

New England Biolabs Product Specification

<i>Product Name:</i>	<i>Enterokinase, light chain</i>
<i>Catalog #:</i>	<i>P8070S/L</i>
<i>Concentration:</i>	<i>16,000 units/ml</i>
<i>Unit Definition:</i>	<i>1 unit is defined as the amount of enzyme required to cleave 25 ug of a MBP-EK-paramyosin-ΔSal substrate to 95% completion in 16 hours at 25°C in a total reaction volume of 25 μl.</i>
<i>Shelf Life:</i>	<i>12 months</i>
<i>Storage Temp:</i>	<i>-20°C</i>
<i>Storage Conditions:</i>	<i>20 mM Tris-HCl, 200 mM NaCl, 2 mM CaCl₂, 50 % Glycerol, (pH 7.2 @ 4°C)</i>
<i>Specification Version:</i>	<i>PS-P8070S/L v1.0</i>
<i>Effective Date:</i>	<i>10 Jun 2016</i>

Assay Name/Specification (minimum release criteria)

Protease Activity (Non-Specific, SDS-PAGE) - A 20 μl reaction in 20 mM Tris-HCl, 50 mM NaCl, 2 mM CaCl₂ (pH 8.0 @ 25°C) containing 6 μg of a standard mixture of proteins and a minimum of 16 units of Enterokinase was incubated for 16 hours at 25°C. After incubation, >90% of the protein mixture remains intact as determined by SDS-PAGE with Coomassie Blue detection.



Date 10 Jun 2016

Derek Robinson
Director of Quality Control

