

CERTIFICATE OF ANALYSIS

EN0362 Uracil-DNA Glycosylase

Packaging Lot: 00859483

Expiry Date: 31.12.2023 (DD.MM.YYYY)

Storage: at -20±5°C

Filling lots for components in package:

Lot	Quantity	Description
00857135	5 x 0.2 kU	Uracil-DNA Glycosylase
00854860	2 x 1 mL	10X Reaction Buffer for DNA Glycosylase

QUALITY CONTROL

Parameter	Method	Requirement	Result
Concentration	One unit of the enzyme catalyzes the release of 1 nmol of uracil from uracil-containing DNA template in 60 minutes at 37 °C.	0.9 - 1.3 U/μL	Conforms
Endo-, Exodeoxyribonuclease and phosphatases	Incubation of single stranded and double stranded labeled oligonucleotides with Uracil-DNA-Glycosylase.	Not detectable	Conforms
Endodeoxyribonucleases (nicking activity)	Incubation of supercoiled plasmid DNA with Uracil-DNA Glycosylase.	Not detectable	Conforms
Ribonucleases	Incubation of [3H]-RNA with Uracil-DNA Glycosylase.	Not detectable	Conforms

ISO CERTIFICATION

Manufactured by Thermo Fisher Scientific Baltics UAB, in compliance with ISO 9001 and ISO 13485 certified quality management system.

Quality authorized by QC: **J. Žilinskienė**

