



DATA SHEET

> M-MLV SuperMix 5X + M-MLV

MMLV Mix 5X 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 and RNase inhibitor are not supplied directly in the SuperMix 5X but in a different tube.

<i>cat. no.</i>	<i>amount</i>	<i>note</i>
STS-MSX 10	100ul	M-MLV in different tube, with RNase
STS-MSX 100	4x100ul	M-MLV in different tube, with RNase
STS-MSXw 10	100ul	M-MLV in different tube, w/o RNase
STS-MSXw 100	4x100ul	M-MLV in different 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, 200U/ul M-MLV Reverse Transcriptase (cat no. STS-MRT)

<i>component</i>	STS-MRT10	STS-MRT50	STS-MRT200	STS-MRT200
5X M-MLV Buffer	100ul / 25 reactions	4 x 100ul / 100 reactions	100ul / 25 reactions	4 x 100ul / 100 reactions
M-MLV Reverse T.	200U/ul / 25ul	200U/ul / 100ul	200U/ul / 25ul	200U/ul / 100ul
RNase free Water	1ml	1ml	1ml	1ml
RNase	in the 5X M-MLV Buffer	in the 5X M-MLV Buffer	-	-

> M-MLV Reverse Transcriptase

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
M-MLV Reverse T.	200U/ul	100-200U	0.5-1ul
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