

**ePure Blood DNA Extraction Kit 200**

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**Certificate of Analysis****Product Name:** ePure Blood DNA Extraction Kit 200**Catalogue Number:** E2001**LOT Number:** 252208A**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   | 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  $\mu$ 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