

Novel RT-qPCR Reagents

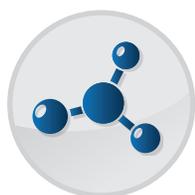
Specialized master mixes for molecular diagnostic assays



Meridian's portfolio of RT-qPCR master mixes have been designed to simplify the development of molecular assays and enable new features such as extraction-free amplification. Each master mix contains a hot-start polymerase, dNTPs, buffer and other components optimized for each particular application (e.g. lyophilization). Only primers and probes are required to complete the assay formula.

By using a master mix in which the upstream formulation chemistry has already been refined for superior performance under fast or challenging cycling conditions, assay development can be concentrated to other elements of the assay design. Important features for successful next generation molecular assays include earlier detection, simplified workflow format and shorter time to results.

RT-qPCR Master Mixes for a range of applications



Extraction-free assays



Automated platforms



Ambient temperature assays



Multiplex detection

Product Selection Chart



Inhibitor-Tolerant RT-qPCR Mix

Optimized for extraction-free assays from crude clinical specimens (sputum, saliva and stool)



Fast 1-Step RT-qPCR Mix

Ideal for multiplex assays on fast, automated high-throughput systems



Low LOD 1-Step RT-qPCR

Designed for multiplex detection of viruses for applications such as blood bank testing



Lyo-Ready™ 1-Step RT-qPCR Mix

Pre-formulated with lyo-excipients for lyophilization into beads or cakes



Air-Dryable™ 1-Step RT-qPCR Mix

Ready-to-use mix compatible with a range of air-drying protocols to produce an ambient temperature stable assay

Features

Cat#	MDX016	MDX032	MDX025	MDX024	MDX095
Concentration	4x	2x	2x	2x	4x
Presentation	Single-tube mix	3 tubes (<i>Polymerase, Reverse Transcriptase, RNase Inhibitor</i>)	Single tube mix	3 tubes (<i>Polymerase, Reverse Transcriptase, RNase Inhibitor</i>)	Single tube mix
Master Mix	✓	✓	✓	✓	✓
Hot-Start	Antibody	Antibody	Antibody	Antibody	Antibody
Ambient-Temperature Assays	-	-	-	★	★
Multiplex Reactions	★	★	★	★	★
RNA/DNA Extraction-free protocols	★	-	-	-	-
Contains dUTP	-	-	★	-	-

RT-qPCR Control

RT-qPCR Extraction Control

- Monitors assay inhibition
- Suitable for use with inhibitor-rich samples

MDX028 (Red, Quasar 670)
MDX029 (Orange, Cal Fluor Orange)

VLP RNA Extraction Control

- Closely mimics the test sample
- Undergoes the same processing from lysis and extraction to detection
- Compatible with lyophilization for creating freeze-dried mixes

MDX068 (Red, Cy5)
MDX069 (Orange, HEX)
MDX071 (Custom)

* Recommended

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