



Technical Brief – February 3, 2021
SARS-CoV-2 variant detection by
Abbott Alinity m SARS-CoV-2 Assay, RealTime SARS-CoV-2 Assay and
Alinity m Resp-4-Plex Assay

New SARS-CoV-2 variants have been identified, Abbott is continuously monitoring the global situation on SARS-CoV-2 through its Global Surveillance and Viral Discovery programs.

Abbott's SARS-CoV-2 assays target unique regions of the RdRp and N genes of the SARS-CoV-2 genome. Bioinformatics analysis confirmed that the target regions used in the Abbott Alinity m SARS-CoV-2, RealTime SARS-CoV-2 and Alinity m Resp-4-Plex assays would not be impacted by the following new variant strains.

Variant ^{1,2,6}	Mutations ²⁻⁶
UK variant is VUI 202012/01	N, Spike protein and ORF regions
South Africa SARS-CoV-2 lineage (501Y.V2)	N, E, Spike protein and ORF regions
Brazil variant P.1, a sub-lineage of the B.1.1.28 strain	N, Spike protein and ORF regions

If you have any questions on the above, please reach out to [Technical Support](#)

¹ www.cdc.gov/coronavirus/2019-ncov/transmission/variant.html

² www.medrxiv.org/content/10.1101/2020.12.21.20248640v1.full.pdf

³ www.gisaid.org/references/gisaid-in-the-news/uk-reports-new-variant-termed-vui-20201201/

⁴ virological.org/t/preliminary-genomic-characterisation-of-an-emergent-sars-cov-2-lineage-in-the-uk-defined-by-a-novel-set-of-spike-mutations/563

⁵ Abbott data on file

⁶ <https://virological.org/t/genomic-characterisation-of-an-emergent-sars-cov-2-lineage-in-manaus-preliminary-findings/586>