

## Thank you for your Plexor™ primer order! Please read the following instructions carefully to ensure proper dilution of your primers.

### Housekeeping gene primer sets:

Housekeeping gene primer sets are supplied at 2.5 µM (25X) concentration in MOPS/EDTA Buffer (1 mM MOPS, 0.1 mM EDTA, pH 7.4). No additional diluting is required. Use 1 µl in a 25 µl Plexor™ reaction (100 nM at 1X).

### Preparation of custom Plexor™ primers:

Custom Plexor™ primers are supplied lyophilized. Before use you will need to dilute these to a 100 µM concentration in MOPS/EDTA buffer (1mM MOPS, 0.1mM EDTA, pH 7.4, supplied in the Promega Plexor™ Systems or Promega Catalog# Y5101). To do this, locate the "total nmol" value printed on your certificate of analysis. Multiply this number by 10 to determine the volume, in microliters, of MOPS/EDTA buffer to add. You will then need to prepare 5 µM working aliquots. This requires you to make a 1:20 dilution. You may do this by adding 1 µl of your 100 µM concentration to 19 µl of MOPS/EDTA. Use 1 µl of the 5 µM sample per 25 µl Plexor™ reaction (200 nM at 1X).

### Storage:

Store diluted primers at -20 °C.

Primers containing iso-dC must be stored at a pH greater than 7.0. The Promega Plexor™ Systems ([www.promega.com/plexorresources](http://www.promega.com/plexorresources)) include MOPS/EDTA buffer (1mM MOPS, 0.1mM EDTA, pH 7.4) for resuspension and dilution of primers. The MOPS/EDTA buffer may also be purchased separately from Promega Corporation Catalog# Y5101).

**Note:** Some thermocyclers will require calibration. If your instrument requires calibration and you did not order a calibration dye with your plexor order please contact us at [info@biosearchtech.com](mailto:info@biosearchtech.com). To determine if your thermocycler requires calibration visit: [http://www.biosearchtech.com/products/feature/images/mx\\_inst\\_lg.gif](http://www.biosearchtech.com/products/feature/images/mx_inst_lg.gif).



81 Digital Drive, Novato, CA 94949-5750  
1.800.GENOME.1 (436.6631), +1.415.883.8400, +1.415.883.8488 (fax)  
[www.biosearchtech.com](http://www.biosearchtech.com)