

CXB5/ByJ-*malf*/J

Stock No: **008260** | malformed ear

 Coisogenic, Spontaneous Mutation

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

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GENETIC OVERVIEW

Genetic Background

Generation

000355 CXB5/ByJ

malf

Alele Type

Gene Symbol

Gene Name

Spontaneous (Not Specified)

malf

malformed ear

VIEW GENETICS

RESEARCH APPLICATIONS

Developmental Biology Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

Details

Detailed Description

malf homozygotes have craniofacial defects that include primarily misplaced ears and, in some instances, significant asymmetry of the snout. The ear pinnae can be smaller than normal, misshapen, and positioned lower than normal and this can affect one or both ears. The phenotype ranges from subtle to pronounced. Of 37 mutants 28 had the left pinna affected, 8 had the right pinna affected and 1 had both affected. The parental phenotype does not appear to instruct which ear is affected. Of 117 offspring from homozygous x heterozygous or heterozygous x homozygous crosses only 39 (33%) were clearly mutant, indicative of either incomplete penetrance or partial embryonic lethality. In a mapping cross to C3H/HeSnJ only nine mutants were identified in one hundred seven F2 hybrids (8.4%). No mutants were identified in twenty-eight F2 hybrids with FVB/NJ, thirty-four F2 hybrids with CAST/EiJ, or nine F2 hybrids with A/J.

Development

Selected References

Genetics

malf

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

Some homozygotes with a twisted snout require tooth trimming due to malocclusion.

[Additional Breeding and Husbandry Support](#)

Citation

When using the malformed ear mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #008260 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	Heterozygous for malf	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	CXB5/ByJ-malf/J	\$2595.00
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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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LICENSING INFORMATION

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Email: TechTran@jax.org

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All

By Allele

By Gene

By Collection






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TOMORROW'S CURES



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