



## 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 Agena 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.



## 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.



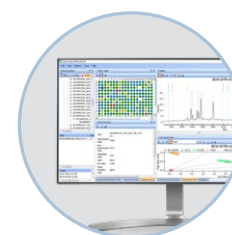
### RT-PCR/SAP/Extension

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



### Target Sequence Detection

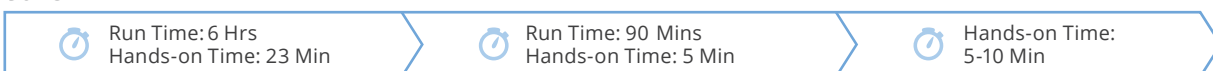
Automated analyte transfer and data acquisition



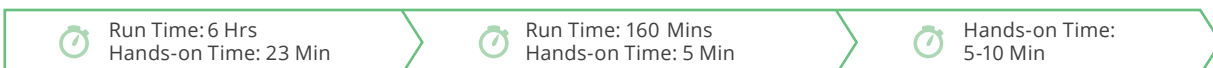
### Data Analysis

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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