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Product Datasheet

SARS-CoV-2 Triplex PCR kit (Form F)

ATB-89-03

Article Name	SARS-CoV-2 Triplex PCR kit (Form F)
Biozol Catalog Number	ATB-89-03
Supplier Catalog Number	89-03
Alternative Catalog Number	ATB-89-03
Manufacturer	Astra Biotech GmbH
Category	Kits/Assays
Species Reactivity	Human
Product Description	Text zusatzlich mitgeschickt...
Sensitivity	Analytical Sensitivity 1000 copies of SC2 genomic RNA per 1 mL of sample (or ca. 10 copies per reaction) Diagnostic Sensitivity 100% Diagnostic Specificity 100%
Samples	Human samples from nasopharyngeal swabs, oropharyngeal swabs and saliva samples
Target	SARS-CoV-2

Application Notes	SARS-CoV-2 Triplex PCR kit is a one-step reverse transcription real-time PCR multiplex test for detection of SARS-CoV-2 nucleic acids from nasopharyngeal swabs, oropharyngeal swabs and saliva samples from individuals suspected of COVID-19. The kit simultaneously detects three targets, in ORF1ab, ORF8, and N protein coding regions, each on separate detection channel. The kit was validated to be used with following real-time PCR cyclers: Qiagen Rotor-Gene Q (also can be used with Corbett Research Rotor-Gene 3000/6000), Bio-Rad CFX96 (also can be used with CFX96 Touch), DNA-Technology DTprime (corresponds to DTlite), Sacace Biotechnologies SaCycler, Roche Light Cycler 96 Features: Advanced test design three SARS-CoV-2 specific targets chosen from least variable regions in ORF1ab, ORF8, and N genes multiplicity of targets increases the robustness of the test in case of possible arising mutations in the regions where primers or probes bind Control of the entire diagnostic process endogenous internal control (transcript of one of human housekeeping genes) allows to monitor the quality of sampling, RNA extraction procedure, reverse transcription and PCR amplification, as well as detection reactions positive control (in vitro transcribed RNA of target regions) allows to monitor the quality of reverse transcription and PCR amplification and detection reactions negative control allows to monitor the cases of possible contamination Single tube design simultaneous detection of three targets + internal control in one tube internal control is included in master mix - no additional pipetting required