

New England Biolabs Product Specification

<i>Product Name:</i>	<i>Nuclease P1</i>
<i>Catalog #:</i>	<i>M0660S</i>
<i>Concentration:</i>	<i>100,000 units/ml</i>
<i>Unit Definition:</i>	<i>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.</i>
<i>Shelf Life:</i>	<i>24 months</i>
<i>Storage Temp:</i>	<i>-20°C</i>
<i>Storage Conditions:</i>	<i>25 mM Tris-HCl, 50 mM NaCl, 1 mM ZnCl₂, 50% Glycerol, (pH 7.2 @ 25°C)</i>
<i>Specification Version:</i>	<i>PS-M0660S v1.0</i>
<i>Effective Date:</i>	<i>10 Aug 2018</i>

Assay Name/Specification (minimum release criteria)

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.

Protein Purity Assay (SDS-PAGE) - Nuclease P1 is ≥ 95% pure as determined by SDS-PAGE analysis using Coomassie Blue detection.



Date 10 Aug 2018

Derek Robinson
Director of Quality Control

