

Competitive ELISA kit for the detection of anti-pr-E antibodies in multiple species.

The monoclonal antibody used in the kit cross-reacts with other Japanese Encephalitis viruses and the tick-borne encephalitis virus.

- **Highly sensitive and specific** detection of WNV antibodies
- **Applicable to multiple species**, including horses, birds and others. For research use only on human samples: see References (*).
- **Rapid and convenient protocol**, with ready-to-use reagents and results in just over 2 hours

SPECIFICATIONS

Method	Competitive ELISA
Species	Multiple species, including birds, horses and others. For research use only on human samples: see References (*).
Specimens	Serum or plasma
Coated antigen	pr-E antigen
Conjugate	Anti-pr-E-HRP conjugate (concentrated 10X)

ORDERING INFORMATION

Product code	WNC-1P	WNC-2P
Kit format	1 plate	2 plates
Reactions	96	192
Plate format	12 x 8-well strips	12 x 8-well strips

REFERENCES

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- OIE Terrestrial Manual 2009; 2.1.20; **West Nile Fever**.

Horses

- Van Maanen, Kees et al. **Surveillance of West Nile Virus incursions in the Netherlands: Validation of antibody detecting ELISAs in horses**. Oral presentation at the 2010 Epizone meeting in Saint Malo, France.
- Wernery, U. et al. **West Nile Fever in the United Arab Emirates**. Wildlife in the Middle East. Vol. 2, Issue 3, December 2007.
- Ziegler et al. **Monitoring of West Nile Virus Infections in Germany**. Zoonoses and Public Health 59 (Suppl. 2) (2012) 95-101.

Birds

- Diaz-Sanchez, S. et al. **Use of a multispecies competitive ELISA for investigation of exposure to West Nile virus in multiple species of captive and wild birds**. Presented at the WAVLD meeting, Madrid 2009.
- Garcia-Bocanegra et al. **Serosurvey of West Nile Virus and Other Flaviviruses of the Japanese Encephalitis Antigenic Complex in Birds from Andalusia, Southern Spain**. Vector-Borne and Zoonotic Diseases. Volume 11, Number 0, 2011.
- Ziegler et al. **Pathogenesis of West Nile virus lineage 1 and 2 in experimentally infected large falcons**. Vet. Microbiol. (2012), <http://dx.doi.org/10.1016/j.vetmic.2012.07.041>.
- Yipici et al. **Serologic Investigation for West Nile Virus Infection in Commerical Domestic Chickens (Gallus gallus domesticus)**. Journal of Animal and Veterinary Advances 11 (13):221-2214,2012

Other species

- Lan et. al. 2011. **Serological evidence of West Nile virus in dogs and cats in China**. Arch Virol (2011) 156:893-895.
- (*) Niczyporuk J.,1 Samorek-Salamonowicz E. et al. (2015) **Occurrence of West Nile Virus Antibodies in Wild Birds, Horses, and Humans in Poland**. BioMed Research International vol 2015, Article ID 234181

More external references available upon request.

ASSOCIATED PRODUCTS

West Nile IgG positive freeze-dried serum

Product code	MRI-WN
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Format	1 ml vial (freeze-dried)
Description	Freeze-dried positive horse serum to be used as internal reference material for quality control.