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New England Biolabs Certificate of Analysis

Product Name: Dpnl
Catalog Number: R0176S
Concentration: 20,000 U/ml

Unit Definition: One unit is defined as the amount of enzyme required to digest 1 µg

of pBR322 DNA (dam methylated) in 1 hour at 37°C in a total reaction

volume of 50 μl.

Packaging Lot Number: 10163503
Expiration Date: 07/2024
Storage Temperature: -20°C

Storage Conditions: 400 mM NaCl, 10 mM Tris-HCl (pH 7.4), 1 mM DTT, 0.1 mM EDTA, 50%

Glycerol, 200 μg/ml BSA

Specification Version: PS-R0176S/L v1.0

DpnI Component List				
NEB Part Number	Component Description	Lot Number	Individual QC Result	
R0176SVIAL	DpnI	10154661	Pass	
B7024AVIAL	Gel Loading Dye, Purple (6X)	10161525	Pass	
B6004SVIAL	rCutSmart™ Buffer	10161524	Pass	

Lot # 10163503
Pass
Pass
Pass
Pass
rass



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Assay Name/Specification	Lot # 10163503
a minimum of 20 units of DpnI incubated for 4 hours at 37°C results in <10% conversion to the nicked form as determined by agarose gel electrophoresis.	
Protein Purity Assay (SDS-PAGE) Donl is >95% pure as determined by SDS PAGE analysis using Coomassie Blue detection.	Pass

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.

Jianying Luo Production Scientist

11 Jul 2022

Michael Tonello

Packaging Quality Control Inspector

04 Oct 2022



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