

1 kb DNA Ladder

Catalog: RM19005

Size: 500 µL / 5*500 µL

Description

The 1 kb DNA Ladder is a ready-to-use DNA ladder, which is pre-mixed with loading dye for direct gel loading. This ladder consists of 9 individual DNA fragments: 1000, 2000, 3000, 4000, **5000**, 6000, 8000, 10000 bp, derived from a mixture of PCR products and specifically digested plasmid DNA. The 5000bp fragment is present at increased intensity for easy identification (concentration of 150ng/5µL); all other fragments appear with equal intensity on the gel (concentration of 50ng/5µL).

Storage


4°C for 6 months; -20°C for long time

Notice

1. Ready-to-use: premixed with loading dye for direct loading
2. Quick reference: 5000 bp (brighter than the other fragments)
3. Loading Volume: 2-5 µL / lane
4. Please change the electrophoresis buffer in time, and use freshly prepared agarose gel for electrophoresis to ensure good separation results

Guide for Molecular Weight

Take 5 µL DNA ladder in 0.8% agarose gel, use a voltage of 8 V/cm, 1× TAE Buffer for 40 minutes, and the results are as follows:

| Band | Agarose gel | |
|------|-------------|--|
| 1 | 10000 |  |
| 2 | 8000 | |
| 3 | 7000 | |
| 4 | 6000 | |
| 5 | 5000 | |
| 6 | 4000 | |
| 7 | 3000 | |
| 8 | 2000 | |
| 9 | 1000 | |