

## New England Biolabs Product Specification

*Product Name:* Endoproteinase GluC  
*Catalog #:* P8100S  
*Shelf Life:* 12 months  
*Storage Temp:* -20°C  
*Storage Conditions:* Supplied in dry format from a Tris-HCl and sodium chloride buffer, pH 8  
*Specification Version:* PS-P8100S v2.0  
*Effective Date:* 01 Nov 2021

### Assay Name/Specification (minimum release criteria)

**Functional Testing (Cytochrome C Digestion)** - A 20 µl reaction in 20 mM TrisHCl, 0.5 mM Glu-Glu (pH 8.0 @ 25°C) containing 2 µg of Cytochrome C protein and 0.1 µg of Endoproteinase GluC incubated for 16 hours at 37°C results in the expected digestion products as determined by LC-MS analysis.

**Functional Testing (Peptide Digestion)** - A 20 µl reaction in 20 mM TrisHCl, 0.5 mM Glu-Glu (pH 8.0 @ 25°C) containing 1 µg of ACTH(1-17) peptide and 0.1 µg of Endoproteinase GluC incubated for 16 hours at 37°C results in the expected digestion products as determined by LC-MS analysis.

One or more products referenced in this document may be covered by a 3rd-party trademark.  
Please visit [www.neb.com/trademarks](http://www.neb.com/trademarks) for additional information.



Date 01 Nov 2021

Derek Robinson  
Director, Quality Control

