

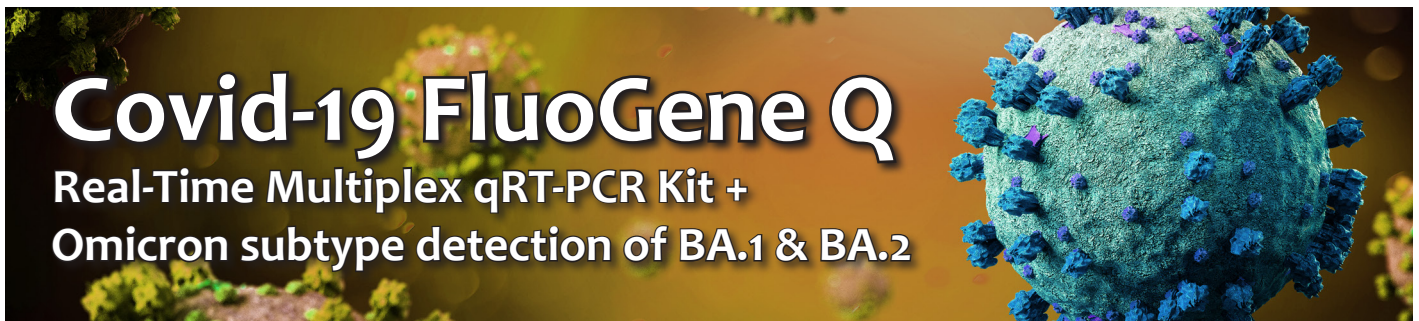
Covid-19 FluoGene Q: RNA detection of SARS-CoV-2 and Omicron subtypes BA.1 and BA.2

SARS-CoV-2 is a novel coronavirus causing the coronavirus disease 2019 (Covid-19). It is closely related to the SARS virus and was first identified in December 2019 in Wuhan, China. By now it has spread globally resulting in an ongoing pandemic. Covid-19 FluoGene Q kit is a CE-IVD marked dual-target multiplex qRT-PCR for the qualitative detection of severe acute respiratory syndrome coronavirus (SARS-CoV-2) specific RNA. The system works with any RNA isolation method, but ideally it is combined with automated viral DNA/RNA extraction consisting of the BEXS12 instrument and the BEXS12 Ready Viral DNA/RNA Bead Kit. The isolated RNA target is transcribed into cDNA and

the target genes are amplified in a single step qRT-PCR. The primer probe mixes detect the SARS-CoV-2 specific genes M and N1, as well as the human RNase P gene as an internal control reaction. A positive control is included in the test system.

UPDATE:

The fast spreading SARS-CoV-2 variant Omicron (B.1.1.529) superseded all known variants. The Omicron variant has two subvariants, the former main subvariant BA.1 and the newer subvariant BA.2, which itself seems to replace BA.1. Our Covid-19 FluoGene Q – VoXscreen detects SARS-CoV-2 RNA as well as discriminates between Omicron subtypes **BA.1** and **BA.2**.



FEATURES

- One-Step qRT-PCR rapid test
- Detection of SARS-CoV-2 M and N1 genes
- Internal control detecting *human RNase P* gene in each well
- Positive Controls + Nuclease-free water provided
- Validated with BEXS12 automated RNA extraction
- Validated on FluoQube, QTower, ABI7500 + Quantstudio 6 Pro
- Detects all known variants, as of today 10th Mar. 2022
- CE IVD

UPDATE

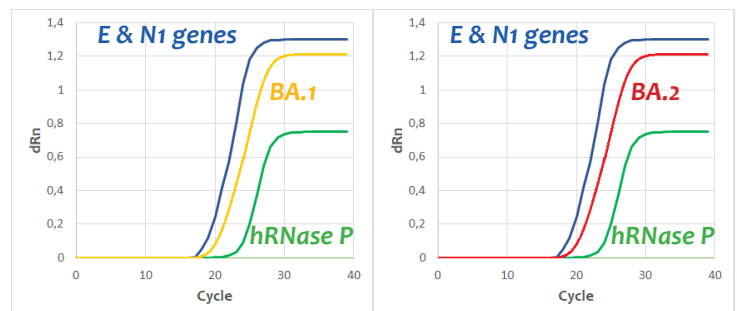
- Omicron variant subtype detection of BA.1 and BA.2
- Independent Positive Controls for BA.1 and BA.2

Target	Reporter Dye
SARS-CoV-2 E & N1 gene	FAM
Human RNase P gene	JOE
Omicron BA.1 detection	ROX
Omicron BA.2 detection	Cy5

ORDERING INFORMATION

ARTICLE NO.	ARTICLE
003 COV 096	Covid-19 FluoGene Q (96 reactions)
003 COV 500	Covid-19 FluoGene Q (500 reactions)
003 COV 960	Covid-19 FluoGene Q (960 reactions)
GX01050	BEXS12 Bead Extraction System
GX01054	BEXS12 Ready Viral DNA/RNA Bead Kit
005 010 000	FluoQube System, incl. computer system and software package

RESULT INTERPRETATION



SARS-CoV-2 positive with Omicron BA.1 variant

SARS-CoV-2 positive with Omicron BA.2 variant



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