

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: 10063072
Expiration Date: 10/2021
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 | 10055154 | Pass |
| B0660SVIAL | 10X Nuclease P1 Buffer | 10063073 | Pass |

| Assay Name/Specification | Lot # 10063072 |
|--|----------------|
| 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.

Beth M. Paschal

Beth Paschal
Production Scientist
17 Oct 2019

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
03 Feb 2020