

New England Biolabs Certificate of Analysis

Product Name: RNase 4 Digestion and 3' End Repair Mix
Catalog Number: M1288L
Packaging Lot Number: 10263025
Expiration Date: 10/2026
Storage Temperature: -20°C
Specification Version: PS-M1288S/L v1.0
Composition (1X): 10 mM Tris-HCl, 50 mM KCl, 1 mM DTT, 0.1 mM EDTA, 50% Glycerol, 200 µg/ml rAlbumin, 0.1 µM ATP, T4 Polynucleotide Kinase, RNase 4 (pH 7.4 @ 25°C)

RNase 4 Digestion and 3' End Repair Mix Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M1288LVIAL	RNase 4 Digestion and 3' End Repair Mix	10260975	Pass
B6001SVIAL	NEBuffer™ r1.1	10241732	Pass

Assay Name/Specification	Lot # 10263025
<p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in RNase 4 Digestion and 3' End Repair Mix and meet the designated specifications.</p>	Pass
<p>Functional Testing (RNA Digestion and 3' End Repair) A 20 µl reaction in NEBuffer™ r1.1 containing 200 pmol of RNA substrate with a single U/A cut site and 1 µl of RNase 4 Digestion and 3' End Repair Mix incubated at 37°C for 60 minutes results in >85% cleavage of the substrate and >85% 3' end repair activity as determined by capillary electrophoresis. End repair activity is assessed by relative measurement of conversion from 3'-phosphorylated to 3'-OH RNA oligonucleotide products.</p>	Pass

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

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09 Oct 2024



Michael Tonello
Packaging Quality Control Inspector
23 Oct 2024