

WILD TYPE



RAT
Mutant

GENETICALLY
ENGINEERED
MODELS
(GEM)

NATURAL
IMMUNO-
DEFICIENT

NATURAL
MUTANTS

Wistar Kyoto Rat

Strain name: WKY/KyoRj

Type: Inbred rat

Origin: CSAL (Orléans, from Kyoto University, 1971) - 1978

Colour and related genotype:

Albino rat - a/a, B/B, Tyr^c/Tyr^c, h/h
¹MHC: RT1^{lv2} - Erythrocyte antigens:
 RT2^a, RT8^b - Lymphocyte antigens:
 RT6^b, RT7^a

Breeding: High level of sterility, animal easy to rear



Presentation of the model

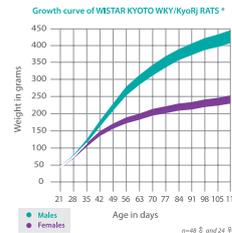
In 1960, Okamoto at Kyoto University selected Wistar rats based on the expression of spontaneous hypertension.

At the same time, Wistar animals with "normal" blood pressure were selected to be used as a same-genetic-background normotensive control of the Spontaneously Hypertensive rats.

The WISTAR KYOTO strain is an inbred strain.

Reproductive data*	
Monogamous mating	
Litter size at birth	8.79
Weaning %	95
Productivity index	1.1
Sterility %	7
Gestation time	Between 20 and 23 days

* JANVIER LABS 2011 Data, for an indicative basis



Main application and research fields

BEHAVIOUR

NORMOTENSIVE CONTROL FOR SHR RAT

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