

# 100 bp DNA Ladder

**Catalog:** RM19007

**Size:** 500  $\mu$ L / 5\*500  $\mu$ L

## Description

The 100 bp DNA Ladder is a ready-to-use DNA ladder, which is pre-mixed with loading dye for direct gel loading. This ladder consists of 11 individual DNA fragments: 100, 200, 300, 400, **500**, 600, 700, 800, 900, 1000, 1500 bp, derived from a mixture of PCR products and specifically digested plasmid DNA. The 500bp fragment is present at increased intensity for easy identification (concentration of 150ng/5 $\mu$ L); all other fragments appear with equal intensity on the gel (concentration of 50ng/5 $\mu$ L).

## Storage

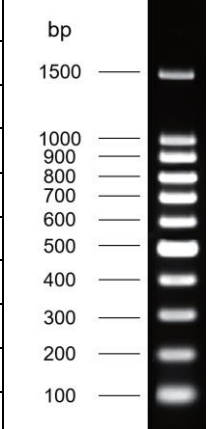
4°C for 6 months; -20°C for long time

## Notice

1. Ready-to-use: premixed with loading dye for direct loading
2. Quick reference: 500 bp (brighter than the other fragments)
3. Loading Volume: 2-5  $\mu$ L / 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  $\mu$ L DNA ladder in 2% agarose gel, use a voltage of 8 V/cm, 1 $\times$  TAE Buffer for 60 minutes, and the results are as follows:

Band	Agarose gel	
1	1500	
2	1000	
3	900	
4	800	
5	700	
6	600	
7	500	
8	400	
9	300	
10	200	
11	100	