

1 kb DNA Marker

(DM005)

Product Description

1 kb DNA Marker is suitable for pre-electrophoresis gel staining experiments with non-toxic nucleic acid stains including GelRed, GelGreen and the new generation of non-toxic nucleic acid stains. This product consists of 13 linear double-stranded DNA fragments and is applicable for DNA band analysis in agarose gel electrophoresis. The fragment sizes of the product are 250 bp, 500 bp, 750 bp, 1000 bp, 1500 bp, 2000 bp, 2500 bp, 3000 bp, 4000 bp, 5000 bp, 6000 bp, 8000 bp and 12000 bp. In 5 μ L of the product, each band contains approximately 50 ng, and the bright band contains approximately 120 ng. Preserved in 1 $\times$ Loading Buffer, this product can be directly used for electrophoresis analysis.

Components

Product Name	Cat. No.	Volume
1 kb DNA Marker	DM005	250 μ L

Storage Conditions

Store at -30 ~ -15 $^{\circ}$ C and transport at $\leq 0^{\circ}$ C.

Notes

1. For your health, wear a lab coat and disposable gloves during operation.
2. This product is compatible with non-toxic nucleic acid stains. Migration rate differences may occur when used with small-molecule toxic nucleic acid stains such as EB and Goldview.
3. Mix the product thoroughly before use. Replace the electrophoresis buffer in a timely manner and use freshly prepared gel to achieve an ideal electrophoresis result.

Usage Method

1. Leave the product at room temperature for several minutes before sample loading. After thawing, shake gently to ensure uniform mixing of the solution, and use it after brief centrifugation.
2. It is recommended to perform electrophoresis with 0.7 ~ 1.0% Agarose gel, a voltage of 5 ~ 10 V/cm and 1 $\times$ TAE buffer.
3. Take 5 μ L of 1 kb DNA Marker and load it into the gel well (the loading volume can be appropriately increased if the sample well is wide or the gel is thick).

Electrophoresis Pattern

