

## New England Biolabs Certificate of Analysis

**Product Name:** *Enterokinase, light chain*  
**Catalog Number:** *P8070L*  
**Concentration:** *16,000 U/ml*  
**Unit Definition:** *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.*  
**Packaging Lot Number:** *10136982*  
**Expiration Date:** *09/2022*  
**Storage Temperature:** *-20°C*  
**Storage Conditions:** *20 mM Tris-HCl, 200 mM NaCl, 2 mM CaCl<sub>2</sub>, 50 % Glycerol, (pH 7.2 @ 4°C)*  
**Specification Version:** *PS-P8070S/L v1.0*

Enterokinase, light chain Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P8070LVIAL	Enterokinase, light chain	10122125	Pass

Assay Name/Specification	Lot # 10136982
<b>Protease Activity (Non-Specific, SDS-PAGE)</b> A 20 μl reaction in 20 mM Tris-HCl, 50 mM NaCl, 2 mM CaCl <sub>2</sub> (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.	<b>Pass</b>

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

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16 Feb 2022



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