

New England Biolabs Certificate of Analysis

Product Name: *Enterokinase, light chain*
Catalog Number: *P8070S*
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: *10245225*
Expiration Date: *05/2025*
Storage Temperature: *-20°C*
Storage Conditions: *20 mM Tris-HCl, 200 mM NaCl, 2 mM CaCl₂, 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
P8070SVIAL	Enterokinase, light chain	10241498	Pass

Assay Name/Specification	Lot # 10245225
Protease Activity (Non-Specific, SDS-PAGE) A 20 μl reaction in 20 mM Tris-HCl, 50 mM NaCl, 2 mM CaCl ₂ (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.	Pass

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

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28 May 2024



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Packaging Quality Control Inspector
30 May 2024