2^d/bByJ

Stock No: 000359

 Congenic, Major Histocompatibility Congenic

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

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and pathogen susceptibility from the recipient strain.

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GENETIC OVERVIEW

Genetic Background

Generation

000663 C57BL/6By

H2^d

Alele Type

Gene Symbol

Gene Name

Spontaneous

H2

histocompatibility-2, MHC

VIEW GENETICS

RESEARCH APPLICATIONS

Immunology, Inflammation and Autoimmunity Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

Details

Detailed Description

In this congenic strain, the BALB/cBy H2 complex on chromosome 17 ($H2^d$) was introgressed onto the C57BL/6By background. $H2^d$ occurs naturally in the following inbred strains: DBA/2, DBA/2J BALB/c, BALB/cByJ, BALB/cJ, C57BLKS, NZB. The $H2^d$ haplotype is d at the class I loci (K, D) and the class II loci (A, E). Mice congenic for H2 haplotypes are widely used in immunologic research and often vary in immune response and pathogen susceptibility from the recipient strain.

Development

Control Suggestions

Selected References

Genetics

$H2^d$

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

Sanger sequencing: [H2 rs50413633](#)

[Genotyping resources and troubleshooting](#)

Appearance

black

Related Genotype: *a/a*

Citation

When using the B6.C-*H2^d*/bByJ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #000359 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	Homozygous for H2<d>, 1 pair minimum	\$2,854.50

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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.

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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

Related Strains

All

By Allele

By Gene

By Collection





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TOMORROW'S CURES



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Yes No