Overview

The BXD set of RI strains is used in the genetic analysis of numerous complex or potentially complex physiologic phenotypes. The BXD strains are derived from the C57BL/6J (Stock No. 000664) and DBA/2J (Stock No. 000671) progenitor strains.

Genetic Overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td></td>
<td>F48N5F75+10p7pF</td>
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</table>

Research Applications

Neurobiology Research
Research Tools

Base Price
Starting at:
$139.90 Domestic price for female
Detailed Description

The BXD RI strains are used to study the genetics of behavioral phenotypes including alcohol and drug addiction, stress, and locomotor activity. The BXD set of RI strains also are used in the genetic analysis of numerous complex or potentially complex physiologic phenotypes including differences in organ weight and bone mineral density.

The strain distribution pattern (SDP) for the BXD RI strains is available through the Mouse Genome Informatics Contributed Data Sets and Gene Network.

Additional tools and information are presented through the Mouse Phenome Database Specialized Strain Panel Query Form, and Gene Network.

Genetics

Currently there are no related genes or alleles for this strain.

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

Phenotype Information

References
Technical Support

Genotyping Protocols
Genotyping resources and troubleshooting

Mating System
Sibling x Sibling
Appearance
black
Related Genotype: a/a Tyrp1+/Tyrp1+ Myo5a+/Myo5a+

Citation
When using the BXD20/TyJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #000330 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions

AX10 (Standard)

Pricing & Availability

Available for Pre-order

Estimated to begin distribution on Oct 5, 2020

Domestic

Pricing effective for USA, Canada and Mexico shipping destinations

Live Mouse

<table>
<thead>
<tr>
<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tr>
<td>Approx 4-8 weeks</td>
<td>Female</td>
<td>Not Applicable</td>
<td>$139.90</td>
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<tr>
<td>Male</td>
<td>Not Applicable</td>
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Phone: 207-288-6470
Email: TechTran@jax.org

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### Related Strains

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<tr>
<th>All</th>
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<tr>
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</tr>
<tr>
<td>By Gene</td>
</tr>
<tr>
<td>By Collection</td>
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</table>

All Related Strains

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