

3 June 2021

SARS-CoV-2 Variant Detection

World Health Organization (WHO) has been monitoring and assessing the evolution of SARS-CoV-2 since January 2020, and the emergence of new strains in recent months has triggered the characterisation of SARS-CoV-2 variants.

Veredus Laboratories is continuously monitoring the global situation of COVID-19 pandemic and conducting extensive impact assessment of SARS-CoV-2 variants on **VereCoV™ OneMix Detection Assay**, **VereRT™ COVID-19 PCR Assay**, **VereRT™ ZeroPrep™ COVID-19 PCR Assay** and **VereRT™ Duo COVID-19 PCR Assay**. Based on continuous bioinformatics (*in silico*) analysis, we are confident that the detection capability of our assays remains effective covering the following variant strains.

WHO Label ¹		Pango Lineage ¹	Earliest Documented Samples ¹	Date of Designation ¹
Alpha	α	B.1.1.7	United Kingdom	18 Dec 2020
Beta	β	B.1.35.1	South Africa	18 Dec 2020
Gamma	γ	P.1	Brazil	11 Jan 2021
Delta	δ	B.1.617.2	India	11 May 2021
Epsilon	ε	B.1.427/B.1.429	United States of America	5 Mar 2021
Zeta	τ	P.2	Brazil	17 Mar 2021
Eta	η	B.1.525	Multiple Countries	17 Mar 2021
Theta	θ	P.3	Philippines	24 Mar 2021
Iota	ι	B.1.526	United States of America	24 Mar 2021
Kappa	κ	B.1.617.1	India	4 Apr 2021

¹ Reference from WHO. Updated 31 May 2021.
<https://www.who.int/en/activities/tracking-SARS-CoV-2-variants/>

¹ WHO has assigned simple, easy-to-say and remember labels for key variants of SARS-CoV-2, the virus that causes COVID-19, using letters of the Greek alphabet.

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