

# Biossayplus Inc.

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## Certificate of Analysis

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Product name:** Recombinant Parvovirus B19 VP1 protein

**Catalog:** Parvo -VP1

**Description:** Parvovirus B19 is a small DNA virus with limited genome about 5.4 Kb. This virus arranges its genome with the left side encoding non-structural proteins NS1 and right side encoding structural protein, VP1 and VP2. VP1 and VP2 encodes in the same reading frame with identical sequence except additional 227 amino acids at the amino terminus of VP1 protein. Monoclonal antibody study indicated that most antigenicity of VP1 is located at its N-terminus.

Recombinant parvovirus VP1 protein contains 227 amino acids derived from N-terminus of VP1 protein sequence. The recombinant protein was expressed and purified from *E. coli*, the purified recombinant protein is used to test *Parvovirus B19* specific antibody for research or clinical study.

**Source:** *E. coli*

**Format:** Purified, Liquid

**Purification:** >90% pure (12% SDS-PAGE, Coomassie staining). Proprietary chromatographic technique

**Concentration:** 1.25 mg/ml

**Buffer:** PBS pH 7.4, 0.02% sodium azide

**Applications:** Immunoassay

**Storage:** Upon receipt, store at -20°C. Avoid multiple freeze/thaw cycles.

