

New England Biolabs Product Specification

Product Name: Trypsin-ultra[™], Mass Spectrometry Grade
Catalog #: P8101S
Shelf Life: 12 months
Storage Temp: -20°C
Storage Conditions: Supplied freeze-dried from a sodium acetate and calcium chloride buffer.
Specification Version: PS-P8101S v1.0
Effective Date: 07 Dec 2016

Assay Name/Specification (minimum release criteria)

Functional Testing (Calcitonin Peptide Digestion) - A 20 µl reaction in Trypsin-ultra[™], Mass Spectrometry Grade Reaction Buffer containing 2 µg of human calcitonin peptide and 0.1 µg of Trypsin incubated for 16 hours at 37°C results in the expected digestion products as determined by LC-MS analysis.

Functional Testing (Cytochrome C Digestion) - A 20 µl reaction in Trypsin-ultra[™], Mass Spectrometry Grade reaction buffer containing 2 µg of Cytochrome C and 0.1 µg of Trypsin incubated for 16 hours at 37°C results in the expected digestion products as determined by LC-MS analysis.

Specific Activity (Fluorometric) - The specific activity of Trypsin-ultra[™], Mass Spectrometry Grade is between 1.8 µmol min⁻¹ mg⁻¹ and 3 µmol min⁻¹ mg⁻¹.



Date 07 Dec 2016

Derek Robinson
Director of Quality Control

