

Gently mix all solutions after thawing. Spin down briefly and keep on ice

Add the following components in a 0.2ml thin walled PCR tube on ice

For 20ul reaction volume

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Reagent:	Volume	Final Concentration	
Primers (Fwd / Rev)	Variable	0.1 - 1µM each	
RNA template	Variable	0.02 - 5µg	$\overline{\gamma}$
Water, nuclease free	Adjust fir	al volume to 10μl	
2X OneStep Taq ReverseTrans PCR Master Mix	10µI	X1*	,
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Incubate primer-RNA template mix at 65 °C for 5 mir

2X OneStep Taq ReverseTrans PCR Master Mix

before adding

40U M-MuLV Reverse Transcriptase, RNase Inhibitors, 1.5U Taq DNA Polymerase, 1X PCR Burler, 0.2mM dNTPs Mix, and enhancers "Higher reaction volume may be achieved provided that the same final concentration of each reaction component is maintained. The n



sts will be reduced if the reaction volume more than 20µl		
Cycling Co	nditions (300bp - 5kb)	
cDNA Synthesis	42°C for 10 - 30 minutes	
Initial Denaturation	94°C for 2 - 5 minutes	
Denaturation	94°C for 30 seconds	
Annealing	50 -68°C for 30 seconds to 1 minute	25 -40 cycles
Extension	72°C for 30 seconds to 2 minutes	Ĺ
Final Extension	79°C for 5 minutes	

Product Datasheet

Product No: RTMM01

ReverseTrans PCR Master Mix * 2ml of Nuclease-free Water

Quantity : 100 reactions

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*This protocol may change depending on the template RNA and primers used

• Saves time and reduces contamination due to reduced number of

tests and pipetting steps.

Features :

- Stable at 4°C for 6 months, allowing immediate reaction setup without the time-consuming thawing of reagent.
- Suitable for all routine RNA amplification applications.

Storage and Stability :

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Description:

DNA AMPLIFICATION PRODUCT

OneStep Tag

ReverseTrans

PCR Master Mix

Expiry Date

Store at -20°C

RT-PCR using only gene-specific primers.

Supplied with : 1ml 2X OneStep Taq

2X OneStep Tag ReverseTrans PCR Master Mix offers rapid and sensitive end-point detection of RNA templates in a single step. 2X OneStep Taq ReverseTrans PCR Master Mix is an optimized ready-

to-use 2X concentrated RNA amplification mixture containing M-MuLV Reverse Transcriptase, RNase Inhibitors, Tag DNA

Polymerase, reaction buffer and dNTPs. It contains all the components required for routine RNA amplification except template and primers. Moloney Murine Leukemia Virus (M-MuLV) Reverse Transcriptase has the absence of RNase H activities that enhance the synthesis of long cDNAs and amplification of long transcripts. 2X OneStep Tag ReverseTrans PCR Master Mix allows one-step

Lot

- 2X OneStep Tag ReverseTrans PCR Master Mix is stable at -20°C for one year or 4°C for 6 months if properly stored.
- 2X OneStep Tag ReverseTrans PCR Master Mix is stable for 20 freeze-thaw cycles. To avoid frequent freeze-thaw, keeping small aliquot at -20°C is recommended.
- For daily use, keeping an aliquot at 4°C is recommended.

Quality Control :

All preparations are assayed for contaminating endonuclease, exonuclease, and non-specific RNase activities. Functionally tested in DNA amplification.

> Product Use Limitation This product is for research purpose and in vitro use only

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