



# Research Models and Services

**Outbred Rabbits** 

## New Zealand White

### Origin

The colony was established in 1973, using donor females selected from three commercial UK sources of New Zealand White rabbits.

#### Hsdlf:NZW

To Harlan Laboratories through acquisition of Interfauna. Harlan became Envigo in 2015.

#### **Characteristics**

New Zealand White rabbits are very docile. This outbred stock is used in dermatological, ophthalmological and toxicological studies, especially reproductive toxicology. Also commonly used in many other areas of biomedical research. Bile-duct ligation-included liver fibrosis has been described by Kanter and Yener (2001).

#### Genetics

Coat colour genes - albino.

Other genes are variable (outbred stock).

#### References

- Burns KF and De Lannoy CW (1966) Compendium of normal blood values of laboratory animals, with indication of variations. I. Random-sexed populations of small animals. Toxicol. Appl. Pharmacol. 8, 429-437.
- Cave DR, Mitchell DN Brooke BN (1975) Experimental animal studies of the etiology of Crohn's disease. Gastroenterology 69, 618-625.
- Fennestad KL (1985) Pathogenetic observations of pleural effusion disease in rabbits. Arch. Virol. 84, 163-174.
- 4. Hinton M (1979) Post mortem survey of diseases in young rabbits. Vet. Rec. 104, 53-54.
- 5. Jilge B, Kuhnt B, Landered W and Rest R (2001) Circadian temperature rhythms in rabbit
- 6. Kanter M and Yener Z (2001) A rabbit model for liver fibrosis. Scand. J. Lab. Anim. Sci. 28, 213-216
- 7. Manning PJ, Ringler DH and Newcomer CE (1994) The biology of the laboratory rabbit. Academic Press, Inc.
- McEwan Jenkinson D (1970) The distribution of nerves, monoamine oxidase and cholinesterase in the skin of the guinea-pig, hamster, mouse, rabbit and rat. Res. Vet. Sci. 11, 60-72.
- 9. Moore VL, Hensley GT and Fink JN (1975) An animal model of hypersensitivity pneumonitis in the rabbit. J. Clin. Invest. 56, 937-944
- Mortenson A and Frandsen H (1996) Reproductive performance and changes in blood lipids in breeding females and in growing Watanabe Heritable Hyperlipidaemic and New Zealand White rabbits. Lab. Anim. 30, 252-259.
- Shore B and Shore V (1976) Rabbits as a model for the study of hyperlipoproteinemia and atherosclerosis. In Atheriosclerosis drug recovery. (Day CE, ed). Plenum Publishing Cooperation.
- Sundberg JP, Jung RE and El Shazly MO (1985) Oral papillomatosis in New Zealand white rabbits. J. Am. Vet. Res. 46, 664-668.
- Toofanian F and Targowski S (1983) Experimental production of rabbit mucoid enteritis. Am. J. Vet. Res. 44, 705-708.

