

**ePure STD DNA Extraction Kit**

Date of issue 1. 9.2023

**Certificate of Analysis****Product Name:** ePure STD DNA Extraction Kit**Catalogue Number:** E2007**LOT Number:** 231007A**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  $\mu$ 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

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

**Performance**

Using 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