

Random Hexamer Primers

Shipping: On Dry/Blue Ice

Catalog numbers

BIO-38028 : 25µg (500µl)

Batch No.: See vial



A Meridian Life Science® Company

Store at -20°C

Storage and stability:

Random Hexamer Primers is shipped on dry/blue ice. All kit components should be stored at -20°C upon receipt. Excessive freeze/thawing is not recommended.

Expiry:

When stored under the recommended conditions and handled correctly, full activity of the kit is retained until the expiry date on the outer box label.

Primer sequence:

5' - d (NNNNNN) -3' N = G, A, T or C

Concentration:

50µl at 50ng/µl

Quality Control:

Random Hexamer Primers are extensively tested for activity and absence of contamination.

Safety Precautions:

Please refer to the material safety data sheet for further information.

Notes:

For research use only.

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.

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

Directions:

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

Associated Products

Product Name	Pack Size	Catalog No.
Tetro Reverse Transcriptase	10,000 Units	BIO-65050
MyTaq™ One-Step RT-PCR Kit	25 Lanes	BIO-65033
dNTP Set	10,000 Units	BIO-39025

Citations:

1. Konrad, A., *et al. J. Virol.* **83(6)**, 2563-2574 (2009).
2. Dagai, L., *et al. Neurochem. Res.* **34(5)**, 867-875 (2009).
3. Sloboda, D.M., *et al. J. Endocrinol.* **197**, 213-220 (2008).
4. Linda R. & Sheldrick, E.L.R., *et al. Biochem. J.* **406(1)**, 175-183 (2007).
5. Elinson, N., *et al. Br. J. Nut.* **96(4)**, 691-696 (2006).
6. Landau, Z., *et al. Apoptosis* **11(5)**, 717-724 (2006).

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