

# Product Information

## 100bp DNA Ladder

Catalog Number: DL2029

Product Size: 0.5 mL

### Description

The 100 bp DNA Ladder consists of 11 individual chromatography-purified DNA fragments. It is suitable for the analysis of DNA bands in agarose gel electrophoresis. It is not recommended for Acrylamide gel electrophoresis. This product is a ready-to-use product that already contains 1 × Loading Buffer. It can be directly loaded with electrophoresis according to the needs of the experiment. It is easy to use and the electrophoresis image is clear. The 500 bp bands are shown as bright bands.

### Storage

Store at 4°C. When stored as directed, product is stable for at least 6 months. Store at -20°C. When stored as directed, product is stable for at least 2 years.

### Bands composition

100 bp, 200 bp, 300 bp, 400 bp, 500 bp, 600bp, 700 bp, 800 bp, 900 bp, 1000 bp, 1500 bp.

### Features

It is suitable for accurately determining the size of DNA fragments in the range of 100 bp-1500 bp.

### Protocol

1. For electrophoresis with UE S2001 Super GelRed®, take 2-3 μL (if using common nucleic acid dyes on the

market, it is recommended to load 5 μL) and add it to the agarose gel sample well. If the sample well is wide, you can increase the amount of sample to perform electrophoresis.

2. The recommended electrophoresis conditions are 2-3% agarose gel with a voltage of 4-10V / cm.

3. Stain with Super GelRed® or other dyes and observe the electrophoretic bands.

### Recommended running buffer

TBE

### Notes

1. Thaw thoroughly before use.

2. Please change the running buffer in time and use a new gel to avoid affecting the electrophoresis results

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