

## 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- $\Delta$ Sal substrate to 95% completion in 16 hours at 25°C in a total reaction volume of 25  $\mu$ l.  
**Lot Number:** 10048160  
**Expiration Date:** 07/2020  
**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

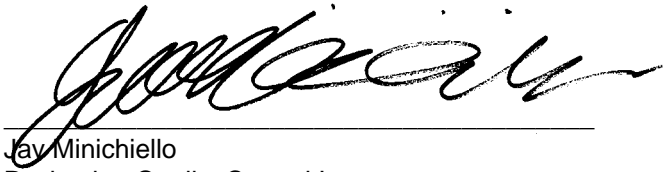
NEB Part Number	Component Description	Lot Number	Individual QC Result
P8070LVIAL	Enterokinase, light chain	10048161	Pass

Assay Name/Specification	Lot # 10048160
<b>Protease Activity (Non-Specific, SDS-PAGE)</b> A 20 $\mu$ l reaction in 20 mM Tris-HCl, 50 mM NaCl, 2 mM CaCl <sub>2</sub> (pH 8.0 @ 25°C) containing 6 $\mu$ g 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.	Pass

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



Alicia Bielik  
Production Scientist  
10 Jul 2019



Jay Minichiello  
Packaging Quality Control Inspector  
13 Aug 2019