Random Hexamer Primers

Shipping: On Dry/Blue Ice

Catalog numbers
BIO-38028 : 25µg (500µL)

Batch No.: See vial

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

Associated Products

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Pack Size</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetro Reverse Transcriptase</td>
<td>10,000 Units</td>
<td>BIO-65050</td>
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<tr>
<td>MyTaq™ One-Step RT-PCR Kit</td>
<td>25 Lanes</td>
<td>BIO-65033</td>
</tr>
<tr>
<td>dNTP Set</td>
<td>10,000 Units</td>
<td>BIO-39025</td>
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</tbody>
</table>

Citations: