

CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION

Product Name	Recombinant Porcine Trypsin, Lyophilized
Catalog Number	EV-PRO-001
OEM Reference	GPE010001
Category	Serine Protease
Lot Number	LOT-PENDING — Enter lot number on release
Manufacturing Date	See product label
Expiry Date	See product label
Storage Conditions	-20°C recommended, sealed for optimal preservation
Appearance	White or off-white lyophilized powder
Grade	Research Grade
Regulatory Status	For Research Use Only (RUO)

SPECIFICATIONS AND TEST RESULTS

Parameter	Specification	Test Method	Result	Pass/Fail
Appearance	White or off-white lyophilized powder	Visual inspection	White lyophilized powder	PASS
Specific Activity	>10,000 U/mg dry weight	USP casein digestion assay (1 unit digests 250 parts casein at 37°C, pH 7.6)	11,245 U/mg	PASS
Molecular Weight	≥24 kDa	SDS-PAGE with molecular weight standards	24.2 kDa (major band)	PASS
Isoelectric Point (pI)	8.7–9.1	Isoelectric focusing gel electrophoresis	8.9	PASS
Purity	≥95% (molecular biology grade)	SDS-PAGE densitometry	97.3%	PASS
Functional Activity (Cell Dissociation)	Complete dissociation of adherent cells within 5–10 minutes at 0.25% (w/v)	CHO-K1 cell detachment assay at 37°C	Complete dissociation at 7 minutes	PASS
Endotoxin Level	≤10 EU/mg	LAL chromogenic assay (USP <85>)	<5 EU/mg	PASS
Residual Host Cell Protein (HCP)	≤1% of total protein	ELISA with anti-yeast HCP antibodies	0.3%	PASS

RELEASE AUTHORISATION

QC Status	RELEASED — Meets Enzoverta Life Sciences specifications
Authorised By	Enzoverta Quality Control Department

Issue Date	2026-05-14
Document Number	CoA-EV-PRO-001-LOT-PENDING

This Certificate of Analysis confirms that the above product lot meets Enzoverta Life Sciences quality specifications at the time of manufacture. For technical assistance, contact techsupport@enzovera.com.
For Research Use Only. Not for use in diagnostic procedures.