



virellaSARS-CoV-2 seqc real time RT-PCR kit 2.0 (gerbion cat. No. G01128)
respiraScreen 1 real time RT-PCR kit (gerbion cat No. G01129)
respiraScreenSC2-FluA/B seqc (gerbion cat. No. G01130)
respiraScreen 2 real time RT-PCR kit (gerbion cat No. G01131)
virellaSARS-CoV-2 4G seqc real time RT-PCR kit (gerbion cat. No. G01137)

UPDATE 2022/01/25

Influence of mutations in the SARS-CoV-2 Spike protein gene on the detection:

In silico analysis by gerbion, analyzing the following spike protein gene mutations was performed on the available sequences in the global databases of gene bank (NCBI) and GISAID (EpiCov™).

The screened variants include the Variants of Concern / Variants of Interest / Variants under Monitoring:

VOC: B.1.1.7 [**Alpha**]*, B.1.351 [**Beta**], P.1/B.1.1.28 [**Gamma**], B.1.617.2 [**Delta**] (all AY Subvariants),
B.1.1.529 [**Omicron**] (Subvariants BA.1, BA.2, BA.3)
VOI: B.1.429 [**Epsilon**]*, B.1.427 [**Epsilon**]*, P.2 [**Zeta**]*, B.1.525 [**Eta**]*, P.3 [**Theta**]*, B.1.526 [**Iota**]*, B.1.617.1 [**Kappa**]*,
C.37 [**Lambda**], B.1.621 [**Mu**], AY.4.2 [Subvariant **Delta**]
VUM: B.1.640.1, B.1.640.2

*De-escalated variants by at least one of the following criteria: (1) the variant is no longer circulating, (2) the variant has been circulating for a long time without any impact on the overall epidemiological situation, (3) scientific evidence demonstrates that the variant is not associated with any concerning properties. (ecdc.europa.eu/en/covid-19/variants-concern)

None of the mutations in any of the listed variants shows an impact on the sensitivity and specificity of the named real time RT-PCRs.

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gerbion GmbH & Co. KG