Overview

Also Known As: B6-Chr Y¹, CSSY, B6.A-ChrX

This consomic strain carries the Y chromosome from A/J on a C57BL/6J genetic background.

PLACE ORDER

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

Genetic Overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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A chromosome substitution or consomic strain is an inbred strain with one of its chromosomes replaced by the homologous chromosome of another inbred strain. The C57BL/6J and A/J strains in this set were chosen because they differ in their susceptibility to diseases such as arthritis, asthma, atherosclerosis, cancer, several infectious diseases, inflammatory responses, and physiological, behavioral and sensory phenotypes. Chromosome substitution strain nomenclature is designated as Host Strain-Chromosome #<Donor Strain>/Laboratory code. For example, C57BL/6J-Chr1^A^NaJ carries chromosome 1 for strain A/J (A) on a C57BL/6J background, was constructed in the laboratory of Joseph Nadeau (Na) and is maintained at The Jackson Laboratory (J). Chromosome substitution strains or consomic strains can accelerate quantitative trait loci identification and mapping.
**Related Products and Services**

- **Frozen Mouse Embryo**
  - **C57BL/6J-Chr Y<A/J>/NaJ**
  - **Price:** $2595.00

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**Genotyping Protocols**

**Genotyping resources and troubleshooting**

**Appearance**
- **black**
- **Related Genotype:** a/a

**Citation**

When using the B6-Chr Y mouse strain in a publication, please cite the originating article(s) and include JAX stock #004399 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**

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**Pricing & Availability**

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

### Pricing effective for USA, Canada and Mexico shipping destinations

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<thead>
<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Y linked - Y&lt;A/J&gt;</td>
<td>$2,854.50</td>
</tr>
</tbody>
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**Related Products and Services**

- **Frozen Mouse Embryo**
  - **C57BL/6J-Chr Y<A/J>/NaJ**
  - **Price:** $2595.00
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Terms Of Use

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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains

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