

## 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.

### 100bp DNA Ladder

- **CAT.No.:** M01-01
- **Packing:** 250ul
- **Concentration:** 0.092 ug/ul
- **Store:** at 4°C for periods up to 6 months. For longer periods store at -20°C.
- **Description:** 100bp DNA Ladder is designed for sizing and approximate quantification of wide range linear double-stranded DNA fragments on agarose gel. The ladder is composed of ten purified individual DNA fragments (in base pairs): 1000, 900, 800, 700, 600, 500, 400, 300, 200, 100. It contains one high-intensity band (500 bp) 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. 2% agarose gel is recommended.
- **Electrophoresis Map:**

