



RNasin (RNase inhibitor)

User's Instruction

First-strand cDNA synthesis (20 μ l reaction volume)

Step 1:

Total RNA or Poly(A) ⁺ RNA	1 μ g total RNA or 5~100 ng Poly(A) ⁺ RNA
Oligo (dT) ₁₈ or N ₉	10~100 pmol
DEPC water (RNase and DNase-free)	Variable volume

Denature RNA and primer for 5 min at 70°C, and immediately cool on ice.

Step 2:

5x M-MLV Buffer	4 μ l
dNTP (10 mM each)	2 μ l
RNase inhibitor	20 u
M-MLV RTase	200 u
Total (Step1+Step2)	20 μ l

cDNA synthesis for 1 hr at 37~42°C.