

**ePure Bacterial DNA Extraction Kit**

Date of issue 02.04.2024

**Certificate of Analysis****Product Name:** ePure Bacterial DNA Extraction Kit**Catalogue Number:** E2006**LOT Number:** 231005C**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 µmol tyrosine from casein per min at 37 °C and pH 7,5 **Passed**  
Activity ≥ 30 mAnsosnU/mg**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 3	144 – 148	5,1-5,8	<b>Passed</b>
Binding buffer 1	1,0 – 1,4	7,0-8,0	<b>Passed</b>
Wash buffer 1B	46 – 49	5,4-6,2	<b>Passed</b>
Wash buffer A	0,022 – 0,038	7,4-7,9	<b>Passed</b>
Wash buffer B	0,022 – 0,038	7,4,7,9	<b>Passed</b>
Elute buffer	0,30 – 0,045	7,9-8,2	<b>Passed</b>
BL2B buffer	1,25 – 1,35	8,4-8,8	<b>Passed</b>

**Performance**Using E. coli sample to check the difference between lots. Analysis by Nanodrop 2000 UV-Vis spectrophotometer, the variation should be within ±10% **Passed****Storage conditions**

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



Quality Assurance