

ePure Forensic DNA Extraction Kit

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Certificate of Analysis**Product Name:** ePure Forensic DNA Extraction Kit**Catalogue Number:** E2010**LOT Number:** 214502A**Quality Control****Passed****Magnetic Beads**

The Magnetic bead binding capacity was tested by whole blood or DNA virus As samples to check the difference between lots, the variation should meet our standards

**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 – 38 (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 A	35 – 41	7,5 – 8,2	
Wash buffer B	35 – 41	7,8 – 8,3	
Elute buffer	0,5 – 0,7	7,8 – 8,3	

Carrier RNA**Performance**

Using dried blood spot smaple to check the difference between lots. Analysis by PCR and spectrophotometer, the variation should be below 10%

**Storage conditions**

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



Quality Assurance