DENA ZIST ASIA
Molecular Biology Products

Random Hexamer

Random Hexamer; Catalog number: S-6013; **Size:** 50 µl 100 pmoles/µl; lyophilized

Notes: Research Use Only.
This product insert declares that this product has been analysed and passed the quality control tests at the time of manufacure.

Shipping: ambient temperature

Store at -20°C after preparation

Random Hexamer Primer is a mixture of single-stranded random hexanucleotides. The sequence is 5′-NNNNNN-3′, where N is dA, dT, dG, or dC. The primer is supplied as lyophilized, and is enough for 50 first strand cDNA synthesis reactions.

Preparation before first use:

Centrifuge the tube at 13000 rpm for 2 minutes. Add the volume indicated on the tube from nuclease-free water, vortex for 1 min, and let it seat for 3 minutes. Mix by vortexing for 1 min and breifly spin. This gives a 100 µM (100 pmoles/µl) solution.

Guidelines for reverse transcription reaction

1. Thaw RNA and other materials on ice.
2. Add the reagents in the following order:
   - RNA (100 nanogram to 5 microgram) ... µl
   - Random hexamer primer; 1µl (200 ng) 1 µl (200 ng)
   - H_2O up to 13 µl .
3. Incubate the tube at 70°C for 5 min.
4. Quickly chill the tube on ice.
5. Add the followings in order:
   - RT buffer (5x) 4 µl
   - dNTPs mix (10 mM each) 2 µl
6. Vortex, spin and incubate at 37°C for 5 min.
7. Add 1 µl (200 U) of RT enzyme.
8. Vortex, spin and incubate at the indicated temperature (for MMLV, 42°C) for 60 min. cDNA is made at the end of this period.
9. Stop the reaction by heating at 70°C for 10 min.
10. Chill on ice.
11. Store the cDNA at -20°C, or quickly set up a PCR reaction using cDNA as the template.