

## B6.Cg-H2<sup>b3</sup>/FlaCmwJ

Stock No: 007958

 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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embryonic and post-natal development.

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## GENETIC OVERVIEW

Genetic Background

Generation

### Marker(s)

Marker Symbol

Marker Name

*H2*

histocompatibility-2, MHC

*Ped*

preimplantation embryo development

VIEW GENETICS

## RESEARCH APPLICATIONS

Reproductive Biology Research

Immunology, Inflammation and Autoimmunity Research

VIEW ALL RESEARCH APPLICATIONS

## BASE PRICE

Starting at:

## Details

### Important Note

This C57BL/6 strain is homozygous for the age related hearing loss mutation  $Cdh23^{ahl}$ , which on this background causes progressive hearing loss with onset after 10 months of age.

### Detailed Description

The *Qa2*, or *Ped*, complex includes four similar genes and is correlated with the rate of preimplantation embryo development.  $Qa2^{positive}$  mice are characterized by the fast *Ped* phenotype;  $Qa2^{negative}$  mice, which do not express the QA2 antigen, are characterized by the slow *Ped* phenotype. This strain, commonly known as B6.K1, is slow *Ped* or  $Qa2^{negative}$ . B6.K1 females have longer gestation times and smaller litter sizes than the control B6.K2 (Stock No. 007959) females. (Warner CM, 1993) At birth, B6.K1 pups are slightly lighter than B6.K2 pups, but they exhibit an accelerated growth, and by week 6 both male and female B6.K1 mice are significantly heavier than B6.K2 mice. (Watkins A, 2006) At 21 weeks of age, B6.K1 females exhibit elevated systolic blood pressure, and both sexes exhibit elevated serum angiotensin-converting enzyme (ACE) activity. (Watkins A, 2006)

### Development

### Control Suggestions

### Selected References

## Genetics

### H2

### Ped

## 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](#)

### Appearance

black

Related Genotype: *a/a*

### Citation

When using the B6.Cg-*H2<sup>b3</sup>*/FlaCmwJ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #007958 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>	Inbred, 1 pair minimum	\$2,854.50

## RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

B6.Cg-H2<b3>/FlaCmwJ Frozen Embryos

\$2595.00

## 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

All

By Allele

By Gene

By Collection



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# TOMORROW'S CURES



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