



DATA SHEET

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> M-MLV SuperMix 5X full

MMLV Mix 5X full is a premixed, ready-to-use reagent (GeneSpin proprietary formulation) containing, dNTPs, MgCl₂, DDT, oligo d(T), random primers and stabilizers optimized for first strand cDNA synthesis. M-MLV Reverse Transcriptase is supplied directly in the SuperMix 5X. RNase inhibitor is supplied directly in the SuperMix 5X or in a different tube. The MMLV Mix 5X full composition is particularly recommended for gene expression analysis in RT-PCR and Real time RT-qPCR.

<i>cat. no.</i>	<i>amount</i>	<i>note</i>
STS-MSXF 10	100ul	all stuffs in the same tube, with RNase
STS-MSXF 100	4x100ul	all stuffs in the same tube, with RNase
STS-MSXFw 10	100ul	all stuffs in the same tube, w/o RNase
STS-MSXFw 100	4x100ul	all stuffs in the same tube, w/o RNase

FOR RESEARCH USE ONLY

SHIPPING

Shipped in green ice.

STORAGE

Store at -20C°

SHELF LIFE

12 months

FORM

liquid

CONCENTRATION

5X M-MLV Super Mix FULL

<i>component</i>	STS-MSXF 10	STS-MSXF 100	STS-MSXFw 10	STS-MSXFw 100
5X M-MLV S Mix full	100ul / 25 reactions	4 x 100ul / 100 reactions	100ul / 25 reactions	4 x 100ul / 100 reactions
RNase free Water	1ml	1ml	1ml	1ml
RNase	in the 5X M-MLV Buffer	in the 5X M-MLV Buffer	-	-



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First Strand cDNA synthesis

Assay Set-Up:

Before starting, vortex all components thoroughly to ensure homogeneity.

Prepare a premix for the number of assays you need according to the following protocol:

<i>component</i>	<i>stock conc.</i>	<i>final conc.</i>	<i>20ul reaction</i>
5X M-MLV Buffer	5X	1X	4.0ul
RNA	-	-	1ng to 4ug
nuclease free water	-	-	up to 20ul

First Strand cDNA synthesis

Protocol:

Spin down the tubes/plate briefly to remove bubbles.

25°C	5min
42°C	30min
85°C	5min