Datasheet

COVID-19 Human IgM IgG Assay Kit

Product Name	COVID-19 Human IgM IgG Assay Kit
Catalogue Number	BSV-ELISA-02
IVD or RUO	RUO
CE Marked	No
Size	96 assays

Description:

COVID-19 Human IgM IgG Assay Kit is an indirect enzyme-linked immunoassay (ELISA) for qualitative determination of COVID-19 human serum IgM and IgG.
Principle of the Assay Qualitative determination of target protein concentration is achieved by an indirect ELISA format. In essence, COVID-19 spike protein is added to the microtiter wells. The COVID-19 spike protein is captured by target-specific primary (1°) antibodies while the HRP-conjugated secondary (2°) antibodies bind the Fc region of the 1° antibody. Through this binding, the HRP enzyme conjugated to the 2° antibody can catalyse a colorimetric reaction upon substrate addition.

Product Details:

Sample Type: Human Serum

Intended use: COVID-19 Human IgM IgG Assay Kit is an indirect enzyme-linked immunoassay (ELISA) for detection of human IgM and IgG antibodies against COVID-19 virus in human serum.

Label: HRP-conjugated

Detection method: Colorimetric

Quality control testing: Serial Dilution

Storage: Upon receipt, the 96-Well COVID-19 Spike Protein Coated Microplate and TMB Reagent should be stored at 4°C. 10x PBST and Stop Solution should be stored at room temperature. The Anti-human IgM antibody (HRP) and Anti-human IgG antibody (HRP) should be stored at -20°C. Avoid cycles of freezing and thawing.

Regulatory/ Restrictions: For research use only (RUO).

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Materials Supplied:

Component	Amount
96-Well COVID-19 Spike Protein Coated Microplate	2 Plates
Anti-human IgM antibody (HRP)	10 µL
Anti-human IgG antibody (HRP)	10 µL
10x PBST	50 mL x 2
TMB Reagent	10 mL x 2
Stop Solution	10 mL x 2

Quality control testing:

COVID-19 IgM Assay		
Dilution Folds	2000X	Blank
Normal Serum-1	0.056	0.048
Normal Serum-2	0.049	0.044

COVID-19 IgG Assay		
Dilution Folds	2000X	Blank
Normal Serum-1	0.05	0.044
Normal Serum-2	0.047	0.045

Figure 1. Quality control testing performed by serial dilution.

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