

November 30, 2021

[Notice] Seegene COVID-19 assays cover Omicron variants

To WHOM IT MAY CONCERN,

As we are aware and acknowledge not only from the media but also by Health Ministries around the world (e.g. CDC), the new variant of SARS-CoV-2, first classified as Omicron on 26 Nov 2021 causing high increase into severe positive confirmed cases is now designated as VOC. The variant, Omicron is reported to be stronger and faster on the spread among people, and a number of countries such as Germany, Netherlands, and Israel are already in action to carry out either lock-down or public control to prevent further spread in the community.

Seegene, Inc., carried out the *in-silico* analysis to reveal the match of variant identified as Omicron in **Seegene COVID-19 assays** and confirmed that the following assays are suitable for screening patients with SARS-CoV-2 (including **Omicron variant**).

[Assays available for detecting Omicron variant]

1. Allplex™ 2019-nCoV Assay (Cat. no. RP10252W)
2. Novaplex™ SARS-CoV-2/FluA/FluB/RSV Assay# (Cat. No. R-RV10259W)

[Coverage analysis on Omicron variant]

(As of 27 Nov 2021)

Seegene Assay	Match rate of oligomer binding to Omicron sequence (%)			
	E gene	RdRP gene	S gene	N gene
Allplex™ 2019-nCoV Assay (EUA)	100.0	100.0	Non-target	100.0
Novaplex™ SARS-CoV-2/FluA/FluB/RSV Assay#	Non-target	100.0	100.0	100.0*

* Excluding 8 error sequences.

[Additional ID assays for Omicron variant for Research Use Only]

Additionally, Seegene's **SARS-CoV-2 variants assays** can help if you would like to receive faster Omicron mutations information than NGS. The assays, which are listed below, can provide **rapid** and **accurate** information on the **Omicron variant**.

- Novaplex™ SARS-CoV-2 Variants I Assay# (Cat no. R-RV10286W)
- Novaplex™ SARS-CoV-2 Variants II Assay# (Cat no. R-RV10305W)

Novaplex™ SARS-CoV-2 Variants I Assay			Novaplex™ SARS-CoV-2 Variants II Assay				Associated variants
HV69/70del	E484K	N501Y	W152C	L452R	K417N	K417T	
(+)	(-)	(+)	(-)	(-)	(+)	-	Omicron

For Research Use Only

For more detailed information about this update, please contact your regional manager.



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