Produced by a cross between a C57BL/6J (B6) female x an SJL/J (SJL) male. B6SJLF1/J mice are heterozygous for B6 and SJL alleles at all loci in their genome. This strain is often used in the production of transgenic mice.
**GENETIC OVERVIEW**

Genetic Background | Generation
--- | ---
C57BL/6J females (B6) and SJL/J males (SJL) | F1
(2019-05-22 00:00:00)

**RESEARCH APPLICATIONS**

Research Tools

**BASE PRICE**

Starting at:

$24.39 Domestic price for male 3-week

**Volume Pricing Available!**

for select shipping destinations

Click for Details

**Details**

These F1 (first filial generation) hybrid mice are the offspring of a cross between C57BL/6J females (B6) and SJL/J males (SJL). F1 hybrid mice are heterozygous at all loci (assuming the parental strains have different alleles), and like inbred mice they are genetically and phenotypically uniform. F1 hybrids are often used for hybrid vigor, as a background for some deleterious mutations, for tissue transplantation, to determine the mode of inheritance, to create or enhance expression of polygenic diseases, and to provide physiological buffering (present a broader array of responses to various stresses).

**Development**

**Genetics**

Currently there are no related genes or alleles for this strain.
Genotyping Protocols
Genotyping resources and troubleshooting
Hybrid mice are produced from breeding two different inbred strains together (F1) or the breeding of hybrids together (F2); no genotyping required.

Breeding Considerations
This strain is an exceptional breeder.

Additional Breeding and Husbandry Support

Appearance
agouti
Related Genotype: A/a p Tyf^p/+ + Pde6b^rd1/+ 

Citation
When using the B6SJLF1/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #100012 in your Materials and Methods section.

Animal Health Reports

Facility Barrier Level Descriptions
- AX4 (Standard)
- RB04 (Maximum)

Pricing & Availability
Sized to accommodate orders of up to 100 or more. Ask Customer Service for details.
### Live Mouse

<table>
<thead>
<tr>
<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<td>3 weeks</td>
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### Volume Pricing Details

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<tr>
<td>75</td>
<td>10% off</td>
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</table>

**Volume Pricing Program**

Quantities: Volume pricing is automatically applied when a minimum quantity per strain for a shipment is reached.

Sexes: Sexes of the same strain may be combined to reach minimum quantity levels to receive the volume pricing.

Shipment: All shipping destinations qualify.

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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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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.

[ Terms Of Use ]
Terms Of Use

General Terms and Conditions

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

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