

Bio-Speedy COVID-19/Flu RT-qPCR



Intended Use: Bio-Speedy® COVID-19/Flu RT-qPCR kit is a real-time and one-step reverse transcription PCR test used for the qualitative detection and distinguish of the SARS-CoV-2-specific *ORF1ab* and *N*genes, Influenza A ve Influenza B. In the flu season, SARS-CoV-2 negative cases do not need to be tested separately for the presence and type of Influeanza virus.

Target: The Bio-Speedy® COVID-19/Flu RT-qPCR besides targeting the *ORF1ab* and *N*gene regions which are common in all SARS-CoV-2 variants, targets the Influenza A specific *Membrane Protein (M)* gene region and the Influenza B specific *Nuclear Export Protein (NEP)* gene region. SARS-COV-2 targets are read in the FAM channel, Influenza A is read in the Cy5 channel and Influenza B is read in the ROX channel of the Real Time PCR instrument. The RNase P gene targeted as an internal control is also read in the HEX channel.

Operation and Duration: Bio-Speedy® COVID-19/Flu RT-qPCR kit when used with vNAT® Transfer Tube, makes the sample ready for Real Time PCR within 5 minutes and provides Real Time PCR result in less than 30 minutes protocol.

Validated and Compatible Devices: Bio-Speedy® COVID-19/Flu RT-qPCR kit is validated for 10µl reaction volume on *Bio-Rad CFX96 Touch™*, *Bio Molecular Systems Magnetic Induction Cyclers (MIC)*, *HiMedia Insta Q96® Plus* ve *Qiagen Rotor-Gene® 5 Plex* Real-Time PCR instruments.

Sensitivity: 100%

Specificity: 100%

Quantity: 100, 250, 500, 1000 Rxn

Box Size: 10cm x 8cm x 6.5cm

Catalog Number: BS-SY-SI