

LETTER OF CONFIRMATION

Date: 20th of December 2021

To. Whom it may concern,

We, BIONOTE, INC., duly organized under the law of the Republic of Korea and having its principal place at 22 Samsung1ro 4-gil, Hwaseong-si Gyeonggi-do, 18449, Korea, hereby confirm the suitability of the NowCheck COVID-19 Ag Test concerning the detection of the SARS-CoV-2 variants including Alpha, Beta, Gamma, Delta, and Omicron variants.

To confirm the actual detection efficacy, we conducted *in-silico* analysis about the N protein and analytical sensitivity tests using recombinant N protein and cultured virus.

Variants		First identified country	<i>In-silico</i> analysis	Analytical sensitivity test	
Name	Lineage			Recombinant protein	Cultured virus
Wuhan-Hu-1	B	China		Confirmed	Confirmed
Alpha	B.1.1.7	United Kingdom	Confirmed	Confirmed	Confirmed
Beta	B.1.351	South Africa	Confirmed	Confirmed	Confirmed
Gamma	P.1	Brazil	Confirmed	Confirmed	-
Delta	B.1.617.2	India	Confirmed	-	Confirmed
Kappa	B.1.617.1	India	Confirmed	Confirmed	-
Omicron	B.1.1.529	South Africa	Confirmed	Confirmed	To be tested

In-silico analysis shows that all variants have very high homology with the Wuhan-Hu-1 as a standard. And, in the analytical sensitivity test, the NowCheck COVID-19 Ag Test detected the variants at the similar limit of detection with the Wuhan-Hu-1 as a positive control. Thus, it can be concluded that the NowCheck COVID-19 Ag Test is very suitable for detecting the abovementioned SARS-CoV-2 variants.

Although the performance has already been confirmed for the Omicron variant, we will conduct additional evaluation using the **cultured virus** of this variant. Results of the new evaluation will be distributed later.

Yours sincerely,



Byung Ki Cho / President
BIONOTE, INC.