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**

**Genetic Background**

F60p+58

(2019-10-04 00:00:00)

**RESEARCH APPLICATIONS**

Research Tools
Neurobiology Research

**BASE PRICE**

Starting at:

$139.90 Domestic price for female
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 is 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 both the BXD RI strains is available through the Mouse Genome Informatics Contributed Data Sets.

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

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

Mice of this strain are prone to seizures beginning at about 6 weeks of age. The mice recover from initial seizures, but seizures are sometimes fatal in mice older than 10 weeks. It is recommended that these mice be housed in a quiet area, away from traffic, noise and activity. Cages should be changed only as frequently as necessary, preferably by the same technician, and mice should be handled slowly and gently. Changes in diet, e.g., increasing/decreasing fat content, have not been found to eliminate seizures. The strain is currently maintained on NIH-31, 6% fat.

Additional Breeding and Husbandry Support
Mating System
Sibling x Sibling
Appearance
chocolate brown
Related Genotype: a/a Tyrp1<sup>b</sup> /Tyrp1<sup>b</sup> Myo5a<sup>a</sup> /Myo5a<sup>a</sup>

Citation
When using the BXD13/TyJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #000040 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions

FGB29 (Standard)

Pricing & Availability

Live mice available in varying quantities. Ask Customer Service for details.

Available

Live Mouse

<table>
<thead>
<tr>
<th>AGE</th>
<th>SEX</th>
<th>PRICE</th>
</tr>
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<tbody>
<tr>
<td>Approx 4-8 weeks</td>
<td>Female</td>
<td>$139.90</td>
</tr>
<tr>
<td></td>
<td>Male</td>
<td>$139.90</td>
</tr>
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</table>

Related Products and Services

Frozen Mouse Embryo | BXD13/TyJ Frozen Embryos | $2595.00 |
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

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Terms Of Use

General Terms and Conditions

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

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Related Strains

- All
- By Allele
- By Gene
- By Collection

All Related Strains