



B 6 ; 1 2 9 ~~H b b - b^{1U/c}~~ ~~H b b - b^{2U/c}~~ J

Stock No: 003253 | B-thalassemic

Targeted Mutation



CRYORECOVERY

P L A C E O R D E R

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

Overview

Also Known As: B-thalassemic

These mice carry a double knock-out of the *Hbb-b1* and *Hbb-b2* adult B-globin genes with a phenotype similar to Cooley anemia in humans.

Donating Investigator

IMR Colony, The Jackson Laboratory

READ MORE +

GENETIC OVERVIEW

Genetic Background Generation

Hbb-b2^{tm1Unc}

Allele Type	Gene Symbol	Gene Name
Targeted (Null/Knockout)	<i>Hbb-b2</i>	hemoglobin, beta adult minor chain

Hbb-b1^{tm1Unc}

Allele Type	Gene Symbol	Gene Name
Targeted (Null/Knockout)	<i>Hbb-b1</i>	hemoglobin, beta adult major chain

VIEW GENETICS

RESEARCH APPLICATIONS

Hematological Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

Details

– Detailed Description

Homozygous mice die perinatally. Heterozygous mice show "characteristics typical of severe thalassemia" and are fertile.

+ Control Suggestions

+ Selected References

– Genetics

+ *Hbb-b2^{tm1Unc}*

+ *Hbb-b1^{tm1Unc}*

– Disease/Phenotype

+ Disease Terms

+ Research Areas By Genotype

+ Mammalian Phenotype Terms by Genotype

+ References

– Technical Support

C H A T O  F L I N E

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

Standard PCR: [Generic HPRT_Alternative](#)

Separated PCR: [Hprt](#)

Separated PCR: [Hprt](#)

Probe: [Generic HPRT Probe](#)

QPCR: [Generic HPRT Probe](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, double heterozygous mice may be bred to wildtype siblings, or to C57BL/6J inbred mice (Stock No. [000664](#)). Double homozygotes die perinatally. The expected coat colors from breeding are black and white bellied agouti.

[Additional Breeding and Husbandry Support](#)

Citation

When using the β -thalassemic mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #003253 in your Materials and Methods section.

[Animal Health Reports](#)
[Facility Barrier Level Descriptions](#)

➔ 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	GENOTYPE	PRICE
Cryo Recovery	Heterozygous or Wild-type for Hbb-b1<tm1Unc> Hbb-b2<tm1Unc>	\$2,854.50

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.

Related Products and Services

Frozen Mouse Embryo	B6;129P2-Hbb-b1<tm1Unc> Hbb-b2<tm1Unc>/J Frozen Embryos	\$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.

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➔ Terms Of Use

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[General Terms and Conditions](#)

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All

By Allele

By Gene

By Collection

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