Also Known As: Black 10, Black 10 J, B10, C57BL10

The C57BL/10J substrain is similar to the C57BL/6J substrain, but allelic variants have been described at the \( H9, lgh2 \) and \( Lv \) loci.
C57BL/10J mice are a valuable immunological research tool. They have a high lymphocyte phytohaemagglutinin response, a good immune response to ovalbumin, a poor response to DNP-keyhole limpet haemocyanin and are resistant to induction of passive cutaneous anaphylaxis (IgG1- and IgE-mediated). They are susceptible to immunosuppression of contact hypersensitivity by ultraviolet light, highly susceptible to TNBS-induced colitis and moderately susceptible to experimental allergic encephalomyelitis.
Genotyping Protocols
Sanger sequencing: Cdh23

Genotyping resources and troubleshooting
Inbred mouse strains are maintained through sibling (sister x brother) matings; no genotyping required.

Dietary Information
LabDiet® 5K52 formulation (6% fat)

Breeding Considerations
This strain is a challenging breeder.

Additional Breeding and Husbandry Support
Mating System
Sibling x Sibling

Appearance
black

Related Genotype: a/a

Citation
When using the C57BL/10J mouse strain in a publication, please include JAX stock #000665 in your Materials and Methods section.

Facility Barrier Level Descriptions
RB08 (Maximum)
## Pricing & Availability

Sized to accommodate orders of up to 10 or more with age range. Ask Customer Service for details.

### Domestic International

Pricing effective for USA, Canada and Mexico shipping destinations

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<thead>
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<th>AGE</th>
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<td>12 weeks</td>
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General Terms and Conditions

Terms Of Use

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

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Related Strains

**All**

**By Allele**

**By Gene**

**By Collection**

All Related Strains

1. **129S1/SvImJ**
   - Stock No: 002448 | 129S1
   - Related By: Cox7a2I

2. **A/J**
   - Stock No: 000646
   - Related By: Mx1, Mx1, Cox7a2I, Mr1T

3. **B6(Cg)-Tyr-2J/J**
   - Stock No: 000058
   - Related By: Cox7a2I, Cox7a2I

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