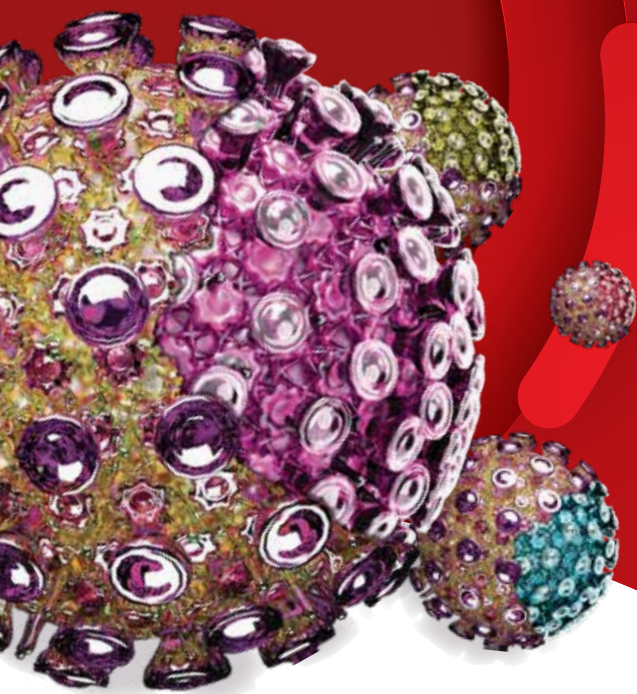


Allplex™ SARS-CoV-2 Variants II Assay

Identification of SARS-CoV-2 Variants



L452R

W152C

K417N

K417T



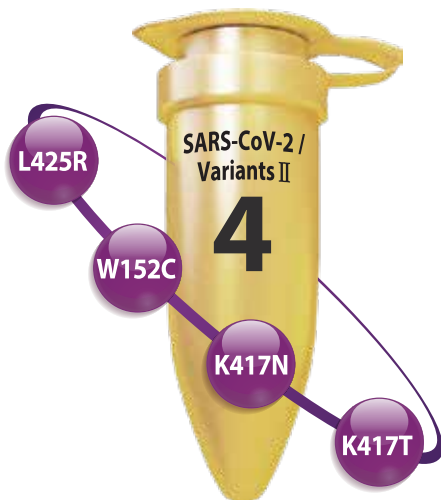
Move Forward to Defeat SARS-CoV-2 Variants

Allplex™ SARS-CoV-2 Variants II Assay differentiates the new variants and provides insight for proactive response.

Variant designation	501Y.V1	501Y.V2	501Y.V3	452.V1	452R.V3
First detected	United Kingdom	South Africa	Japan / Brazil	US-California	India
Lineage	B.1.1.7	B.1.351	P.1	B.1.429/B.1.427	B.1.617
Key spike protein mutations	N501Y, HV69/70 deletion, Y144 deletion, P681H	N501Y, E484K, K417N	N501Y, E484K, K417T	L452R, W152C, S13I	L452R, E484Q, P681R
Concern	Increase transmissibility	Increase transmissibility and possibly reduce vaccine efficacy			

Allplex™ SARS-CoV-2 Variants II Assay

CE-IVD
In progress



Analytes

- L452R
- W152C
- K417N
- K417T
- Endogenous IC

Specimens

- Nasopharyngeal swab
- Nasopharyngeal aspirate
- Oropharyngeal swab
- Bronchoalveolar lavage (BAL)
- Sputum
- Saliva



Multiplex real-time PCR

Detects and identifies simultaneously using multiplex real-time PCR



Whole process verification

Verifies whole process including validation of correct sampling with an endogenous internal control



Automated platform

Runs on a streamlined automated platform for high-throughput testing



Individual Ct value

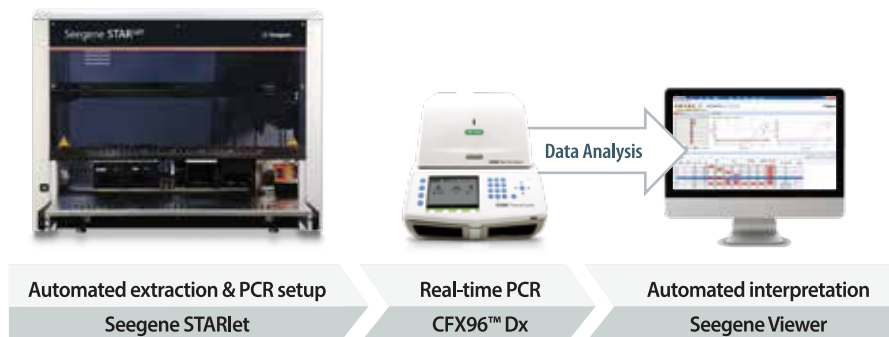
Provides individual Ct value of multiple targets



Reliable test result

Provides reliable test result by minimizing false-negative results

Automated solution for efficient workflow



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Kick your Real-time PCR up a notch!

With Seegene's core proprietary technology and expertise, enhance your MDx products with incomparable performance and usability.



Oligo Design

Oligo design technology for high multiplex PCR: **SG-Insilico™**

Enables rapid designing of high multiplex oligos using Seegene-developed algorithms and confidential variables



Amplification

Highly specific amplification technology for high multiplex PCR: **DPO™**

Allows the implementation of high multiplex diagnostics with unparalleled specificity using Seegene's unique primer structure



Target Detection

High multiplex target detection technology: **TOCE™**

Achieves accurate target signals by independently controlling multiple target signals for primer and probe annealing temperatures



Quantitative Detection

High multiplex target detection & quantification technology: **MuDT™**

Broadens capacity for high multiplex target detection & quantification by enabling analysis of multiple Ct values in a single detection channel



Interpretation

High multiplex signal processing technology: **DSP™**

Enables accurate reporting of target's positive or negative results through Seegene's proprietary signal processing algorithms

Ordering Information

Product	Volume	Cat. No.
Allplex™ SARS-CoV-2 Variants II Assay	100 rxns*	RV10305X
	50 rxns	RV10306Y
Instrument	Cat. No.	
CFX96™ Dx (2 modules)	1845097-IVD & 1841000-IVD	
Seegene NIMBUS	65415-03	
Seegene STARlet	67930-03	
SEEPREP32™	SG71100	
Maelstrom™ 9600	M9600	
STARMag 96 X 4 Universal Cartridge kit*	7443004UC384	
STARMag 96 X 4 Viral DNA/RNA 200 C kit*	EX00013C	
STARMag 96 ProPrep (Plate type)**	EX00009P	
STARMag 96 ProPrep (Tube type)**	EX00009T	
STARMag 96 ProPrep C (Plate type)**	EX00017P	
STARMag 96 ProPrep C (Tube type)**	EX00017T	
TANBEAD™ Nucleic Acid Extraction kit***	W665566	
OptiPure Viral Auto Tube	W665A10	
OptiPure Viral Bulk Plate	W665A10	
SGRespi™ Pure (Plate type)***	EX000023P	
SGRespi™ Pure (Plate type)***	EX000024P	
SGRespi™ Pure (Tube type)***	EX000025T	

* For use with Seegene NIMBUS and Seegene STARlet only,

** For use with SEEPREP32™, *** For use with Maelstrom™ 9600

Not Available for Sale in the United States