



Ratin Gene High efficient cDNA synthesis Kit provides superior components that ensure efficient first-strand cDNA synthesis from mRNA or total RNA templates. The combination of highly efficient cDNA synthesis, effective RNase inhibition and pure dNTPs allows high yields of cDNAs of more than 19 kb.

For greater application flexibility, hexamer primers, allowing all RNAs in the reaction to be used as templates, and an oligo (dT) primer, for the synthesis of cDNA from only poly(A) tailed mRNA, are included.

cDNA synthesis Protocol:

- Thaw on ice and mix very well all reagents.
- Assemble and keep all reactions on ice.
- Combine the following in an RNase-free reaction tube

RT master mix	9 μ L
Random Hexamer	1 μ L
Olido Dt or specific primer	0.5 μ L
RNA Template	0.1–1 μ g total RNA or 50–500 ng mRNA (polyA)
PCR Grade Water(RNase/DNase free)	variable
Total valume	20 μ L

- Mix and collect the drops by centrifuging briefly.
- When using
 - Hexamer Primer, incubate 10 minutes at 30°C followed by 45–55°C for 20–60 minutes
 - Oligo (dT) or gene-specific Primer incubate at 50–55°C for 20–60 minutes.
- Inactivate enzyme at 85°C for 5 minutes.
- Collect the drops by spinning briefly.
Store products at –20°C or proceed to next step, like PCR or qPCR.



Ratin Gene Company

Keep calm and put your lab coat on



0913 63 62 862



Ratingene.com



Ratingenecompany@gmail.com