M-MLV Reverse Transcriptase

Catalog Number	LDG0006RF
Package	20,000 U / 50,000 U / Customized package

For full product information, images and publications, please visit our website.

Overview

Description

Moloney Murine Leukemia Virus (M-MLV) Reverse Transcriptase is an RNA-dependent DNA polymerase that synthesizes the first strand of complementary cDNA from a single-stranded RNA template with hybridized primer. This kit features high activity formulation of M-MLV RT and 5X reverse transcription buffer which are capable of full-length cDNA synthesis and high cDNA yields.

Product Note

5X M-MLV Reverse Transcriptase Buffer: 250 mM Tris-HCl (pH 8.3), 15 mM $MgCl_2$, 375 mM KCl, and 50 mM DTT. After the reaction is complete, M-MLV RTase can be inactivated by incubation at 65°C for 20 minutes

Components

Package	Items	Quantity
20,000 U	M-MLV Reverse Transcriptase (200 U/μL)	1 vial (20,000 U)
	5× M-MLV Reverse Transcriptase Reaction Buffer	1 vial (1 mL)
50,000 U	M-MLV Reverse Transcriptase (200 U/μL)	1 vial (50,000 U)
	5× M-MLV Reverse Transcriptase Reaction Buffer	1 vial (1 mL)

Specifications

Tainan Headquarter

+886-6-2536677 +886-6-2531536

info@leadgene.com.tw

Taipei Office

+886-2-27065528

Expression System

Escherichia coli

Application

Reverse transcription, RT-PCR

Concentration

200 U/uL

Storage Buffer

M-MLV Reverse Transcriptase is supplied in 20 mM Tris-HCl (pH 7.5), 200 mM NaCl, 0.25 mM EDTA, 0.01% NP-40 (v/v), 2.5 mM DTT and 50% glycerol (v/v).

Purity

>98% as determined by SDS-PAGE analysis.

Unit Definition

One unit is defined as the amount of the enzyme incorporates 1 nmol of dTTP into acidinsoluble product in 10 minutes at 37°C.

Form

Liquid

Instruction

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Stability & Storage

This product is stable after storage at:

- -20°C or -80°C for 12 months under sterile conditions from date of receipt.

Avoid repeated freeze/thaw cycles.

Disclaimer : For Research Use or Further Manufacturing Only.

Tainan Headquarter

+886-6-2536677 +886-6-2531536

info@leadgene.com.tw

Taipei Office

+886-2-27065528