

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: *10256212*
Expiration Date: *08/2026*
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	10253883	Pass
B0660SVIAL	10X Nuclease P1 Buffer	10245465	Pass

Assay Name/Specification	Lot # 10256212
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
Protein Purity Assay (SDS-PAGE) Nuclease P1 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.

Beth M. Paschal

Beth Paschal
Production Scientist
19 Aug 2024

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
22 Aug 2024