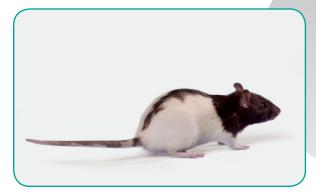


```
Rats
```

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

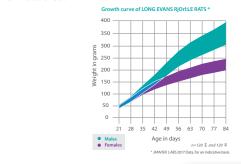
Male

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 ± 0.7 Ervthrocytes (1012/I) 8.1 ± 0.2 Hematocrit (I/I) 0.52 ± 0.05 0.48 ± 0.01 Hemoglobin (g/dl) 15.4 ± 1.1 15.2 ± 0.6 Mean corpuscular volume (fl) 63 ± 1 60 ± 1 Mean corpuscular rate (pg) 18.8 ± 0.4 18.8 ± 0.4 Hemoglobin concentration (g/dl) 30 ± 1 31 ± 1 Blood platelets (10%) 716 ± 203 688±141 Leukocytes (10⁹/l) 8.7±1.8 6.9 ± 1.0 Neutrophils (10%) 1.32 ± 0.57 0.87 ± 0.25 Lymphocytes (10⁹/l) 6.80 ± 1.64 5.49 ± 0.88 Eosinophils (10⁹/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 ± 0.7 2.2 ± 0.2 Urea (q/l) 0.5 ± 0.1 0.4 ± 0.1 AST (ASAT) (UI/I) 129 ± 25 95 ± 14 ALT (ALAT) (UI/I) 67 ± 9 58 ± 10 Alkaline phosphatase (UI/I) 309 ± 26 201 ± 20 Cholesterolaemia (g/l) 0.8±0.1 0.6±0.1 Triglycerides (g/l) 1.5 ± 0.4 0.9 ± 0.4 Creatinine (mg/l) 51 ± 0.3 50 ± 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.**