

DNA Marker IV

Cat. no. 4992941/4992942

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

Concentration: About 0.05 mg DNA/ml

Product size

4992941	300 μl (50 lanes)
4992942	4 × 300 μl (200 lanes)

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.

Description

DNA Marker IV 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× Loading Buffer for direct loading 3~6 μl on agarose gel electrophoresis.

The ladder is composed of six individual DNA fragments (in base pairs): 7000, 5500, 3500, 2000, 1000, and 500. It contains one intense band (2000 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

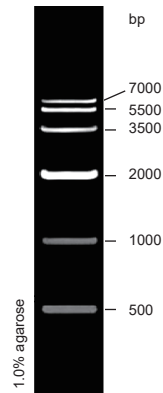
Protocol

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: 0.7~1.5% 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.

DNA Marker IV



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