
Product Data Sheet

Product Name: Ebola Zaire Protein
Cat. No.: GP25464
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Formulation	Ebola Zaire protein solution is supplied in Phosphate buffer and 0.02% sodium azide.		

Introduction

Ebolavirus (EVD) belongs to the Filoviridae family of proteins which is comprised of a single-strand, non-infectious RNA genome. EVD genome is about 19,000 base pairs long and covers 7 genes in the order 3'-UTR-NP-VP35-VP40-GP-VP30-VP24-L-5'-UTR. There are 4 different ebolaviruses such as: Zaire (EBO-Z), Sudan (EBO-S), Cote d'Ivoire (EBO-CI) and Reston (EBO-R) that differ in amino acid sequence and location of where the gene overlaps. Similar to filoviruses and ebolavirions, EVD is a filamentous element that could appear in 3 forms: shepherd's crook, U shape or a 6 shape. Ebolaviruses may be coiled, toroid, or branched. Most ebolavirions are 80nm wide and 14,000nm long.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.

Background

Nucleoprotein (NP) of Ebola virus has strong antigenicity in immune reactions. C-terminal of EBO-Z nucleoprotein was expressed and purified from E. coli, it migrated at 15kDa on SDS-PAGE and pI is 4.87. Ebola Zaire is fused to a c-terminal his tag and purified by a proprietary chromatographic technique.

Caution: Product has not been fully validated for medical applications. For research use only.

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