

# RNA and DNA purification products from MACHEREY-NAGEL

*RNA and DNA isolation for veterinary diagnostics*

*One kit for all isolations*

**NucleoMag<sup>®</sup> VET**



**Purification of viral RNA/DNA and bacterial DNA**

**Magnetic-bead based isolation**

**Highly sensitive and reliable downstream applications**

**... one kit for common veterinary sample materials**

**MACHEREY-NAGEL**

[www.mn-net.com](http://www.mn-net.com)



*Since 1911*

**NucleoMag<sup>®</sup> VET**

# NucleoMag® VET

For purification of viral nucleic acids and bacterial DNA

Select sample-specific pre-lysis procedure

Nucleic acid isolation with universal NucleoMag® VET protocol

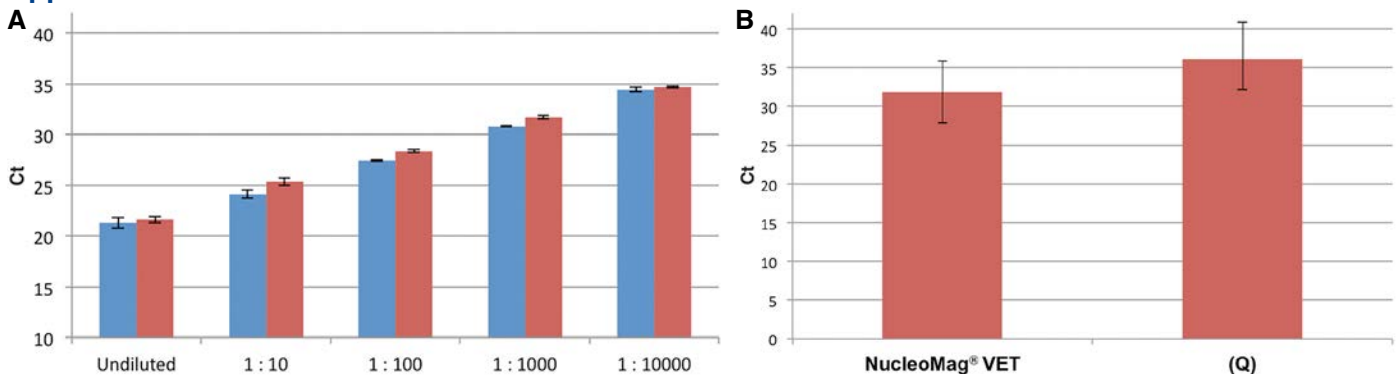
Downstream detection system

The NucleoMag® VET kit provides purification of viral nucleic acids and bacterial DNA from common veterinary samples. Nucleic acids are easily purified from samples such as whole blood, serum, plasma, tissue homogenates, ear notches, and swabs. A sample-specific pre-lysis procedure is recommended followed by an universal purification protocol based on magnetic-bead technology.

## Product at a glance

<b>Technology</b>	<b>Magnetic-bead technology</b>
Processing	Automated or manual
Sample material	Animal whole blood and plasma/serum (200 µL), ear notches, tissue (10–30 mg), swabs, feces (500 µL)
Fragment size	300 bp–approx. 50 kbp
Elution volume	50–100 µL

## Application data



### Sensitive detection of viral RNA and DNA from animal samples.

(A) For purifications, serum samples from PRRSV (blue) and PCV2 (red) positive animal samples were diluted 10-fold. Viral RNA (PRRSV) or viral DNA (PVC2) were isolated from 200 µL blood serum sample using NucleoMag® VET kit. Purified RNA (PRRSV) was analyzed using Real-time Multiplex RT-PCR (VIROTYPE PRRSV, LDL). Purified DNA (PVC2) was analyzed using Real-time PCR (PCV2 Primer). Data was generated in co-operation IVD GmbH Hanover, Germany.

(B) PCV2 positive animal tissue samples (n=22, 20 mg each) were used for viral DNA purification using indicated kits. Purified viral DNA was analyzed by Real-Time PCR (PCV2 Primer). Out of 22 samples 20 (MN) or 14 (Q) samples were tested positive with Ct mean values shown in the graph. Data kindly provided by Italian customer.

## Ordering information

Product	Preps	REF
NucleoMag® VET	1 x 96 / 4 x 96	744200.1 / .4

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