

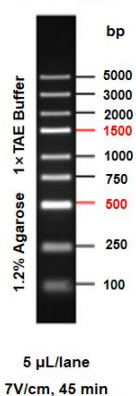
5000bp DNA Marker, 100-5000bp

Product description

This product contains a DNA molecular weight marker consisting of 9 linear double-stranded DNA fragments at the following sizes: 5,000 bp; 3,000 bp; 2,000 bp; 1,500 bp; 1,000 bp; 750 bp; 500 bp; 250 bp; 100 bp. The reference bands are 1,500 bp and 750 bp, with a concentration of 125 ng/5 μ L, while all other bands are at 50 ng/5 μ L.

The marker is supplied in 1 \times DNA Loading Buffer and is designed for agarose gel electrophoresis analysis of DNA bands. It is not recommended for polyacrylamide gel electrophoresis (PAGE).

DL5000 DNA Marker



Specifications

Product No.	N132118S	N132118M
Size	100 T	10 \times 100 T

Components

Component No.	Component Name	N132118S	N132118M
N132118-A	5 kb DNA Marker	500 μ L	10 \times 500 μ L
N132118-B	5 \times DNA Loading Buffer	1 mL	10 \times 1 mL

Shipping and Storage

Store at room temperatures or at 2°C to 8°C, valid for half a year.

Store at -25°C to -15°C, valid for one year. Avoid repeated freeze-thaw cycles.

Notes

- For optimal electrophoresis results:
 - Ensure thorough mixing of the product before use.

- 2) Replace the electrophoresis buffer promptly and use freshly prepared gels.
2. If smearing, blurred bands, or distortion occurs during electrophoresis: Dilute the sample with water before loading. For standard-width gel wells, dilute the sample 5-fold with water and load 8-10 μL .
3. When switching to a new stain or using agarose gels containing different stains:
 - 1) Thoroughly clean the electrophoresis tank to avoid cross-contamination.
 - 2) Replace with fresh electrophoresis buffer after cleaning.
4. For your safety and health, please wear a lab coat and disposable gloves.
5. For research use only!

Instructions

1. Load 5 μL of the DNA ladder. For wide wells, increase the loading volume appropriately.
2. Use 1.0-2.0% agarose gels with a voltage of 4–10 V/cm in 0.5 \times TBE buffer or 1 \times TAE buffer.
3. Visualize DNA bands under UV light if stain the gel using solution-based staining methods with ethidium bromide (EB) or Arcegen Nucleic Acid Stain (Cat# N132109, non-toxic and UV-compatible).