

be INSPIRED *drive* DISCOVERY *stay* GENUINE

240 County Road Ipswich, MA 01938-2723 Tel 978-927-5054 Fax 978-921-1350 www.neb.com info@neb.com

New England Biolabs Certificate of Analysis

Product Name:	Uracil-DNA Glycosylase (UDG)
Catalog Number:	M0280L
Concentration:	5,000 U/ml
Unit Definition:	One unit is defined as the amount of enzyme that catalyzes the release of 60 pmol of uracil per minute from double-stranded, uracil-containing DNA. Activity is measured by release of [³ H]-uracil in a 50 μl reaction containing 0.2 μg DNA (10 ⁴ -10 ⁵ cpm/μg) in 30 minutes at 37°C.
Lot Number:	10040497
Expiration Date:	03/2021
Storage Temperature:	-20°C
Storage Conditions:	50 mM KCl , 10 mM Tris-HCl (7.4), 1 mM DTT , 0.1 mM EDTA , 50 % Glycerol , 100 μg/ml BSA
Specification Version:	PS-M0280S/L v1.0

Uracil-DNA Glycosylase (UDG) Component List				
NEB Part Number	Component Description	Lot Number	Individual QC Result	
M0280LVIAL	Uracil-DNA Glycosylase (UDG)	10040498	Pass	
B0280SVIAL	UDG Reaction Buffer	0011807	Pass	

Lot # 10040497
Pass
Pass
Pass





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Assay Name/Specification	Lot # 10040497
Endonuclease Activity (Nicking)	Pass
A 50 µl reaction in NEBuffer 1.1 containing 1 µg of supercoiled PhiX174 DNA and a	
minimum of 50 units of Uracil-DNA Glycosylase (UDG) incubated for 4 hours at 37°C	
results in <10% conversion to the nicked form as determined by agarose gel	
electrophoresis.	

This product has been tested and shown to be in compliance with all specifications.

dauren Higgins

Lauren Sears Higgins Production Scientist 20 Mar 2019

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Michael Tonello Packaging Quality Control Inspector 20 Mar 2019

