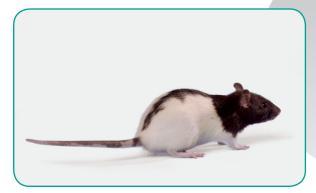


```
Rats
```

Mice

Other rodents



# LONG EVANS Rat

of 10-

Parameters

- **Strain name:** RjOrl:LE
- Type: Outbred rat
- Origin: CSAL (Orleans, from Rockland Farm) 1966
- Colour and related genotype: black hooded rat a/a, h/h
- **Breeding:** Animal with good reproductive performances but not very docile

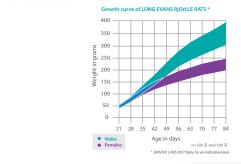
Male

Female

# Description of our model

This model was developed by Dr Long and Dr Evans in 1915. The **LONG EVANS** rat is the result of a cross between a female albino from the WISTAR Institute and a wild male (*Rattus norvegicus*) captured near Berkeley and offspring selection.

The **LONG EVANS** rat is small and resistant to oncogenesis. This strain is widely used in behavioral, learning, ageing (visual acuity less affected than that of albino strains), addiction – especially to alcohol – studies.





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## Our additional offer



Laboratory Services



### Main application and research fields

- Ageing
- Behaviour: learning, stress, locomotion, circadian rhythm, aggressiveness
- Metabolism
- Nutrition
- Toxicology: drug addiction, alcohool

#### $8.2 \pm 0.7$ Ervthrocytes (1012/I) 8.1 ± 0.2 Hematocrit (I/I) $0.52 \pm 0.05$ $0.48 \pm 0.01$ Hemoglobin (g/dl) 15.4 ± 1.1 $15.2 \pm 0.6$ Mean corpuscular volume (fl) $63 \pm 1$ $60 \pm 1$ Mean corpuscular rate (pg) $18.8 \pm 0.4$ $18.8 \pm 0.4$ Hemoglobin concentration (g/dl) $30 \pm 1$ $31 \pm 1$ Blood platelets (10%) 716 ± 203 688±141 Leukocytes (10<sup>9</sup>/l) 8.7±1.8 6.9 ± 1.0 Neutrophils (10%) $1.32 \pm 0.57$ $0.87 \pm 0.25$ Lymphocytes (10<sup>9</sup>/l) 6.80 ± 1.64 $5.49 \pm 0.88$ Eosinophils (10<sup>9</sup>/l) 0.19 ± 0.05 0.18 ± 0.06 Monocytes (10º/l) 0.20±0.07 0.15±0.04 0.09±0.02 0.09±0.04 Basophils (10%/l) of 10-week old LO Parameters Male Female Glucose (g/l) $2.9 \pm 0.7$ $2.2 \pm 0.2$ Urea (q/l) $0.5 \pm 0.1$ $0.4 \pm 0.1$ AST (ASAT) (UI/I) $129 \pm 25$ $95 \pm 14$ ALT (ALAT) (UI/I) $67\pm9$ $58\pm10$ Alkaline phosphatase (UI/I) 309 ± 26 201 ± 20 Cholesterolaemia (g/l) 0.8±0.1 0.6±0.1 Triglycerides (g/l) $1.5 \pm 0.4$ $0.9 \pm 0.4$ Creatinine (mg/l) $51 \pm 0.3$ $50 \pm 00$

Reproductive data*	
Monogamous mating according Robertson system	
Litter size at birth	10.39
Weaning %	92.4
Productivity index	2.66
Sterility %	2
Gestation time	Between 20 and 23 days

JANVIER LABS 2011 Data, for an indicative basis

# Our added value

- The « JANVIER LABS Genetic Policy », a specific programme, guarantees less than 1% inbreeding per generation.
- 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.**