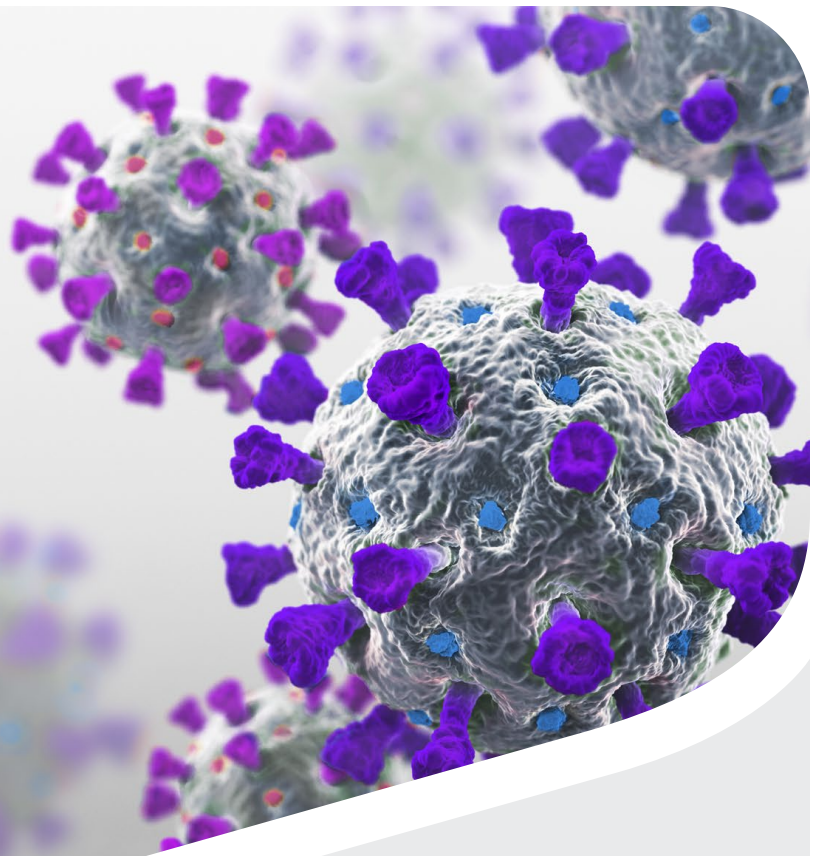


MassARRAY® SARS-CoV-2 Variant Panel (RUO)



Low-Cost and High-Throughput SARS-CoV-2 Variant Surveillance

Laboratories require cost-effective, rapid solutions to track the key SARS-CoV-2 variants currently in circulation globally. While sequencing-based technologies are commonly used, they are highly complex, expensive and have a long turnaround time. The MassARRAY® SARS-CoV-2 Variant Panel from Agena Bioscience® enables laboratories to overcome these challenges with a high throughput, low-cost and rapid assay for the detection of 32 unique genetic markers and differentiation of key SARS-CoV-2 variants.

The MassARRAY® SARS-CoV-2 Variant Panel

- **GET ACCURATE DETECTION** - Detect and differentiate twelve unique SARS-CoV-2 variants from the Wuhan lineage of SARS-CoV-2.
- **MAXIMIZE THROUGHPUT** - Process up to hundreds or thousands of samples on a single instrument in a single workday.
- **SIMPLIFY INTERPRETATION** - Clear identification of variants of concern without the need for extensive bioinformatics analysis.
- **SAVE TIME & MONEY** - Low-cost reagents and automated results reporting save lab resources.

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

Agena®
BIOSCIENCE

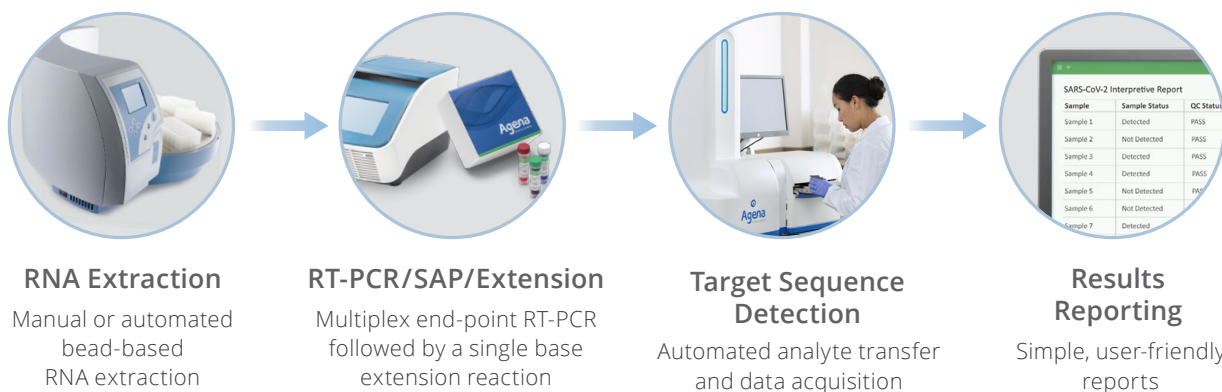
ASSAY COMPONENTS

The MassARRAY® SARS-CoV-2 Variant Panel is a two-well, qualitative research use assay containing the following:

- One GAPDH assay that serves as an internal control for nucleic acid extraction, reverse transcription (RT), PCR, SAP, and extension steps.
- One assay probing the SARS-CoV-2 viral nucleocapsid (N) gene.
- SARS-CoV-2 variant assays: One assay for each of the 12 variants, targeting a total of 32 genetic markers:
 - **B.1.1.7 (U.K.)** : N501Y, A570D, P681H, T716I, S982A, D118H, H69_V70del, Y144del
 - **B.1.351 (S.A.)** : N501Y, D80A, D215G, K417N, E484K, A701V, L18F, L242_L244del
 - **P.1** : N501Y, L18F, E484K, K417T
 - **Cluster 5 / Mink** : I692V, Y453F, H60_V70del, N501T
 - **D614G**
 - **B.1.525 (New York)** : E484K, H69_V70del, Y144del, Q677H
 - **B.1.526 (New York)** : E484K, A701V, D253G, L5F,T95I, S477N
 - **B.1.427 (California)** : L452R
 - **B.1.429 (California)** : L452R, S13I, W152C
 - **Florida** : K1191N, Q493K
 - **Broad USA** : Q677P
 - **Putative immune escape** : N439K

ASSAY WORKFLOW

The combined RT-PCR reaction together with high-throughput processing on the MassARRAY System enables testing up to hundreds or thousands of samples per day.



ORDERING INFORMATION

The assay panel sets are available in both 96 and 384 reaction formats to support varying sample throughput.

Catalog No.	Item	# Samples	Chip Format
13325	MassARRAY SARS-CoV-2 Variant Panel Set v2 (RUO) (10x96)	480	96
13325F	MassARRAY SARS-CoV-2 Variant Panel Set v2 (RUO) – CPM (10x96)	480	CPM-96
13326	MassARRAY SARS-CoV-2 Variant Panel Set v2 (RUO) (10x384)	1920	384
13326D	MassARRAY SARS-CoV-2 Variant Panel Set v2 (RUO) – CPM (10x384)	1920	CPM-384
13327	MassARRAY SARS-CoV-2 Variant Panel Set v2 (RUO) (2x384)	384	384
13327D	MassARRAY SARS-CoV-2 Variant Panel Set v2 (RUO) – CPM (2x384)	384	CPM-384

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