

ReverTra Ace™

(MMLV Reverse Transcriptase RNaseH-)

Code No. TRT-101

Lot No. *****

Size 10,000units

Source : *Escherichia coli* DH5 α Concentration : 100 units/ μ L

Unit Definition : One unit is the amount of enzyme activity that incorporates 1 nmole of dTTP into acid insoluble fraction in 10 minutes at 42°C when poly(A)⁺ RNA and oligo (dT)₂₀ are used as template-primer.

Assay Condition :

50	mM	Tris-HCl(pH8.3)
75	mM	KCl
3	mM	MgCl ₂
10	mM	DTT
240	μ g/mL	poly(A) ⁺ RNA
0.1	μ M	oligo (dT) ₂₀
1	mM	[methyl- ³ H]-dTTP

Storage Buffer :

20	mM	Tris-HCl(pH7.5)
100	mM	NaCl
0.1	mM	EDTA
1	mM	DTT
0.01	%	Nonidet™ P-40
50	%	Glycerol

5 X Buffer : Not containing dNTPs. cDNA synthesis reaction requires 1mM of dNTPs.

Quality Control

1. RNase Activity : When 50 units of this enzyme were incubated with 0.5 μ g of MS2 RNA for 1 hour at 42°C, RNase activity was not observed after agarose gel electrophoresis.

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