

Certificate of Analysis

Recombinant CSFV E2 Protein, Sterile | EV-PRO-005

Product Name	Recombinant CSFV E2 Protein, Sterile	Lot Number	EZV-CSFV-2604-001
Catalog Number	EV-PRO-005	Manufacture Date	April 2026
Size	1.5ml/tube	Expiration Date	April 2027
Storage Condition	4°C	Release Date	April 2026

Product Specifications

Test / Parameter	Specification	Lot Result	Status
Appearance	Clear, colorless solution	Clear colorless	PASS
Protein Concentration (Bradford/BCA)	>=1.0 mg/ml	1.18 mg/ml	PASS
Purity (SDS-PAGE, reducing)	>=95%	96.2%	PASS
Purity (SEC-HPLC)	>=95%	96.8%	PASS
Identity (LC-MS/MS)	Confirmed CSFV E2 sequence	Confirmed (41.18 kDa)	PASS
Endotoxin (LAL)	<0.5 EU/mg	<0.2 EU/mg	PASS
Sterility (7-day TSB)	No microbial growth	No growth observed	PASS
pH	7.0-7.4	7.18	PASS
Osmolality	280-320 mOsm/kg	298 mOsm/kg	PASS
Immunoreactivity (ELISA)	>80% vs. reference anti-E2	94.6% binding	PASS

Formulation / Physical Form

Liquid solution at 1.18 mg/ml in PBS-based buffer containing 0.01 M sodium phosphate, 0.15 M NaCl, 0.05% Tween-20, pH 7.0-7.4.

Unit Definition

Activity and purity expressed as: Purity (>=95% by SDS-PAGE reducing and SEC-HPLC). Protein concentration (mg/ml by Bradford/BCA). Immunoreactivity (% binding vs. reference anti-CSFV E2 antibodies). Identity confirmed by LC-MS/MS peptide mapping.

Quality Release Statement

This lot of Recombinant CSFV E2 Protein, Sterile (EV-PRO-005) has been tested according to the specifications listed above and meets all release criteria. This Certificate of Analysis is issued by Enzoverta Life Sciences LLC Quality Assurance department.

Quality Assurance Signature: _____ **Date Issued:** April 2026

QA Director, Enzoverta Life Sciences LLC

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