

## Product Datasheet

### Volcano3G® RT-PCR Probe 2x Master Mix 6101

**Product Name** Volcano3G® RT-PCR Probe 2x Master Mix

**Catalog Number** #6101

**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.

For more information, please check :

**Volcano3G® RT-PCR Probe 2x Master Mix**

**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

M pack: 5 x 1.25 ml Volcano3G® RT-PCR Probe 2x Master Mix