

# Bioassayplus Inc.

4510 Rhodes Dr., Windsor, Canada N8W 5K5

## Certificate of Analysis

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

**Product name:** Astrovirus capsid

**Catalog #:** Astro-capsid

**Description:** Astroviruses are majorly found as the cause of gastroenteritis in children, and elderly adults. The virus is found in fecal matter and in epithelial intestinal cells. Astroviruses are associated with 5–9% of cases of gastroenteritis in young children. The main mode of astrovirus transmission is by contaminated food and water.

Human Astrovirus comprises plus-sense, single-stranded RNA. ORF-2 encodes a polyprotein of 787 amino acids in length, which is the precursor of structural proteins including capsid protein. The capsid protein (aa 50-450, Swiss-Prot # Q3ZN02) was expressed and purified, the protein migrated at 42 to 45kDa with N-terminal 6 x His tag.

**Source:** *E. coli*

**Format:** Purified, Liquid

**Purification:** >95% pure (10% SDS-PAGE, Coomassie stain), Proprietary chromatographic technique

**Concentration:** 1.5mg/ml (lot 10-2019)

**Buffer:** 25mM Tris Base, 10mM K<sub>2</sub>CO<sub>3</sub>

**Applications:** ELISA, Western blot

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



Astrovirus capsid,  
1.2mg/ml, lot: 10-2019