

DNA Marker I

Cat. no.4992935/4992936

Storage: -30°C ~ -15°C for 2 years. For frequently use, it can be stored at $2-8^{\circ}\text{C}$ for 3 months.

Concentration: About 0.05 mg DNA/ml

Product size

4992935	300 μl (50 lanes)
4992936	4 \times 300 μl (200 lanes)

Description

DNA Marker I consists of six 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 μl on agarose gel electrophoresis.

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

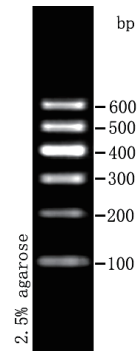
Protocol

1. Directly load 3~6 μl of the 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: 1.5~2.5% 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.

Marker I



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

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