

CD2F1 (BALB/c x DBA/2)F1

CD2F1/OlaHsd, CD2F1/Hsd

CD2F1/OlaHsd

This F1 hybrid is a cross between BALB/cOlaHsd females and DBA/2OlaHsd males.

CD2F1/Hsd

This F1 hybrid is a cross between BALB/cAnNHsd females and DBA/2NHsd males.

RESEARCH APPLICATIONS

Irradiation, behavior, drugs and hormones.

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.

Genetics

Coat color genes

- *A/a, b/b, c/C, D/d* : cinnamon.

Histocompatibility

- *H-2^{d/d}*

The CD2F1 will be heterozygous for all the loci where the BALB/c and DBA/2 differ and homozygous for all the loci where both parental strains are the same.

Miscellaneous

CD2F1 hybrid mice are host for L1210 and P388 leukemia.

