

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: Recombinant hepatitis C virus core antigen

Catalog number: HCV-1b core

Description: HCV-1b core contains 169 amino acids, taking about 92% amino acids of core protein and extending to the high hydrophobic domain of this protein. The genotype of this core sequence is 1b. HCV-1b core has good performance in immunoassay. It forms dimer migrating at 50kDa in size. HCV core isoelectric point is 11.02, 6 x histidine tag is attach to its C- terminal. The product developed by this antigen have good performance in sensitivity and specificity.

Source: *E. coli*

Format: Purified, Liquid

Purification: >90% pure (10% SDS-PAGE Coomassie blue staining).

Concentration 1.3mg/ml (lot: Nov-2020)

Buffer: Phosphate saline buffer

Applications: Lateral flow immunoassay and other immunoassay

Storage: Upon receipt, aliquot into 1.5ml vials, store at -20°C



ELISA test on May 2023

HCV 1b (169aa) ug/ml	3.3ug	1.1ug	0.37ug	0.12ug	40ng	13ng	4.4ng
OD, 1:250 diluted HCV	0.73	0.772	0.745	0.73	0.706	0.628	0.488
OD, 1:250 diluted healthy	0.255	0.236	0.293	0.278	0.229	0.215	0.221
Signal/background	2.862	3.271	2.542	2.625	3.082	2.920	2.208

← 23 kDa, recombinant HCV core Nov 2020