

New England Biolabs Product Specification

Product Name: α -Lytic Protease
Catalog #: P8113S
Concentration: 0.4 mg/ml
Shelf Life: 24 months
Storage Temp: -20°C
Storage Conditions: 10 mM Sodium Acetate (pH 5.0 @25°C)
Specification Version: PS-P8113S v1.0
Effective Date: 01 Mar 2019

Assay Name/Specification (minimum release criteria)

Functional Testing (Calcitonin Peptide Digestion) - A 20 μ l reaction in 50 mM Ammonium Bicarbonate (pH 8 @ 25°C) containing 2 μ g of human calcitonin peptide and 0.1 μ g of α -Lytic Protease incubated for 1 hour at 37°C results in the expected digestion products as determined by LC-MS analysis.

Functional Testing (Myoglobin Digestion) - A 20 μ l reaction in 50 mM Ammonium Bicarbonate (pH 8 @ 25°C) containing 2 μ g of Myoglobin protein and 0.1 μ g of α -Lytic Protease incubated for 16 hours at 37°C results in the expected digestion products as determined by LC-MS analysis.

Specific Activity (Spectrophotometric) - The specific activity of α -Lytic Protease is ≥ 0.1 mmol min⁻¹ mg⁻¹.



Date 01 Mar 2019

Derek Robinson
Director of Quality Control

