

## DNA Ladders

Omega Biotek offers a wide range of products for the accurate size and mass determination of DNA. Most of DNA Ladders 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.

### 200bp DNA Ladder

- CAT.No.: M02-01
- Packing: 250 ul
- Concentration: 0.100 ug/ul
- Store: at 4°C for periods up to 6 months. For longer periods store at -20°C.
- Description: 200bp 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): 3000, 2000, 1800, 1600, 1400, 1200, 1000, 800, 600, 400, 200. It contains one high-intensity band (1000 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. 1.2% agarose gel is recommended.
- Electrophoresis Map:

