



SARS-CoV-2 Panel (RUO)



Rapid and high-throughput viral pathogen detection

Laboratories require fast and reliable methods to detect SARS-CoV-2 to meet the demands of the global outbreak. Current SARS-CoV-2 detection methods either have long turnaround times due to multiple steps or are limited in the number of samples that can be tested per run.

The Agenia Bioscience® Solution

- **ACCURATE DETECTION** - Five SARS-CoV-2 assays multiplexed into one well targeting the nucleocapsid (*N*) gene, ORF1, and ORF1a/b genes.
- **RAPID RESULTS** - Simplified workflow combines reverse transcription and amplification. Generate results within 8 hours from RNA extraction.
- **MAXIMIZE THROUGHPUT** - Process up to eight 96-well or six 384-well plates in a full workday with ability to process two more plates overnight.
- **SAVE TIME & MONEY** - Low-cost reagents and automated results reporting saves lab resources.

For Research Use Only.
Not for use in diagnostic procedures.

Agenia[®]
BIOSCIENCE

SARS-COV-2 PANEL CONTENT

The SARS-CoV-2 Panel is a single well, qualitative research use assay consisting of the following targets.

- Three assays probing the viral nucleocapsid (N) gene.
- One assay probing open reading frame 1, ORF1
- One assay probing ORF1a/b
- One RNase P quality control assay to control for all steps from RNA purification through to results.

ASSAY WORKFLOW

The pre-designed panel requires 3 uL of purified RNA input per sample. The combined RT-PCR reaction greatly reduces time to results.



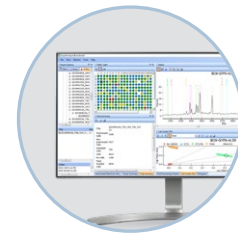
RT-PCR/SAP/Extension

Multiplex end-point RT-PCR followed by a single base extension reaction



Target Sequence Detection

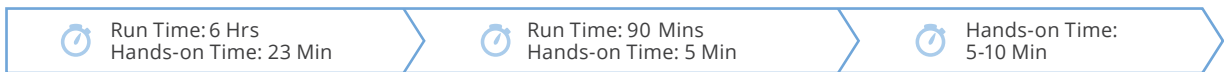
Automated analyte transfer and data acquisition



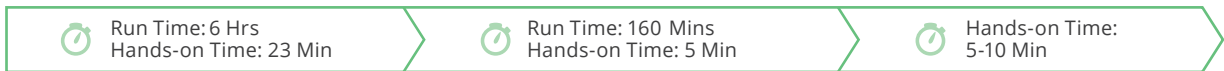
Data Analysis

Data display and report generation

96 FORMAT



384 FORMAT



ORDERING INFORMATION

The RUO panel sets contain assay specific primers and all the required reagents to process RNA samples on the Agena Bioscience® MassARRAY® system.

Catalog No.	Item	# Samples	Chip Format
13274	SARS-CoV-2 Panel Set (RUO) (10x96)	960	96
13274F	SARS-CoV-2 Panel Set (RUO) - CPM (10x96)	960	96 CPM
13275	SARS-CoV-2 Panel Set (RUO) (2x384)	768	384
13275D	SARS-CoV-2 Panel Set (RUO) CPM (2x384)	768	384 CPM
13276	SARS-CoV-2 Panel Set (RUO) (10x384)	3840	384
13276D	SARS-CoV-2 Panel Set (RUO) - CPM (10x384)	3840	384 CPM

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Agena Bioscience, Inc.
4755 Eastgate Mall
San Diego, CA 92121
Phone: +1.858.882.2800

Order Desk: +1.858.202.9301
Order Desk Fax: +1.858.202.9220
orderdesk@agenabio.com
Web: agenabio.com

US +1.877.4.GENOME
EU +49.40.899676.0
AP +61.7.3088.1600
CN +86.21.6427.0566

