

λ DNA/*Hind* III

Cat. no. 4992925/4992926

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

Concentration: About 0.1 mg DNA/ml

Product size

4992925	300 μ l (50 lanes)
4992926	4 \times 300 μ l (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

This product is Lambda DNA digested completely by *Hind* III, which consist DNA fragments of 23130, 9416, 6557, 4361, 2322, 2027 and 564 bp. It is suitable as molecular weight standards for agarose gel electrophoresis.

This product is ready to use, and contains 1 \times Loading Buffer already.

Buffer Contents

10 mM Tris-HCl (pH 7.6)
 10 mM EDTA
 0.015% Bromophenol Blue
 0.015% Dimethylbenzene FF
 10% Glycerol

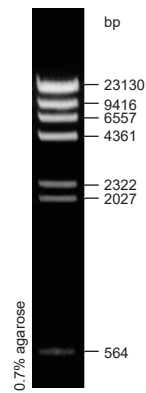
Protocol

1. Before adding 6 μ l marker into the agarose gel, heat it under 65°C for 5 minutes, then cool in the ice water for 3 minutes, then load the product on the agarose gel (load 0.1 μ g per 1 mm gel lane. Load 0.5 μ g in gel lane smaller than 6 mm. The loading volume can be increased appropriately for wide lanes).
2. Electrophoresis condition: 0.7% agarose gel, 4~10 v/cm voltage.
3. DNA marker can be visualized using ethidium bromide under UV light.

Recommendations

1. Add 0.1 μ g DNA marker into each sample hole which diameter is 1 mm. If the sample hole is less than 6 mm, don't add the product over 0.5 μ g. It can increase the DNA depending on different diameter of the sample hole.
2. If the marker isn't heated, the 23130bp and 4361bp may be combined into one band which is 27491bp, because of the cohesive end.
3. For ideal results, please use new agarose gel and change electrophoresis buffer in time.

λ DNA/*Hind* III



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