These F1 (first filial generation) hybrid mice are the offspring of a cross between BALB/cJ females (C) and C57BL/6J males (B6). Uses include hybrid vigor, as a background for deleterious mutations, to create or enhance expression of polygenic diseases, to determine the mode of inheritance, and to provide physiological buffering (present a broader array of responses to various stresses).
These F1 (first filial generation) hybrid mice are the offspring of a cross between BALB/cJ females (C) and C57BL/6J males (B6). 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.

**Disease/Phenotype**
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 a good breeder.

Additional Breeding and Husbandry Support

Appearance
agouti
Related Genotype: A/a Tyrp1<sup>b</sup>/+ Tyr<sup>f</sup>/+

Citation
When using the CB6F1/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #100007 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions
- EM02 (Maximum)
- RB11 (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>PRICE</th>
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Domestic
Pricing effective for USA, Canada and Mexico shipping destinations

International
### Volume Pricing Details

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>VOLUME PRICING</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</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

**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.

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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**