

 ECOLI	Certificate of Analysis	Page 1
ePure Bacterial DNA Extraction Kit		Date of issue 15.04.2026

Certificate of Analysis

Product Name: ePure Bacterial DNA Extraction Kit

Catalogue Number: E2006

LOT Number: 251515C

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**
Activity $\geq$ 30 mAnsosnU/mg

Buffers

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

Buffers	Conductivity (mS/cm)	pH	Result
Lysis buffer 3	144 – 148	5,1-5,8	Passed
Binding buffer 1	1,0 – 1,4	7,0-8,0	Passed
Wash buffer 1B	46 – 49	5,4-6,2	Passed
Wash buffer A	0,022 – 0,038	7,4-7,9	Passed
Wash buffer B	0,022 – 0,038	7,4,7,9	Passed
Elute buffer	0,30 – 0,045	7,9-8,2	Passed
BL2B buffer	1,25 – 1,35	8,4-8,8	Passed

Performance

Using E. coli sample to check the difference between lots. Analysis by Nanodrop 2000 UV-Vis spectrophotometer, the variation should be within $\pm 10\%$ **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