



Catalogue Number:
BIO-38028 25µg

Applications

- cDNA synthesis using a Reverse Transcriptase with RNA templates
- DNA synthesis using Klenow fragment with DNA templates
- DNA probe synthesis for use in Southern, Northern, and *in situ* hybridization applications

Description

Random Hexamer Primers consist of a mixture of oligonucleotides representing all possible hexamer sequences. Random Hexamer Primers are commonly used for priming single-stranded DNA or RNA for extension by DNA polymerases or reverse transcriptases. During cDNA generation, random priming gives random coverage to all regions of the RNA to generate a cDNA pool containing various lengths of cDNA. Random priming is incapable of distinguishing between mRNA and other RNA species present in the reaction.

Directions:

Use 1-5µl in a 20µl reverse transcription reaction (50-250ng/reaction).

Product Insert

Random Hexamer Primers

Product Specifications

Batch details:

Batch No: See vial
Pack size: See vial

Storage Conditions:

Random Hexamer Primers can be stored for 12 months at -20°C.

Shipping Conditions:

On Dry Ice or Blue Ice

Primer Sequence:

5' – d (NNNNNN) –3' N = G, A, T or C

Concentration:

500µl at 50ng/µl

Associated Products:

Product Name	Pack Size	Cat. No.
RiboLadder Short	25 Lanes	BIO-33 060
cDNA Synthesis Kit	30 Reactions	BIO-65025
DEPC-treated Water	1 Liter	BIO-38031

References:

1. Feinberg, A.P. & Vogelstein, B. (1983) *Anal. Biochem.* 132:6-13.
2. Feinberg, A.P. & Vogelstein, B. (1984) *Anal. Biochem.* 137:266-267.

Product Citations:

1. Elinson, N.; *et al. British Journal of Nutrition*, **96(4)**, 691-696, 2006.
2. Landau1, Z., *et al. Journal Apoptosis*, **11(5)**, 717-724, 2006.

Notes

1. This product insert is a declaration of analysis at the time of manufacture.
2. Research Use Only.

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