

PathogenDx Detect^x-Rv Kit for COVID-19

Purpose: Coronavirus (SARS-CoV-2) Detection

Number of Targets Detected: N1, N2, N3, RP

Method of Detection: RT-PCR / DNA Microarray

Compatible Sample Type: Nasopharyngeal Swab and Nasal Fluid

Qualitative/Quantitative: Qualitative

Controls: Internal Positive/Negative Controls

Test Size: 96 tests

Shelf Life: 6 Months

Storage Requirements: Storage at -25 C to -150 C

Test Turnaround Time: After receipt of clinical swab specimens and RNA extraction, process is estimated to take 3.5 Hours for 96* samples with a single technician.

*Additional throughput can be obtained with automated RNA extraction



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Kit Components

Component	Ingredients	Specification	Quantity
RT-PCR Primer Mix 1	Primers for N1, N2, N3 and RNase P	150 uL/Tube	1 Tube
Labeling PCR Primer Mix 2	Primers for N1, N2, N3 and RNase P	150 uL/Tube	1 Tube
RT-PCR Mastermix	Buffer components, dNTPs, Taq DNA polymerase	Variable Concentrations	1 Tube
Labeling PCR Mastermix	Buffer components, dNTPs, Taq DNA polymerase	4 mL/Tube	2 Tubes
Taq Polymerase	Taq Polymerase	50 uL/Tube	2 Tubes
Positive Control	Synthetic RNA Transcripts	5 uL/Tube	1 Tube
Hybridization Buffer 1		2 mL	2 Tubes
Hybridization Buffer 2		750 uL/Tube	2 Tube
Microarray slides	12 replicate wells each containing 3 replicate subarrays	8 slides w 12 arrays	

Kit does not include the following required items:

- RNA extraction/purification kit
- Plastics to conduct test