

B6.SB-Yaa/J
 Stock No: 000483
 Congenic

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

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These congenic mice carry the Y Chromosome responsible for accelerated autoimmune disease from the SB/Le strain on a C57BL/6J genetic background.

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GENETIC OVERVIEW

Genetic Background **Generation**

000664 C57BL/6J

Yaa

Allele Type

Spontaneous

Gene Symbol

Yaa

Gene Name

accelerated autoimmunity and lymphoproliferation transposition

VIEW GENETICS

RESEARCH APPLICATIONS

Immunology, Inflammation and Autoimmunity Research

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BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

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The *Yaa* gene, present on the Y chromosome in BXSB mice, is responsible for accelerated autoimmune disease. However, C57BL/6J mice carrying the *Yaa* gene do not demonstrate this autoimmune disease, and are indistinguishable from wildtype controls. A lupus-like syndrome can be seen in male F1 hybrids obtained by crossing male C57BL/6J mice carrying the *Yaa* gene with NZW females. Thus, the *Yaa* gene may not be sufficient to induce accelerated autoimmunity unless present on a susceptible genetic background.

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⊖ 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

[QPCR:Yaa Alternate1](#)

[Genotyping resources and troubleshooting](#)

Appearance

black, affected

Related Genotype: *a/a X/Yaa* (male)

black, unaffected

Related Genotype: *a/a X/X* (female)

Citation

When using the B6.SB-Yaa/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #000483 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



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Domestic International

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Homozygous for a, Y linked Hemizygous males or Wildtype females	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6.SB-Yaa/J Frozen Embryos	\$2595.00
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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

Phone: 207-288-6470
Email: TechTran@jax.org

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