



100 bp DNA Ladder

Cat.no. MD109

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

Product size

MD109-01	300 µl (50 lanes)
MD109-02	4×300 µl (200 lanes)

TIANGEN BIOTECH (BEIJING) CO., LTD.

Order: 010-59822688

Technical: 010-59822661/2665

Toll-free: 800-990-6057

HTTP://WWW.TIANGEN.COM

Description

The ladder consists of eleven 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×Loading Buffer for direct loading 3-6 µl on agarose gel electrophoresis.

The ladder is composed of eleven individual DNA fragments (in base pairs): 1500, 1000, 900, 800, 700, 600, 500, 400, 300, 200, and 100. It contains one intense band (500 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.

Concentration: 0.1 mg DNA/ml

Buffer Contents

10 mM Tris-HCl (pH 8.4)

10 mM EDTA

0.02% Bromophenol Blue

5% Glycerol

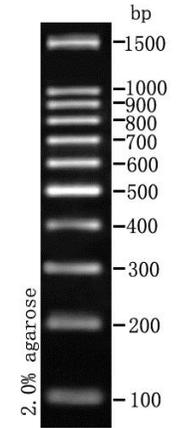
Protocol

1. Directly load 3-6 µl of this product on the agarose gel (load 1µl per 1 mm gel lane).
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.

100 bp DNA Ladder



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

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



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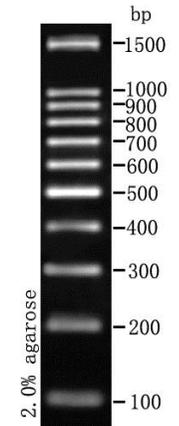
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