

Product Datasheet

**Volcano3G® RT-PCR 2x Master Mix (+GreenDye, +high ROX / low
ROX)
6401**

Product Name	Volcano3G® RT-PCR 2x Master Mix (+GreenDye, +high ROX / low ROX)
Catalog Number	#6401
Description	<p>Volcano3G® RT-PCR 2x Master Mix (+GreenDye) is a ready-to-use master mix for reliable qPCR and RT-qPCR in all standard PCR cyclers. The mix contains 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. The mix is supplemented with a highly sensitive GreenDye (#2000) with low polymerase inhibition. Volcano3G® RT-PCR 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 with low ROX concentration (50 nM).</p> <p>For more information, please check : Volcano3G® RT-PCR 2x Master Mix (+GreenDye, +high ROX)</p>
Tested Applications	(q)PCR, RT-(q)PCR
Brand	myPOLS Biotec
Storage	-20°C
References	<p>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. <i>Microbiology spectrum</i>, 9(1), e00361-21.</p> <p>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. <i>PLoS one</i>, 15(11), e0241740.</p> <p>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. <i>Cell death & disease</i>, 11(2), 1-13.</p> <p>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. <i>Biology Methods and Protocols</i>, 2(1), bpx008.</p>
Content	<p>S pack: 1 x 1.25 ml Volcano3G® RT-PCR 2x Master Mix (+GreenDye, +high ROX)</p> <p>S pack: 1 x 1.25 ml Volcano3G® RT-PCR 2x Master Mix (+GreenDye, +low ROX)</p> <p>M pack: 5 x 1.25 ml Volcano3G® RT-PCR 2x Master Mix (+GreenDye, +high ROX)</p> <p>M pack: 5 x 1.25 ml Volcano3G® RT-PCR 2x Master Mix (+GreenDye, +low ROX)</p>