



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 2022/06/02

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: **[Alpha]*, [Beta]*, [Gamma]*, [Delta]** (all AY Subvariants), **[Omicron]** (BA.1, BA.2, BA.4, BA.5)

VOI: **[Epsilon]*, [Zeta]*, [Eta]*, [Theta]*, [Iota]*, [Kappa]*, [Lambda]*, [Mu]***

VUM: **[Omicron]** (BA.3, BA.2 + L452X),

*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.

Kornwestheim, 02/06/2022

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