Also Known As: B6CBAF1/J

These F1 (first filial generation) hybrid mice are the offspring of a cross between C57BL/6J females (B6) and CBA/J males (CBA). Uses include hybrid vigor, as a background for deleterious mutations, to create or enhance expression of polygenic diseases, to
These F1 (first filial generation) hybrid mice are the offspring of a cross between C57BL/6J females (B6) and CBA/J males (CBA). 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).
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.

Dietary Information

LabDiet® 5K52 formulation (6% fat)

Breeding Considerations

This strain is an exceptional breeder.
Wean-aged mice may show signs of barbering that include whisker picking and hair loss. Affected mice typically regrow whiskers and hair within two weeks after weaning. Older animals may show signs of barbering that can resolve when mice are housed at reduced density or individually.

Additional Breeding and Husbandry Support

Appearance

agouti

Related Genotype: A/a Pde6b<sup>rd1</sup>/+

Citation

When using the B6CBAF1/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #100011 in your Materials and Methods section.

Animal Health Reports

- AX27 (Maximum)
- RB09 (Maximum)

Pricing & Availability

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Sized to accommodate orders of up to 100 or more. Ask Customer Service for details.
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Email: TechTran@jax.org
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