TIANGEN®

MD210831

1 kb DNA Ladder

Cat. no. 4992945/4992946

Storage: -30~-15°C for 2 years. For frequently use, it can be stored at 2-8°C for 3 months.

Concentration: About 0.08 mg DNA/ml

Product size

4992945	300 µl (50 lanes)
4992946	4 × 300 µl (200 lanes)

TIANGEN BIOTECH (BEIJING) CO., LTD.
HTTP://WWW.TIANGEN.COM/EN

The product is used for research only, neither intended for the diagnosis, or treatment of a disease, nor for the food, or cosmetics etc.

Description

The 1kb DNA Ladder marker consists of nine double-stranded DNA bands that are suitable as molecular weight standards for agarose gel electrophoresis.

Since this product is premixed with 1× Loading Buffer, it is convenient to load 3~6 µl of this product to agarose gel electrophoresis directly.

The ladder is composed of nine individual DNA fragments (in base pairs): 10000, 8000, 7000, 6000, 5000, 4000, 3000, 2000, and 1000. It contains one intense band (5000 bp) for easy orientation. To load 6 µl of the product will provide 50 ng per DNA fragment with one intense fragment of 100 ng.

Buffer Contents

10 mM Tris-HCl (pH 8.4)
10 mM EDTA
0.02% Bromophenol Blue
5% Glycerol

Protocol

1. Directly load 3~6 µl of this product to the agarose gel (load 1 µl product per 1 mm gel lane. The loading volume can be increased appropriately for wide lanes).
2. Electrophoresis condition: 0.5~1.0% agarose gel, 4~10 v/cm voltage.
3. DNA marker can be visualized using ethidium bromide under UV light.

Recommendations

1. Directly use, do not require heating.
2. For ideal results, please use new agarose gel and change electrophoresis buffer in time.

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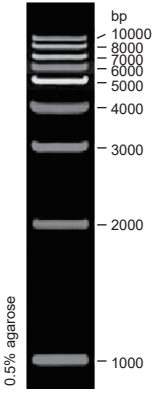

6 µl product,
10 cm gel length,
6 v/cm voltage,
0.5 × TBE Buffer