

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### Human SARS-CoV-2 Nucleocapsid ELISA Kit EBT-ECV001

Article Name	Human SARS-CoV-2 Nucleocapsid ELISA Kit
Biozol Catalog Number	EBT-ECV001
Supplier Catalog Number	ECV001
Alternative Catalog Number	EBT-ECV001-96, EBT-ECV001-48, EBT-ECV001-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Human
Concentration	500 pg/mL
Range	7.82-500 pg/mL
Sensitivity	3.2 pg/mL
Samples	serum, plasma, saliva, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Infectious Diseases. Test principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human SARS-CoV-2 Nucleocapsid. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human SARS-CoV-2 Nucleocapsid. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Human SARS-CoV-2 Nucleocapsid, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm 10nm. The concentration of Human SARS-CoV-2 Nucleocapsid in the samples is then determined by comparing the OD of the samples to the standard curve