

DATASHEET

PlexPrime® SARS-CoV-2 P681R Delta

Research reagents to support investigation of COVID-19 variants of concern

Test Reagent

PlexPrime® SARS-CoV-2 P681R Delta

Catalog Number

7154002

Description

Single well, multiplex for simultaneous detection of 2 viral RNA targets - SARS-CoV-2 RdRp gene, and SARS-CoV-2 S gene (surface glycoprotein) mutation P681R using qPCR **PlexPCR®** (**PlexZyme®** & **PlexPrime®**) technology

Sample Extraction

Samples should be extracted as total nucleic acid

Product Design

Well	Channel	Target	qPCR cycling duration
1	1	RNA-dependent RNA polymerase gene (RdRp)	1 hour and 40 minutes
	2	Mutations causing P681R Spike Protein Substitution	

Target Mutations

P681R	P681R is present in B.1.617.2 (Delta), B.1.617.1 (Kappa) and B.1.617.3
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Instrument Compatibility

Extraction	Liquid Handling	Amplification
Magnetic bead-based	Lab self-validation	Roche LC480 II
		BioRad CFX96 IVD / CFX96 Touch
		ABI 7500/7500 Fast/ 7500 Fast Dx
		ABI QuantStudio

Workflow Flexibility

Total Reactions†	Reaction Volume
200	25 µl

†Includes additional volume to maintain total reaction numbers when used with a liquid handler

Compatible with **PlexPCR®** Sapphire Core Reagents — Cat No: 7214002

Shipping & Storage

Shipping	Storage
Reagents — dry ice/ice packs	Reagents -20°C

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