

# Bioassayplus Inc.

4510 Rhodes Drive. Windsor, N8W 5K5, Canada

## Certificate of Analysis

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

**Product name:** HIV1 antigen for medical device

**Catalog #:** HIV1-gp41-ivd

**Description:** Recombinant HIV1 antigen is derived from HIV1 envelope gp41 (M group, subtype b), GST is linked to this protein at N-terminal end, the molecular weight is 42kDa. This protein contains all domains of gp41.

This protein reacts to HIV1 antibody from HIV1 infected patients, over 90% HIV1 samples collected in house were tested strongly positive in the test. This protein is developed for the application for medical device.

**Source:** *E. coli*

**Format:** Purified, Liquid

**Purification:** >95% pure (10% SDS-PAGE, Coomassie

blue staining)

**Concentration:** 1.3mg/ml (lot: 101724)

**Buffer:** PBS and 25mM K<sub>2</sub>CO<sub>3</sub>

**Applications:** Immunoassay

**Storage:** store in 4°C for short time only, aliquot to avoid repeated freezing and thawing, store at -20°C.



Coated on well	2.5ug	1.25ug	0.62ug	0.31ug	0.15ug	75ng	35ng
OD, 1:250 diluted HIV1	1.26	1.36	1.32	1.33	1.29	1.16	0.96
OD, 1:250 normal serum	0.14	0.15	0.13	0.13	0.17	0.12	0.09
Signal/CO	8.9	8.7	10.3	10.3	7.7	9.7	9.8