

DL5000 DNA Marker

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1. Product Introduction

1.1 Product Description:

The DL5000 DNA Marker consists of 9 bands, which are composed of 100, 250, 500, 750, 1,000, 1,500, 2,000, 3,000 and 5,000 bp respectively. Agarose gel electrophoresis suitable for PCR products or DNA fragments ranging from 100 bp to 5,000 bp. Among them, 500 bp is the indicator band, showing a bright band with a band concentration of approximately 100 ng / 5 μ L, and the concentrations of the remaining bands are all approximately 50 ng / 5 μ L.

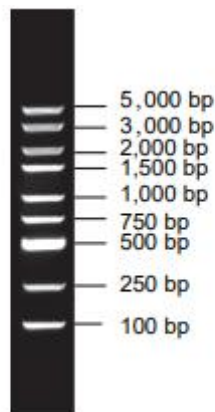


Figure 1. Schematic diagram of the DL5000 DNA Marker band

1.2 Storage buffer:

1 \times Loading Buffer: 10 mM Tris-HCl (pH7.6), 1 mM EDTA, 0.005% bromophenol blue, 10% glycerol.

1.3 Storage conditions:

4 $^{\circ}$ C (for long-term storage, please store at -20 $^{\circ}$ C).

1.4 Recommended Loading Quantity:

3-5 μ L per well.

2. Use Instructions

2.1 Electrophoresis conditions

1.5% agarose, loading volume 5 μ L, pore width 6 mm, electrophoresis buffer 1 \times TBE, 15 V/cm.

2.2 Precautions

- ◆ The DL5000 DNA Marker is a DNA solution that already contains 1 \times Loading Buffer and can be directly loaded during electrophoresis.
- ◆ Do not heat at high temperatures before use.
- ◆ The purity of agarose can affect the clarity of DNA bands. It is recommended to use high-quality agarose with a gel concentration of 1.0 - 2.0%.

3. Related Products

Product	Cat.No.	Size
DL5000 DNA Marker	BR0013-01	500 μ L