

## 1 KB DNA Ladder

**Cat. No.:** M101O, M101R  
**Concentration:** 500 ng/5 µl  
**Storage:** -20°C  
**Update Date:** 03/12/2010

Cat. No.	Format	Loading Size	Volume
M101O	original format	100 Lanes	500 µl
M101R	ready-to-use™	100 Lanes	500 µl

### Description

The 1 KB DNA Ladder is composed of 9 bands which are 500 bp, 1,000 bp, 2,000 bp, 3,000 bp, 4,000 bp, 5,000 bp, 6,000 bp, 8,000 bp and 10,000 bp. The 3,000 bp band with higher concentration (20 ng/µl) can be distinguished easily from others bands (10 ng/µl). 1 KB DNA Ladder is ideal for routine agarose gel electrophoresis of PCR products or any DNA fragments sized between 500 bp and 10,000 bp.

### Recommended Loading

5 µl (or 1 µl/mm width of gel well)

### Storage Buffer

10 mM Tris-HCl (pH7.5), 1 mM EDTA

### Note

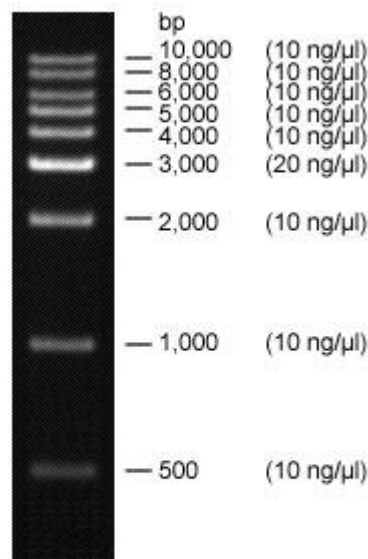
- 6X DNA loading buffer can be ordered separately.
- Ready-to-use™ format is premixed with DNA loading buffer containing 5% Glycerol, 0.02% bromophenol blue, 0.02% xylene cyanol.

### Quality Control

- Agarose gel analysis shows that the bands between 500 bp and 10,000 bp are accurate in size and distinguishable. The 3,000 bp band is 2 times more intense than any other bands.
- Incubation of 5 µl of the DNA KB Ladder in restriction enzyme buffer overnight at 37°C shows absence of visible degradation.

### Related Products

Cat. No.	Product
M102O	100 bp DNA Ladder
M102R	Ready-to-Use™ 100 bp DNA Ladder -
M106O	PCR DNA Ladder
M106R	Ready-to-Use™ PCR DNA Ladder
M103O	KB Plus DNA Logical Ladder
M103R	Ready-to-use™ KB Plus DNA Logical Ladder
E00007	Taq DNA Polymerase



0.8% agarose gel

\*\* For non-clinical research use only. \*\*