WILD TYPE

GENETICALLY ENGINEERED MODELS (GEM)

NATURAL MUTANTS

NATURAL IMMUNO-DEFICIENT

MICE
Hybrid

B6D2F1 Mouse

Strain name: B6D2F1/JRj

Type: Hybrid mouse

Origin: From ♀ C57BL/6JRj and ♂ DBA/2JRj (from JANVIER LABS)

Colour and related genotype:
Black mouse, a/a, Tyrp1^{b}/+, Myo5a^{d}/+
MHC: Haplotype H2$^{b/d}$

Breeding: Easy to rear, good maternal instinct

Presentation of the model

These F1 hybrids are the result of a cross between a C57BL/6JRj female and a DBA/2JRj male. F1 hybrids are heterozygous for B6 and D2 alleles at every locus (provided that the parental strains have different alleles).

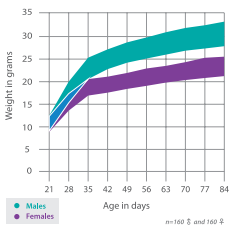
It is often used as genetic background for the creation of transgenic, knock-out and harmful phenotype models.

It is also used in behavioural studies, radiation, safety and efficacy testing for nutrients, medicine, pathogens or hormones.

Reproductive data*	
Mating: ♀ C57BL/6JRj x ♂ DBA/2JRj	
Litter size at birth	7.13
Weaning %	92
Productivity index	1.16
Sterility %	1
Gestation time	Between 18 and 20 days

* JANVIER LABS 2011 Data, for an indicative basis

Growth curve of B6D2F1 Mice *



Main application and research fields

- BEHAVIOUR
- GENETIC
- TOXICOLOGY
- TRANSGENESIS
- TRANSPLANTATION

Our added value

- The «JANVIER LABS Genetic Policy», specific programme, guarantees homozygosity of autosomal pairs
- Animals with the SPF or SOPF standards
- A gentling policy for docile and easy-to-handle animals
- Optimal stability conditions of our models during shipments, thanks to our dedicated and internal transport service
- A scientific support with a team of Veterinarians and PhD

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