

New England Biolabs Certificate of Analysis

Product Name: *Nuclease P1*
Catalog Number: *M0660S*
Concentration: *100,000 U/ml*
Unit Definition: *One unit is defined as the amount of enzyme required to liberate 1.0 µg of acid soluble nucleotides from Torula Yeast total RNA per min at 37°C in 1X Nuclease P1 Buffer.*
Packaging Lot Number: *10116067*
Expiration Date: *08/2023*
Storage Temperature: *-20°C*
Storage Conditions: *25 mM Tris-HCl, 50 mM NaCl, 1 mM ZnCl₂, 50% Glycerol, (pH 7.2 @ 25°C)*
Specification Version: *PS-M0660S v1.0*

Nuclease P1 Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M0660SVIAL	Nuclease P1	10116066	Pass
B0660SVIAL	10X Nuclease P1 Buffer	10119096	Pass

Assay Name/Specification	Lot # 10116067
Protein Purity Assay (SDS-PAGE) Nuclease P1 is ≥ 95% pure as determined by SDS-PAGE analysis using Coomassie Blue detection.	Pass
Protease Activity (SDS-PAGE) A 20 µl reaction in 1X CutSmart® Buffer containing 24 µg of a standard mixture of proteins and a minimum of 100 units of Nuclease P1 incubated for 18 hours at 37°C, results in no detectable degradation of the protein mixture as determined by SDS-PAGE with Coomassie Blue detection.	Pass

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

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Alicia Bielik
Production Scientist
28 Sep 2021



Michael Tonello
Packaging Quality Control Inspector
28 Sep 2021