

Primers and Adapters

Store at -20°C

Sequencing Primers

Sequencing primers are:

- Supplied lyophilized in 10 mM Tris-HCl, pH 7.5, 1 mM EDTA
- Desalted
- Confirmed by mass spectroscopy and optical density.
- Stable for six months when stored at -20°C .

Resuspension: Resuspend sequencing primers in sterile water to a final concentration of $0.1\ \mu\text{g}/\mu\text{l}$. Store resuspended primers at -20°C .

The table below lists the primer, catalog number, sequence (5'→3'), and pmoles supplied.

<u>Primer Name</u>	<u>Catalog #</u>	<u>pmoles</u>
BGH Reverse TAGAAGGCACAGTCGAGG	N575-02	358
CMV Forward CGCAAATGGGCGGTAGGCGTG	N622-02	306
T7 Promoter TAATACGACTCACTATAGGG	N560-02	327
Universal M13 Forward (-20) GTAAAACGACGGCCAG	N520-02	407
Universal M13 Reverse CAGGAAACAGCTATGAC	N530-02	385

Part no. 100002663PPS

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Adapters

All adapters are:

- Supplied lyophilized
- Desalted
- Confirmed by gel electrophoresis, mass spectroscopy, and optical density.
- Stable for 6 months when stored at -20°C .

Resuspension: Resuspend adapters in sterile water to a final concentration of $1\ \mu\text{g}/\mu\text{l}$. Store resuspended adapters at -20°C .

The table below lists adapters, sequences, catalog numbers, and quantities.

<u>Adapter Name</u>	<u>Catalog #</u>	<u>Quantity</u>
<i>Bst</i> X I 5' PO ₄ [CTTTCCAGCACACA-3' 3'- GAAAGGTC] PO ₄ 5'	N408-18	18 μg
<i>Bst</i> X I/ <i>Eco</i> R I 5' PO ₄ [GAATTCCACCACA-3' 3' CTTAAGGTG] PO ₄ 5'	N418-18	18 μg

Denatured Adapters

Adapters are easily denatured at room temperature. To prevent denaturation, thaw the adapters on ice and keep on ice at all times. **Do not thaw adapters by holding the tube between your fingers.**

If you have problems ligating the adapters, they may have become denatured. To re-nature the adapters:

1. Heat the adapters to 55°C in a heat block.
2. Cool the adapters slowly by taking the heat block out of the unit and placing it on the bench. It will take about 3 hours for the block to cool to room temperature.
3. When the block reaches room temperature, place the block with the adapters in the refrigerator until the block reaches 4°C. Place adapters on ice and use in your experiment. Store the adapters at -20°C.

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