

**Data sheet**

This data sheet provided for information only

**MMuLV H- REVERSE TRANSCRIPTASE****RESEARCH USE ONLY****Recombinant MMuLV H- Reverse Transcriptase****SOURCE:****Moloney Murine leukemia virus**

<b>Cat.No.</b>	<b>Pack</b>	<b>Conc.</b>
Dia-9000	10000 Units	100-200 U/ $\mu$ l
Dia-9001	50000 Units	100-200 U/ $\mu$ l

**DESCRIPTION:**

**MMuLV H- Reverse** Transcriptase purified from E.coli strain carrying a **Moloney Murine Leukemia Virus** reverse transcriptase overproducing plasmid. M-Mulv reverse transcriptase is an RNA/DNA dependent polymerase. **Enzyme does not contain *Rnase H* activity.**

**Stability:**

Shelf life 12 months if store at -20°C

**UNIT DEFINITION**

One unit is defined as amount of enzyme, which incorporates 1 nmole deoxyribonucleotide into DE-81 absorbable form in 10 min at 37°C.

**Storage and dilution Buffer:**

10 mM K-phosphate, pH 7.4; 0.5mM EDTA; 1mM DTT; 0.1% Triton X-100 and 50% glycerol

**Reaction Buffer:**

**5X:** 250 mM Tris-HCL, pH 8.3; 15mM MgCL<sub>2</sub>; 500mM KCL; 5mM DTT.

**ASSOCIATED ACTIVITIES:**

Tested for absence of endo-, exonuclease, and ribonuclease activity.

**APPLICATIONS:**

- Reverse Transcription
- combined RT/PCR
- First strand DNA synthesis

**STORAGE CONDITIONS :**Store **MMuLV H- transcriptase** at -20°C**SHIPPING CONDITIONS:**For long distance shipments preferably in **Blue Ice**