

1 kb Ladder

Item No. L665551 (100 preps)

L665551 (500 preps)

Storage conditions: stored at 4 °C for six months, placed at -20 °C for more than two years, avoid repeated freezing and thawing.

Product content

individual parts making up a compound	L665551 100 preps	L665551 500 preps
1 kb Ladder	500 µl	5 x 500 µl

Product Introduction

The 1 kb Ladder consists of 8 DNA fragments, 1 kb, 2 kb, 3 kb, 4 kb, 5 kb, 6 kb, 8 kb, and 10 kb. The product is a DNA solution containing 1×Loading Buffer, and it is very convenient to use it because it can be directly electrophoresed by taking 5 µl of the solution; the amount of the 5 kb DNA fragment in the electrophoresis is about 150 ng, and it shows a bright band, while the amount of DNA in the other bands is about 50 ng. The amount of DNA in the other bands is about 50 ng.

Caveat

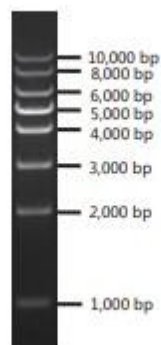
1. The product can be directly frozen and mixed for use without heating.
2. Please change the electrophoresis buffer and use new agarose gel in time to avoid affecting the electrophoresis results.
3. In DNA agarose gel electrophoresis, the purity of the gel has a great impact on the clarity of the DNA bands, so try to use good quality agarose, the recommended gel concentration is 0.7%-1%, voltage 4-8 v/cm.
4. There is a close relationship between gel concentration and the separation performance of DNA fragments. The greater the gel concentration, the better the separation of short fragments of DNA; conversely, the smaller the gel concentration, the more favorable the separation of long fragments of DNA.

5. When used in conjunction with macromolecular dyes, it is recommended that the amount of Marker be appropriately reduced or that the amount of dye be increased.

Usage

Add 5 μ l to the sample wells of the agarose gel (if the sample wells are wider than 6 mm, increase the sample volume appropriately) and carry out electrophoresis.

Results



0.7% agarose gel electropherogram (5 μ l)