



# RESEARCH MODELS

Rats

Mice

Other rodents



## Fischer F344 Rat

- **Strain name:** F344/HanZtmRj
- **Type:** Inbred rat
- **Origin:** Zentralinstitut für Versuchstierzucht (Hannover) - 2013
- **Colour and related genotype:** Albino rat - *Tyr<sup>c</sup>/Tyr<sup>c</sup>*
- **Breeding:** Easy to rear

### Description of our model

This strain, the F344, was selected by Curtis and Dunning in 1920 at the Columbia University Institute for Cancer Research. Then it was acquired by a breeder FISCHER then transmitted to Heston in 1949 and at the NIH in 1951.

**The F344** rat does not present any deficient activity of the Dipeptidyl peptidase-4 (DPP4), also known as adenosine deaminase complexing protein 2 or CD26, in contrary to other sublines.

Reproductive data*	
Monogamous mating	
Litter size at birth	7.4
Weaning %	97
Productivity index	1.27
Sterility %	2
Gestation time	Between 20 and 23 days

\* JANVIER LABS 2015 provisional Ddta, for an indicative basis



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### Main application and research fields

- Ageing
- Oncology
- Toxicology

### 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.

### 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