

ePure Blood DNA Extraction Kit 200

Date of issue 25.06.2024

Certificate of Analysis**Product Name:** ePure Blood DNA Extraction Kit 200**Catalogue Number:** E2001**LOT Number:** 241706**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 μmol 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	17 – 25,6 (1/10 dilution)	4,5 – 5,5
Binding buffer 1	1,0 – 2,5	7,5 – 7,9
Wash buffer 1	80 – 120	7,0 – 7,5
Wash buffer 2	35 – 41	7,5 – 8,2
Wash buffer 3	35 – 41	7,5 – 8,2
Elute buffer	0,5 – 0,7	7,8 – 8,3

**Carrier RNA**

Molecular weight: 100 – 500 kD
2,3 $\mu\text{mol/mg}$ Poly (A) (from absorbance) in relation to one mononucleotide unit. Chromatographically homogeneous.

**Performance**

Using fresh whole blood sample to check the difference between lots. Analysis by spectrophotometer and agarose gel electrophoresis, the variation should be below 10%

**Storage conditions**

ePure Blood DNA Extraction Kit should be stored at room temperature (15 – 25 °C). Storage at higher temperature should be avoided.



Quality Assurance