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Product Datasheet

Human SARS-CoV-2 Nucleocapsid ELISA Kit BYT-ORB867010

Article Name	Human SARS-CoV-2 Nucleocapsid ELISA Kit
Biozol Catalog Number	BYT-ORB867010
Supplier Catalog Number	orb867010
Alternative Catalog Number	BYT-ORB867010-48,BYT-ORB867010-96
Manufacturer	Biorbyt
Category	Kits/Assays
Application	ELISA
Species Reactivity	Human
Product Description	Sandwich Human SARS-CoV-2 Nucleocapsid ELISA Kit...
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	Application Notes: standard: 500 pg/mL. 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
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