RESEARCH MODELS

Rats | Mice | Other rodents

CBA Mouse

- **Strain name:** CBA/JRj
- **Type:** Inbred mouse
- **Origin:** Zentralinstitut für Versuchstierzucht (Hannover) - 1988 (F200)
- **Colour and related genotype:** Agouti mouse, *A/A* - MHC: Haplotype $H2^k$
- **Breeding:** Difficult to rear

Description of our model

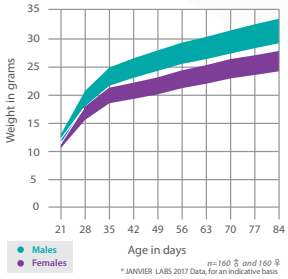
This **CBA** and its major substrains are known for their use in numerous research fields such as audition, immunology, gerontology, oncology or pharmacology. It has a few bristles on foot pads and some molars can be frequently be found absent.

The **CBA** is therefore broadly distributed, especially due its high spontaneous disease occurrence and its life-span going from 69 up to 117 weeks depending on the substrain and sex.

By crossing a DBA male with a Bagg albino female, Strong created the CBA in 1920. The descendants of this cross were both CBA and C3H. Starting from there, C3H were selected for their high mammary tumor incidence while the CBA were selected for their low tendency to develop a low incidence instead.

If the CBA has relatively good breeding performance (except for the N substrain) along with good litter sizes, it is not necessarily easy to breed. Except for the mammary tissue, it has a high gross tumor rate and incidence, and when fed lipids at a high level, CBA tend to have a low propensity to atheroma.

Growth curve of CBA/JRj Mice *



n=160 ♂ and 160 ♀
* JANVIER LABS 2017 Data, for an indicative basis

Reproductive data*	
Bigamous mating	
Litter size at birth	5.21
Weaning %	84
Productivity index	0.58
Sterility %	3
Gestation time	Between 18 and 20 days

* JANVIER LABS 2011 Data, for an indicative basis

JANVIER LABS
Rodent research models & associated services

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Main application and research fields

- Audition
- General studies
- Gerontology
- Immunology, inflammation and autoimmune disease
- Oncology
- Pharmacology

Our added value

- **The « JANVIER LABS Genetic Policy », a 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.**

The available scientific bibliography:

Research has been conducted, all over the world, from models bred in our laboratories.
Discover our updated bibliography of available studies on our Internet **website, heading: Customer Support.**

Our additional offer

Laboratory Services | Transgenic Services