



RESEARCH MODELS

Rats

Mice

Other rodents



B6 Agouti Mouse

- **Strain name:** B6(C)/Rj-A/A
- **Type:** Inbred mouse
- **Origin:** Created by JANVIER LABS in 2015, principle pair F0/N11
- **Colour and related genotype:** Agouti mouse - A/A
- **Breeding:** Good breeder

Description of our model

This strain was developed by crossing a C57BL/6NRj with a BALB/cAnNRj and the B6cF1 (carrier of the Tyr^{mut} gene) was backcrossed over 10 generations with a C57BL/6NRj genetic background. The result: an inbred mouse with a C57BL/6NRj genetic background and agouti colouring.

The **B6(C)/Rj-A/A**, therefore, has an agouti fur. This strain also possesses characteristics similar to a C57BL/6NRj, but does not carry the Nnt gene mutation, unlike the C57BL/6JRj.

The **B6(C)/Rj-A/A** is mainly used in transgenics for the creation of blastocysts intended for the reception of genetically modified ES cells by way of microinjection on mice with a C57BL/6 genetic background. This strain can also be used in immunology research, such as C57BL/6.

It is, in this case, used in the production of embryo kits, from zygotes to blastocyst stage.



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Main application and research fields

- Cardiovascular research: atherosclerosis
- Development biology, ageing
- Immunology and inflammation
- Infections
- Metabolism: obesity, diabetes, hyperglycemia, insulin resistance
- Neurobiology and neuro-sensorial research
- Oncology
- Genetic background for transgenic animals production
- Toxicology, hematology

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



Reproductive sciences



Customized breeding