

WILD TYPE



RAT
Outbred

GENETICALLY
ENGINEERED
MODELS
(GEM)

Aged Wistar Rat

NATURAL
IMMUNO-
DEFICIENT

Strain name: RjHan:WI

Type: Outbred rat

Origin: Zentralinstitut für Versuchstierzucht (Hannover) - 1982 (from Allington Farm - UK - 1964)

NATURAL
MUTANTS

Colour and related genotype: Albino rat, Tyr^c/Tyr^c

Breeding: Good breeder



Presentation of the model

This strain was selected by DONALDSON in 1906 at the Wistar Institute (USA), from a batch belonging to Chicago University (RUSSEL-LINDSAY, 1979).

It's an outbred stock, used in all fields of medical and biological research. Its longevity and high rate of spontaneous tumours make it an ideal choice for ageing studies.

JANVIER LABS's aged WISTAR rats are males selected at weaning and kept solely for ageing. They are kept in their original barrier rooms in a controlled environment and health status.

Important notice: our aged WISTAR rats have never been used as breeders.

Organ weight as % of total body weight	Male		Female	
	1 year (56-59 weeks)	2 years (104-112 weeks)	1 year (56-59 weeks)	2 years (104-112 weeks)
Total body weight	659.1 ± 67.4	628.8 ± 88.1	333.2 ± 39.1	408.8 ± 75.8
Brain	2.29 ± 0.10	2.34 ± 0.10	2.07 ± 0.10	2.12 ± 0.09
Kidneys	3.49 ± 0.42	4.07 ± 0.77	2.32 ± 0.31	2.89 ± 0.42
Liver	12.85 ± 1.88	12.77 ± 2.46	7.25 ± 0.98	9.56 ± 2.15
Spleen	1.243 ± 0.235	1.451 ± 0.394	0.824 ± 0.201	1.033 ± 0.334
Thyroid	0.0259 ± 0.0062	0.0333 ± 0.0264	0.0193 ± 0.0043	0.0265 ± 0.0228
Thymus	0.218 ± 0.113	0.363 ± 2.065	0.169 ± 0.071	0.219 ± 0.875
Heart	1.85 ± 0.24	2.10 ± 0.29	1.21 ± 0.13	1.58 ± 0.22

BAYER CROPSCIENCES 2012 Data as indicative basis



Main application and research fields

GERONTOLOGY

METABOLISM, NUTRITION

ONCOLOGY

PHYSIOLOGY

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