

RealStar® and AltoStar® SARS-CoV-2 RT-PCR kits detect E gene and S gene variants of SARS-CoV-2 sequences

The RealStar® SARS-CoV-2 RT-PCR Kit 1.0 (Cat. # 821015/Cat. # 821019) and the AltoStar® SARS-CoV-2 RT-PCR Kit 1.5 (Cat. # AS0821513/Cat. # AS0821517) are *in vitro* diagnostic tests, based on real-time PCR technology, for the qualitative detection of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) specific RNA.

We are aware of the SARS-CoV-2 variant known as Omicron (B.1.1.529) which recently was first detected in South Africa and is defined by more than 30 variant spike protein mutations:

- A67V
- H69del
- V70del
- T95I
- G142D
- V143del
- Y144del
- Y145del
- N211del
- L212I
- ins214EPE
- G339D
- S371L
- S373P
- S375F
- K417N
- N440K
- G446S
- S477N
- T478K
- E484A
- Q493R
- G496S
- Q498R
- N501Y
- Y505H
- T547K
- D614G
- H655Y
- N679K
- P681H
- N764K
- D796Y
- N856K
- Q954H
- N969K
- L981F

These mutations do not impact the ability of the RealStar® SARS-CoV-2 RT-PCR Kit 1.0 and the AltoStar® SARS-CoV-2 RT-PCR Kit 1.5 to detect SARS-CoV-2 specific RNA.