# Random Hexamer Primers

| Cat. No. | Size |
|---|---|
| E0101-01 | 20 µg |

**Storage Conditions:** Store at -20°C.
Stable for 12 months

**Description:**

Random Hexamer Primer is a mixture of single-stranded random hexonucleotides with 5' and 3' – hydroxyl ends. Random Hexamer Primers are used for priming single-stranded DNA or RNA by DNA polymerases or reverse transcriptases.

**Primer sequence:**

5'- d (NNNNNN) – 3'
N=G, A, T, C

**Concentration:**
500 ng/µl, 250 µM, 025 nmol/µl.

**Application:**

- cDNA synthesis using reverse transcriptase with RNA template*;
- *in situ* hybridization, Southern, Nothern probe synthesis (1);
- DNA synthesis using Klenow fragment with DNA template;
- radiolabeling of DNA probe (2).

**Note: for reverse transcription use 100-300 ng per 20 µl reaction.*

**Quality Control:**

Assayed for nucleases and non specific RNA and DNA contamination.

**References:**

1. Fisk, F.Z and Hodgson, C.P (1987) Nucl. Acid Res., 15, 6295.
2. Feinberg, A.P. and Vogalstein, B. (1983) Analytical Biochem. 132, 6-13.