

ePure STD DNA Extraction Kit

Date of issue 20.02.2023

Certificate of Analysis**Product Name:** ePure STD DNA Extraction Kit**Catalogue Number:** E2007**LOT Number:** 214932B**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 **Passed****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 **Passed****Buffers**

Conductivity and pH of buffers were tested to be within the range below

Buffers	Conductivity (mS/cm)	pH	Result
Lysis buffer	20 – 35 (1/10 dilution)	4,5-5,5	Passed
Binding buffer	1,0 – 2,5	7,5-7,9	Passed
Wash buffer 1	80 – 120	7,0-7,5	Passed
Wash buffer A	35 – 41	7,5-8,2	Passed
Wash buffer B	35 – 41	7,5-8,2	Passed
Elute buffer	0,5-0,7	7,8-8,3	Passed

PerformanceUsing liver tissue sample to check the difference between lots. Analysis by spectrophotometer and agarose gel electrophoresis, the variation should below 10% **Passed****Storage conditions**

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



Quality Assurance