



76516

## M-MLV (Recombinant)

Part E

### Specifications

Appearance (Form)	Liquid
Appearance (Colour)	Colourless
Appearance (Clarity)	Clear
Absence of nucleases	Tested using relevant procedures
Amplification capability	Tested by RT-PCR

### Other Information

Description

Moloney Murine Leukemia Virus Reverse Transcriptase (M-MLV RT) uses single-stranded RNA or DNA in the presence of a primer to synthesize a complementary DNA strand.

This enzyme is isolated from E. coli expressing a portion of the pol gene of M-MLV on a plasmid. The enzyme is used to synthesize first-strand cDNA up to 5 kb.

The enzyme has increased thermal stability, that allows the reaction to be carried out at a higher temperature (optimum activity at 50°C). It increases the efficiency and specificity of those transcribed RNA regions which are rich in GC pairs and/or contain secondary structures. The enzyme has no 3' to 5' exonuclease and reduced RNaseH activity, that improves the synthesis of a full-length cDNA, even from long mRNA templates, using random priming. The enzyme gives high yields of first strand cDNA synthesis up to 10kb long.

#### Applications

PCR,  
real-time PCR  
second strand cDNA synthesis  
DNA labeling  
Analysis of RNA by primer extension

5000U  
· M-MLV (Recombinant) (200U/?l) - 25 ?l  
· Reaction Buffer (10X) - 50 ?l

Includes

10000U  
· M-MLV (Recombinant) (200U/?l) - 50 ?l  
· Reaction Buffer (10X) - 100 ?l

## General Information

Storage	-20 °C (Blue/Dry Ice)
Shelf Life	24 Months
IMDG Identification	Not Regulated for Transport (Non-Haz)
HSN Code	
10000 Units	38229090 (GST 12%)
5000 Units	38229090 (GST 12%)

## Available Packages

5000 Units

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10000 Units

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### Disclaimer

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