

**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:** 242205D**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 |

**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.



Quality Assurance