

## B6.D1-*Spta1*<sup>sph-ha</sup>/BrkJ

Stock No: **000446** | B6-hemolytic anemia

 Congenic, 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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anemia.

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## GENETIC OVERVIEW

Genetic Background      Generation

*Spta1*<sup>sph-ha</sup>

Alele Type	Gene Symbol	Gene Name
Spontaneous	<i>Spta1</i>	spectrin alpha, erythrocytic 1

VIEW GENETICS

## RESEARCH APPLICATIONS

Hematological Research  
Developmental Biology Research

VIEW ALL RESEARCH APPLICATIONS

## BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

## Details

### Detailed Description

Homozygotes provide a molecular and phenotypic model of hereditary spherocytosis type 3 and a phenotypic model for hereditary spherocytosis type 1 and some aspects of sickle cell anemia. Most phenotypic assessment has been performed using F1 homozygous offspring of heterozygotes from the C57BL/6J and WB/Re congenic strains or homozygotes generated on a B6;WB segregating background. Approximately half die by 6 months of age. Homozygotes display hemolytic anemia with spherocytosis, microcytosis, reduced hematocrit, reticulocytosis, extramedullary hematopoiesis in the spleen and liver, lymphocytosis, neutrophilia, lymph node hyperlasia, and cardiac hypertrophy. Homozygotes can be identified within the first day of birth by their jaundiced color. Consequent to the underlying disorder, homozygotes are prone to developing gallstones, pneumonitis, and vaso-occlusive disease in multiple organs.

### Development

### Selected References

## Genetics

### *Spta1<sup>sph-ha</sup>*

## 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](#)

#### Citation

When using the B6-hemolytic anemia mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #000446 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>	Please inquire	\$2,854.50

## 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.

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## Terms Of Use

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### LICENSING INFORMATION

Phone: 207-288-6470

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

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## Related Strains

All

By Allele

By Gene

By Collection






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