



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:** 251404A

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 μ 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



Carrier RNA

Molecular weight: 100 – 500 kD

2,3 μ 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.

Quality Assurance