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# Product Datasheet

## Volcano3G® RT-PCR Probe 2x Master Mix (+high ROX / low ROX) 6201

**Product Name**
Volcano3G® RT-PCR Probe 2x Master Mix (+high ROX / low ROX)

**Catalog Number**
#6201

**Description**
Volcano3G® RT-PCR Probe 2x Master Mix has all necessary components for sensitive and reliable RT-qPCRs. It includes an aptamer-based fast-start formulated enzyme blend of a robust Taq DNA polymerase and an engineered thermostable Volcano3G® DNA polymerase with reverse transcriptase activity. With the combination of optimized reaction buffer, ultrapure dNTPs and a blue stain for visualization, Volcano3G® RT-PCR Probe 2x Master Mix reduces the need for sample extraction and sample lysis. Volcano3G® RT-PCR Probe 2x Master Mix enables amplification of RNA target sequences with quick and easy PCR protocols, even including "zero-step" amplification. Supplied with high ROX concentration (500 nM) or low high ROX concentration (50 nM).

For more information, please check :
**Volcano3G® RT-PCR Probe 2x Master Mix (+high ROX)**

**Tested Applications**
End-Point, Real-Time

**Brand**
myPOLS Biotec

**Storage**
-20°C

**References**

Zander, J., Scholtes, S., Ottinger, M., Kremer, M., Kharazi, A., Stadler, V., ... & Hauck, C. R. (2021). Self-Collected Gargle Lavage Allows Reliable Detection of SARS-CoV-2 in an Outpatient Setting. Microbiology spectrum, 9(1), e00361-21.

Kuiper, J. W., Baade, T., Kremer, M., Kranaster, R., Irmisch, L., Schuchmann, M., ... & Hauck, C. R. (2020). Detection of SARS-CoV-2 from raw patient samples by coupled high temperature reverse transcription and amplification. PloS one, 15(11), e0241740.

Schwaderer, J., Phan, T. S., Glöckner, A., Delp, J., Leist, M., Brunner, T., & Delgado, M. E. (2020). Pharmacological LRH-1/Nr5a2 inhibition limits pro-inflammatory cytokine production in macrophages and associated experimental hepatitis. Cell death & disease, 11(2), 1-13.

Chovancova, P., Merk, V., Marx, A., Leist, M., & Kranaster, R. (2017). Reverse-transcription quantitative PCR directly from cells without RNA extraction and without isothermal reverse-transcription: a ‘zero-step’RT-qPCR protocol. Biology Methods and Protocols, 2(1), bpx008.

**Content**

S pack: 1 x 1.25 ml Volcano3G® RT-PCR Probe 2x Master Mix (+high ROX)

S pack: 1 x 1.25 ml Volcano3G® RT-PCR Probe 2x Master Mix (+low ROX)

M pack: 5 x 1.25 ml Volcano3G® RT-PCR Probe 2x Master Mix (+high ROX)

M pack: 5 x 1.25 ml Volcano3G® RT-PCR Probe 2x Master Mix (+low ROX)