



# CERTIFICATE OF ANALYSIS

Version 3.7  
revised on June 4, 2020

## Endo F3

PRODUCT NAME: Endo F3  
PRODUCT NUMBERS: E-EF03, E-EF03-200, E-EF03-20

LOT NUMBER: 902.1A  
EXPIRATION DATE: June 3, 2022  
ASSAY DATE: May 20, 2020

SOURCE: recombinant gene from *Elizabethkingia miricola* expressed in *E. Coli*  
FORMULATION: 20 mM Tris-HCl pH 7.5, filter sterilized.  
STORAGE: 4°C (Do not freeze)

ACTIVITY:	Activity <sup>1</sup>	5 U/ml	(Specification: ≥ 5 U/ml)
	Specific Activity <sup>2</sup>	39 U/mg	(Specification: ≥ 25 U/mg)

CONTAMINATING ACTIVITY ASSAYS:	Protease Assay <sup>3</sup>	Passed	(Specification "Passed")
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1. Defined as the amount of enzyme required to catalyze the release of N-linked oligosaccharides from 1 micromole of porcine fibrinogen in 1 minute at 37°C, pH 4.5. Cleavage is monitored by SDS-PAGE.
2. Protein concentration determined by Bradford method, using BSA as a standard.
3. For the protease assay, 10 µg of denatured BSA is incubated at 37°C for 24 hr with 2 ul of enzyme. SDS-PAGE analysis of the treated BSA shows no evidence of degradation.

President - QA-Bio Inc  
Authorized by Mike Gibson  
June 4, 2020