

premium research tools since 2013

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GET LYO-READY WITH HIGHQU

LYO-READY 1 Step RT-qPCR Kits for your RT-qPCR-based diagnostic assays

- Glycerol-free, lyophilization-ready formulation of robust 4X qPCR mix for high sample volume input
- Highly concentrated blend of Reverse transcriptase and RNase Inhibitor for lyophilization workflows
- Detects <5 RNA copies, tested for Sars-CoV-2 detection
- Reverse transcription and qPCR in one tube
- Ideal for multiplex reactions and high throughput assays
- Direct RT-qPCR without RNA extraction

#QOP070LR - Lyo-Ready 4X 1Step RT qPCR Probe Kits
2000 / 10 000 / 100 000 reactions

LYO-READY Hot Start PCR Enzyme for your PCR-based diagnostic assays

- Concentrated Taq optimized for lyophilization ensuring minimal glycerol and detergent concentration in lyophilization mixtures
- Special Protein Blend enables the hot start function of Taq for low copy number target detection
- High yields under standard and fast cycling conditions
- Robust amplification of GC rich templates

#HSE010LR - Lyo-Ready Taq Polymerase, 250 u/μl
supplied with Lyo-Ready HS Protein Blend

Optical Genome Mapping as a Diagnostic Tool in Pediatric Acute Myeloid Leukemia *Cancers*, 2022

Validation of Newly Detected SVs by Long-Distance Touchdown PCR and Sequencing: ...Primer walking was used to amplify the breakpoint. The identified breakpoints were re-confirmed by a breakpoint-spanning PCR using the **ALLin™ HS Red Taq Master Mix** (highQu GmbH, Kraichtal, Germany)...

Development of the first PVM TaqMan® primer set and a one-step real-time multiplex DiRT-PCR for the detection of PLRV, PVY, PVM, PVS, PVA and PVX in potato tuber sap *The European Journal of Plant Pathology*, 2022

We extended the reverse transcription in (MV) to 1 h and changed the reverse transcriptase from SuperScript®III (Thermo Fisher Scientific) to **HighScriber™ Reverse Transcriptase** (HighQu...).

Diversity of Streptomyces spp. from mangrove forest of Sarawak (Malaysia) and screening of their antioxidant and cytotoxic activities *Nature Scientific Reports*, 2019

Genomic DNA extraction was performed...PCR amplification of 16S rRNA gene was carried out in a final volume of 20 μL using TurboCycler 2... based on protocol adapted from Lee et al. 65, with **highQu Taq DNA polymerase** (Kraichtal, Germany)

Metabolic engineering of Corynebacterium glutamicum for de novo production of 3-hydroxycadaverine *Current Research in Biotechnology*, 2022

ALLin HiFi DNA Polymerase (HighQu, Kraichtal, Germany) was used to amplify DNA sequences with plasmid or genomic DNA as template. The oligonucleotides which were used as primers in this study are...

LYO-TEST RT-qPCR Kit for testing and evaluation for your RT-qPCR-based diagnostic assays

- Glycerol-free, lyophilization-ready formulation of robust 4X qPCR mix for high sample volume input
- 20X concentrated blend of Reverse transcriptase and RNase Inhibitor for pre-lyophilization testing workflows
- Detects <5 RNA copies, tested for Sars-CoV-2 detection
- Reverse transcription and qPCR in one tube
- Ideal for multiplex reactions and high throughput assays

#QOP070LT - Lyo-Test 4X 1Step RT qPCR Probe Kit (evaluate)
200 r of 20 μl each

LYO-READY qPCR Master Mixes for your qPCR-based diagnostic assays

- Glycerol-free, lyophilization-ready formulation of robust 4X qPCR mix for high sample volume input
- Universal mix - both standard and fast cycling, all probe qPCR assays, GC or AT rich templates
- Excellent for multiplexing and high throughput
- Rapid extension, early Ct
- Direct qPCR without DNA extraction

#QPP070LR - Lyo-Ready ORA™ qPCR Probe Mix, 4X
2000 / 10 000 / 100 000 reactions

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REAGENTS, ENZYMES, MIXES FOR DIAGNOSTIC KIT PRODUCERS

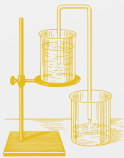
1 Step RT-qPCR Kits in both common and lyo-ready format for your RT-qPCR-based diagnostic assays



- Kits include 4X (or 2X) concentrated qPCR mix and a blend of thermostable Reverse Transcriptase with RNase Inhibitor
- 4X concentrated qPCR mix for the highest sample volume input
- Robust, inhibitor-resistant polymerase, designed for fast-cycling and multiplex reactions

- Flexible volumes of qPCR mixes, f. e. 5, 50, or 500 ml
- Variants with different ROX concentrations
- PCR Water supplied optionally
- 1Step RT qPCR Kits with 4X qPCR Mix:
#QOP04/5/6 - 4X 1Step RT qPCR Probe Kits (different ROX conc.)
#QOP070LR - Lyo-Ready 4X 1Step RT qPCR Probe Kits
#QOP070LT - Lyo-Test 4X 1Step RT qPCR Probe Kits (evaluate)
- 1Step RT qPCR Kits with 2X qPCR Mix:
#QOP01/2/3 - 1Step RT qPCR Probe Kits (different ROX conc.)

qPCR Mixes in both common and lyo-ready format for your qPCR-based diagnostic assays



- Either 4X or 2X concentrated qPCR mix
- 4X concentrated qPCR mixes for the highest sample volume input
- Robust, inhibitor-resistant polymerase, designed for fast-cycling and multiplex reactions

- Flexible volumes of qPCR mixes, f. e. 5, 50, or 500 ml
- Variants with different ROX concentrations
- PCR Water supplied optionally
- 2X qPCR Mixes:
#QPP01/2/3 - ORA™ qPCR Probe Mix, 2X (different ROX conc.)
- Lyo-Ready 4X qPCR Mix:
#QPP070LR - Lyo-Ready ORA™ qPCR Probe Mix, 4X

Isothermal Amplification Kits for your LAMP-based diagnostic assays

- #IDK01 - ALLin™ Isothermal DNA Amplification Kit (Bst)
- #IDK02 - ALLin™ Isothermal RNA Amplification Kit (Bst & RT)

dNTPs, PCR enzymes and mixes in both common and lyo-ready format for your PCR assays



- Robust Hot Start Taq with high-performance ALLin™ Buffer, excellent for direct PCR
- 2X master mix format
- Inhibitor-resistant polymerase, designed for fast cycling and multiplex reactions
- Extrapure and stable dNTPs as mixes or sets

- Flexible volumes of PCR mixes, f. e. 5, 50, or 500 ml
- PCR Water supplied optionally
- Track/citations history since 2013
- Hot Start Taq in different formats:
#HSE01 - ALLin™ Hot Start Taq Polymerase, 5 u/μl
#HSE010LR - Lyo-Ready Hot Start Taq Polymerase, 250 u/μl
#HSM02 - ALLin™ Hot Start Taq Mastermix, 2X
- Highest quality, >99% HPLC pure dNTPs in liters:
#NUM01 - 25 mM dNTP Set / #NUS01 - 100 mM dNTP Sets
#NUM02 - 10 mM dNTP Set

Reverse Transcriptases and RNase Inhibitors for your RNA-detection-based diagnostic assays



- Thermostable Reverse Transcriptase
- cDNA synthesis from complex templates at up to 55°C with high sensitivity
- Extraordinary stable and robust RNase Inhibitor
- Efficient RNase inhibition even at higher temperatures up to 60°C

- Flexible volumes of RT enzymes/blends:
#RTM03 - HighScriber™ Reverse Transcriptase Mix (RT & RNI blend)
#QOP070LRc2 - Lyo-Ready RT7 Mix (RT & RNI blend in HC)
- Flexible volumes of room temperature stable RNI:
#RNI03 - SecurIN™ Advanced RNase Inhibitor, 40 u/μl
- Ready -to-use kit for cDNA synthesis prior to qPCR:
#RTK01 - qScriber™ cDNA Synthesis Kit

Tools for simplified Nucleic Acid extraction

- #PRK01 - Proteinase K MBG Solution, 20 mg/ml
- #SCR01 - Synthetic Carrier RNA (1 or 10 mg/ml solution)
- #DPK01 - SampleIN™ Direct PCR Kit for crude sample PCR