

# MMLV-RT

## Product Handling Guide

Shipping:	On Dry or Blue Ice
Catalog number:	MDX044
Batch No.:	See vial
Concentration:	100x

Store at -20 °C



### Storage and stability:

MMLV-RT is shipped on dry or blue ice. On arrival store at -20 °C for optimum stability. Repeated freeze/thaw cycles should be avoided. Thawing during transportation does not affect the product performance. Solutions should be mixed/equilibrated after each thawing to avoid phasing.

### Expiry:

When stored under the recommended conditions and handled correctly, full activity of the kit is retained until the expiry date on the outer box label.

### Safety precautions:

Read and understand the SDS (Safety Data Sheets) before handling the reagents. Hardcopies of the SDS will be provided with the first shipment, thereafter they will be available upon request.

### Quality control:

Bioline operates under ISO 13485 Quality Management System. MMLV-RT and its components are extensively tested for activity, processivity, efficiency, heat activation, sensitivity, absence of nuclease contamination and absence of nucleic acid contamination.

### Notes:

This reagent has been manufactured under 13485 Quality Management System and is suitable for further manufacturing use as an IVD component.

## Description

MMLV-RT (Moloney Murine Leukemia Virus Reverse Transcriptase) is a reverse transcriptase that can be used for cDNA synthesis and subsequent PCR or qPCR in a one-step or two-step assay. MMLV-RT is used for the detection of RNA at low levels, making it ideal for most qPCR applications.

## Kit components

Table 1

Component
MMLV-RT, 100x

## Users Guidelines

Recommended reagent volumes per 20 µL in a 1-Step RT-qPCR mix are given in Table 2.

Table 2

Reagent	Volume
1-Step RT-qPCR Mix, 2x	10 µL
MMLV-RT, 100x	0.2 µL
Primer-Probe Mix, 20x	1 µL
Purified template	x µL
RNase Inhibitor	0.4 µL
Water	x µL
<b>Total volume</b>	<b>Up to 20 µL</b>

Related Products	Cat. No.
Taq DNA Polymerase	MDX001
Taq HS Antibody	MDX014
Taq HS DNA Polymerase	MDX008
1-Step qPCR Buffer, 4x	MDX034
RNase Inhibitor	MDX056

## Technical Support

For any technical enquiries, please contact our Technical Support team via email at: [mbi.tech@meridianlifescience.com](mailto:mbi.tech@meridianlifescience.com)

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