

## DNA Ladders

Omega Biotek offers a wide range of products for the accurate size and mass determination of DNA. Most of DNA Ladder includes one or two higher-intensity bands for easy identification and orientation. The ladders are supplied premixed with loading buffer and are stable at room temperature for a few weeks. There is no need to heat, mix, or dilute ladders prior to loading them on gel.

### CL5000 DNA Marker

- **CAT.No.:** M06-01
- **Packing:** 250ul
- **Concentration:** 0.096 ug/ul
- **Store:** at 4°C for periods up to 6 months. For longer periods store at -20°C.
- **Description:** CL5000 DNA Marker is designed for the fast sizing and approximate quantification of wide range double-stranded DNA fragments under a wide range of electrophoresis conditions in agarose gels. The band pattern is not affected by the composition of electrophoresis buffer, voltage and gel percentage. The ladder bands are easily separated in a few minutes at high voltage. The ladder is mixture of nine purified individual DNA fragments (in base pairs): 5000, 3000, 2000, 1500, 1000, 750, 500, 300, 100. It contains two high-intensity bands (500bp and 1500bp) for easy identification and orientation.
- **Direction:**
  - ◇ This product can load directly, since it contains 1× loading buffer. It is free of fluorescence dye such as EtBr.
  - ◇ For a loading well less than 6mm in width, 5ul of this product is enough for clear bands. For a wider well, more product may be required.
  - ◇ Gel and buffer may effect the electrophoresis. For better result, please use high quality agarose and fresh running buffer. 1.0% agarose gel is recommended.
- **Electrophoresis Map:**

