

50 bp DNA Ladder

Cat. no. 4992796/4992797

Storage: 4°C for 2 years (For long term storage, store at -20°C)

Concentration: About 0.08 mg DNA/ml

Product size

4992796	300 μ l (50 lanes)
4992797	4 \times 300 μ l (200 lanes)

Description

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

The product is ready-to-use; it is premixed with 1 \times Loading Buffer for direct loading 3~6 μ l on agarose gel electrophoresis.

The ladder is composed of nine individual DNA fragments (in base pairs): 500, 400, 350, 300, 250, 200, 150, 100, and 50. It contains one intense band (300 bp) for easy orientation. To load 6 μ l 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

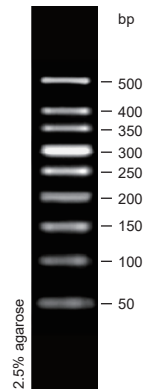
Protocol

1. Directly load 3~6 μ l of this product on the agarose gel (load 1 μ l per 1 mm gel lane. The loading volume can be increased appropriately for wide lanes).
2. Electrophoresis condition: 2~3% 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 heat before loading.
2. Please use new agarose gel and change electrophoresis buffer in time, so as not to affect the electrophoresis results.

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6 μ l product,
 10 cm gel length,
 6 v/cm voltage,
 0.5 \times TBE Buffer

TIANGEN BIOTECH (BEIJING) CO., LTD.

[HTTP://WWW.TIANGEN.COM/EN](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.