Product Details

1kb DNA Ladder

DL-30011 50 Preps

DL-30012 200 Preps

Specification

DL-30011	50 Preps (250μl)
DL-30012	200 Preps (1ml)

STORAGE

Please store at 4℃ (please store at -20℃ for long-term storage)

Product Details

The 1Kb DNA Ladder is composed of 13 double strands of DNA, and the doubled concentration of 1kb and 5kb is helpful to distinguish different bands. Below 1kb, three bands of 250bp, 500bp, and 750bp are added, and the size of the short fragment can be roughly calculated based on this. The concentration of the four bands of 6kb, 7kb, 8kb, and 10kb is halved, which is beneficial to obtain a better separation effect.

This product already contains 1× Loading Buffer. You can take 2-6μl for direct electrophoresis according to the needs of the experiment. The electrophoresis image is clear, convenient and practical.

The 13 bands of this product from small to large are: 250bp, 500bp, 750bp, 1kb, 1.5kb, 2kb, 3kb, 4kb, 5kb, 6kb, 7kb, 8kb, 10kb. If the loading volume is 5μl, 1kb and 5kb bands are 100ng; 6kb, 7kb, 8kb, and 10kb bands are 25ng; and the remaining bands are 50ng.

Concentration

The product concentration is about 130μg/ml

Storage fluid information

10mM Tris-HCl(pH 8.4)

10mM EDTA

0.02% BPB

5% glycerinum

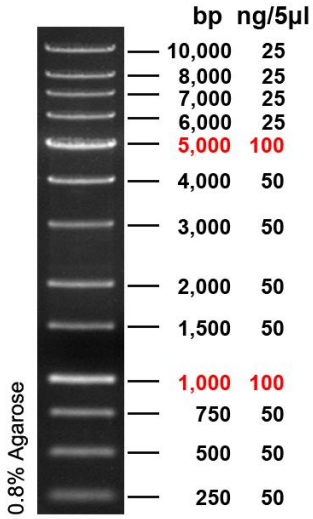
Instructions for use

1. When you need to determine the size of the double-stranded DNA fragment, add 5 ul 1kb DNA Ladder to the agarose gel loading hole (1mm wide width of the loading hole, add 1 μl, if the loading hole is wide, it can be suitable When increasing the sample amount), perform electrophoresis.
2. It is recommended to use 0.5-1% agarose gel for electrophoresis, the voltage between the positive and negative electrodes is 4-10V/cm to obtain a clear electrophoresis image for easy analysis of results.
3. Stain with EB or other DNA stains, observe the results under ultraviolet light or in an imager Imaging.

Precautions

1. This product is a ready-to-use product and can be used without heating.
2. The mobility of long fragments in agarose gel is small. In order to separate long fragments faster and better,It's recommended to use a low concentration (0.5-1%) agarose gel for electrophoresis.
3. In order to obtain better images and clear analysis results, please use the newly configured gel and swimming buffer for electrophoresis

1kb DNA Ladder



5μl/lane，8cm length TAE gel
1× TAE，7V/cm 40min