

High sensitivity of virus detection in diluted samples/ Early Ct / Great reaction efficiency of highQu 4X 1Step RT qPCR Probe Kit compared to competing kit for Sars-CoV-2 detection

APPLICATIONS

- Viral RNA detection in diluted low copy number samples
- RT qPCR assays based on specific probes: including TaqMan®, Molecular Beacons, Scorpions™ Probes
- Quantification of any RNA template (mRNA, total RNA, viral RNA), low copy number genes

DESCRIPTION

- High sensitivity even with diluted samples
- Great reaction efficiency
- Reproducible results
- Early Ct

RT qPCR performed according to product manual recommendations. Targeting region of the 2019-nCoV RdRp gene with Charité RdRp SARS primers and probe.

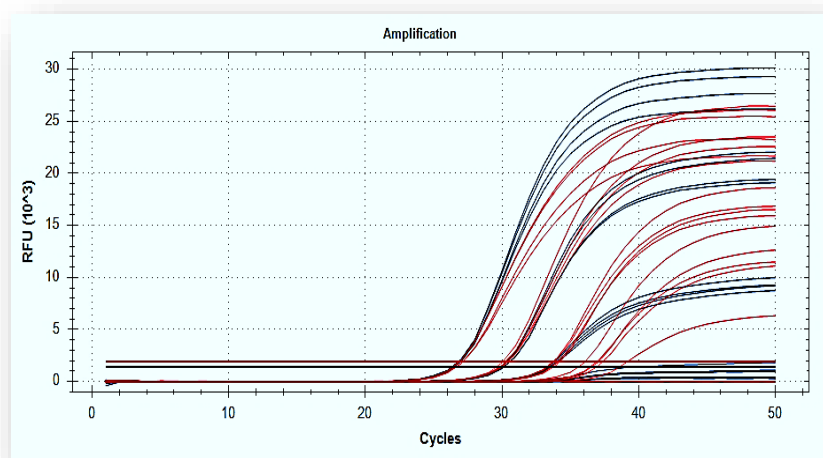
- Template: Quantitative Synthetic SARS-CoV-2 RNA: ORF, E, N ATCC® VR-3276SD™
- Template RNA dilutions in copies per 20 µl reaction: 50000 / 5000 / 500 / 50 / 5
- Cycling: 5 min 50°C / 3 min 93°C
50X: 15 sec 95°C / 30 sec 58°C

Red – 4X 1Step RT qPCR Probe Kit
Blue – competitor kit

BENEFITS

- Robust 4X qPCR mix for high sample volume input up to 10 µl
- Detects <5 RNA copies per reaction
- Successfully tested for Sars-CoV-2 detection
- Reverse transcription and qPCR in one tube with highest sensitivity
- Ideal for multiplex reactions
- Universal - both standard and fast cycling, GC/AT rich templates

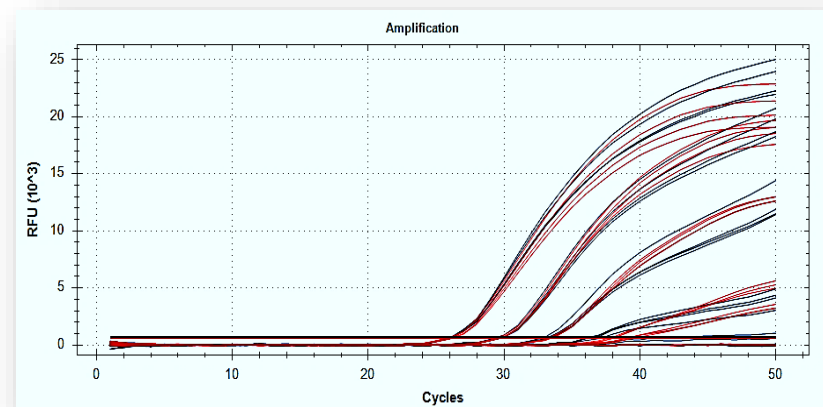
IMAGE



RT qPCR performed according to product manual recommendations. Targeting region of the 2019-nCoV E Gene with Charité E Sarbeco primers and probe.

- Template: Quantitative Synthetic SARS-CoV-2 RNA: ORF, E, N ATCC® VR-3276SD™
- Template RNA dilutions in copies per 20 µl reaction: 50000 / 5000 / 500 / 50 / 5
- Cycling: 5 min 50°C / 3 min 93°C
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20 µl reactions included: Reverse & Forward Primer at 0.5 µM final concentration; Probe at 125 nM final concentration; 5 µl of 1Step RT qPCR Probe Mix, 4X; 1 µl of RT4 Mix, 20X; and template RNA as listed above in different dilutions made with water which is supplied in the kit.

ORDERING

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