

## 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.

### 1kb DNA Ladder plus

- CAT.No.: M09-01
- Packing: 250ul
- Concentration: 0.152 ug/ul
- Store: at 4°C for periods up to 6 months. For longer periods store at -20°C.
- Description: 1kb DNA Ladder plus is designed for sizing and approximate quantification of wide range linear double-stranded DNA fragments on agarose gel. The ladder is composed of fifteen purified individual DNA fragments (in base pairs): 10000, 8000, 6000, 5000, 4000, 3000, 2000, 1500, 1000, 700, 500, 400, 300, 200, 100. It contains two high-intensity bands (3000bp and 500bp) 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:

