



Research Models  
and Services

Hybrid Mice

# B6CBAF1 (C57BL/6 x CBA)F1

## Origin

### B6CBAF1/OlaHsd

This F1 hybrid is a cross between C57BL/6J<sup>OlaHsd</sup> females and CBA/Ca<sup>OlaHsd</sup> males.

## Characteristics

The F1 hybrid of two inbred strains can be a useful animal for many purposes. It is genetically uniform and heterozygous for all the genes for which the two parental strains differ. F1 animals are easy to produce (hybrid vigour) and are less susceptible to environmental influences than the parent inbred strain. F1 mice will accept transplants of tissues from mice of either parental strain. The B6CBAF1 hybrid is used as pseudo-pregnant females for the production of transgenic animals.

## Genetics

Coat color genes - *a/A, B/B, C/C, D/D* :  
agouti.

Histocompatibility - *H-2<sup>b/k</sup>*.

The B6CBAF1 will be heterozygous for all the loci where the C57BL/6J and CBA/Ca differ and homozygous for all the loci where both parental strains are the same.

## Life-span

The occurrence of epithelial and non-epithelial tumors in aging mice have been described by Kawada and Ojima (1977).

## References

1. Kawada K and Ojima A. Various epithelial and non-epithelial tumors spontaneously occurring in long-lived mice of A/St, CBA, C57BL/6 and their hybrid mice. *Acta Path. Jap.* 28, 25-39.

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