NOVACYT GROUP

SNPsig® COVID-19 (20I/501Y.V1+E484K)

CE IVD

At present, if SARS-CoV-2 variants are considered to have 'concerning' properties, including causing higher infection rate, reduced vaccine efficacy or resistance to antibody treatment, they are raised for formal investigation and classified as a variant under investigation (VUI). Following a risk assessment with the relevant expert committee, such as the World Health Organization, a VUI may be designated as a variant of concern (VOC).

Due to the concerning properties, we recognise the importance and need to closely monitor VOC and significant mutations. SNPsig® COVID-19 (20I/501Y.V1+E484K) is a CE Marked assay with discriminatory fluorophores to detect the UK variant (20I/501Y.V1) using a unique identifier, plus all variants carrying the E484K mutation. The E484K mutation is seen in all current VOC and is called an escape mutation because it helps the virus slip past the body's immune defences to evade host antibodies and may, as a result, diminish the efficacy of immunisation.

KEY FEATURES

- **Can be used as reflex testing as only extracted RNA is needed.**
- **Streamlined workflow for easy use with readily prepared Mastermix.**
- **Open platform compatibility, (requires FAM, HEX/VIC, ROX and CY5).**
- **No cold chain shipping.**
- **Results in under 2 hours.**

KEY BENEFITS

- **An alternative to next generation sequencing and S gene target failure (SGTF), it enables scientists to analyse and monitor these specific genomic mutations.**
- **Pivotal in the role of screening for SARS-CoV-2 Variants for the purpose of genomic surveillance studies.**

VALIDATED USE

Sample types	PCR platform
RNA extraction used for diagnosis	Applied Biosystems® 7500 (Thermofisher) CFX Opus (Bio-Rad) LightCycler® 480 II (Roche) genesig® q32 (Primerdesign, Novacyt)

ORDERING INFORMATION

	SNPsig® COVID-19 (20I/501Y.V1+E484K)
Product code	D00066
Pack size	96 reactions (Mastermix included)

Read the blog post SARS-CoV-2 Mutations – Cause for Concern?
on https://blog.primerdesign.co.uk/sars-cov-2-mutations-cause-for-concern/

Contact us today for more information:
+44 (0) 02380 748 830 enquiries@primerdesign.co.uk

www.primerdesign.co.uk

www.novacyt.com

Primerdesign Ltd. York house, School Lane
Chandler's Ford SO53 4DG
United Kingdom