



WILD TYPE



MICE
Hybrid

GENETICALLY
ENGINEERED
MODELS
(GEM)

NATURAL
MUTANTS

NATURAL
IMMUNO-
DEFICIENT

B6SJL F1 Mouse

Strain name: B6SJL F1/JRj

Type: Hybrid mouse

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

Colour and related genotype:
Agouti mouse, A/a, Tyr^c/+, p/+, Pde6b^{rd1}/+
MHC: Haplotype H2^{b/d}

Breeding: Easy to rear,
good maternal instinct



Presentation of the model

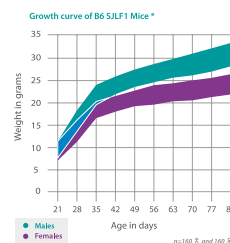
These F1 hybrids are the result of a cross between a C57BL/6JRj female and a SJL/JRj male. F1 hybrids are heterozygous at every locus (provided that the parental strains have different alleles). As is the case with inbred strains, they are genetically and phenotypically uniform.

F1 hybrids are often used for their hybrid vigour (resistance and activity). They are especially interesting as genetic background (vigour and repeatability of genetic inheritance) for harmful phenotype models, for tissue transplantation, to determine mechanisms of inheritance, to create or improve expression of polygenic disease.

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

Reproductive data*	
Mating:	♀ C57BL/6JRj x ♂ SJL/JRj
Litter size at birth	7.66
Weaning %	96
Productivity index	0.95
Sterility %	1
Gestation time	Between 18 and 20 days

* JANVIER LABS 2011 Data, for an indicative basis



Main application and research fields

GENETIC

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

JANVIER
LABS

contact@janvier-labs.com
Tel +33 (0)2 43 02 11 91
www.janvier-labs.com