

**ePure Viral Nucleic Acid Extraction Kit**

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**Certificate of Analysis****Product Name:** ePure Viral Nucleic Acid Extraction Kit**Catalogue Number:** E2003**LOT Number:** 204917**Quality Control****Passed****Magnetic Beads**

The Magnetic bead binding capacity was tested by determined the recovery obtained with 100 bp. and 600 bp. DNA fragment. The recovery should be greater than 80%

**Proteinase K activity**

One unit is defined as the amount of enzyme that will be liberate 1  $\mu$ mol tyrosine from casein per min at 37 °C and pH 7,5

**Buffers**

Conductivity and pH of buffers were tested to be within the range below

Buffers	Conductivity (mS/cm)	pH
Lysis buffer 1	20 – 25 (1/10 dilution)	4,5 – 6,2
Binding buffer 1	1,0 – 2,4	7,2 – 8,2
Wash buffer 1	50,6 – 60,0	7,5 – 7,8
Wash buffer 2	35 – 41	7,6 – 8,2
Wash buffer 3	35 – 41	7,8 – 8,2
Elute buffer	0,45 – 0,62	7,8 – 8,2

**Carrier RNA**

Molecular weight: 100 – 500 kD

2,3  $\mu$ mol/mg Poly (A) (from absorbance) in relation to one mononucleotide unit. Chromatographically homogeneous.

**Quality Control****Passed****Performance**

Using DNA and RNA virus to check the difference between lots. Analysis by qPCR, the variation should be below 1 Ct

**Storage conditions**

ePure Viral Nucleic Acid Extraction Kit should be store at room temperature (15 – 25 °C). Storage at higher temperature should be avoided.

