

Random Hexamer Primers

Shipping: On Dry/Blue Ice

Catalog numbers

BIO-38028 : 25 µg (500 µL)

Batch No.: See vial

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:

500 µL 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 or further manufacturing use only.

Trademarks:

MyTaq is a trademark of Bioline Reagents Ltd.

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

Bioline Reagents Ltd
UNITED KINGDOM
Tel: +44 (0)20 8830 5300
Fax: +44 (0)20 8452 2822

Meridian Life Science Inc.
USA
Tel: +1 901.382.8716
Fax: +1 901.382.0027

Bioline GmbH
GERMANY
Tel: +49 (0)3371 60222 03
Fax: +49 (0)3371 60222 01

Bioline (Aust) Pty. Ltd
AUSTRALIA
Tel: +61 (0)2 9209 4180
Fax: +61 (0)2 9209 4763