



# CERTIFICATE OF ANALYSIS

Version 3.7  
revised on May 28, 2018

## Endo F2

PRODUCT NAME: Endo F2  
PRODUCT NUMBERS: E-EF02, E-EF02-200, E-EF02-20

LOT NUMBER: 606.1A  
EXPIRATION DATE: March 03, 2020  
ASSAY DATE: April 20, 2018

SOURCE: recombinant gene from *Elizabethkingia miricola* expressed in *E. Coli*  
FORMULATION: 10 mM sodium acetate, 25 mM NaCl pH 4.5, 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>	24 U/mg	(Specification: ≥ 20 U/mg)

CONTAMINATING ACTIVITY ASSAYS:	Protease Assay <sup>3</sup>	Passed	(Specification "Passed")
--------------------------------	-----------------------------	--------	--------------------------

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  
May 28, 2018