



100bp DNA Ladder

DL-20011 50 Preps

DL-20012 200 Preps

Product Specification

DL-20011	50 Preps (250 μ l)
DL-20012	200 Preps (1ml)

Storage

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

Product Description

The 100bp DNA Ladder is composed of 13 double strands of DNA, of which the concentration of 200bp, 500bp, and 1000bp is doubled, which helps to overcome the problem of short fragments that are weak in brightness and difficult to distinguish between bands. Above 1000bp, three bands of 1200bp, 1500bp, and 2000bp are added, which can be calculated according to The size of the DNA fragment between 1000-2000bp.

This product already contains 1 \times Loading Buffer, you can take 3-6 μ l directly for 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: 100bp, 200bp, 300bp, 400bp, 500 bp, 600bp, 700bp, 800bp, 900bp, 1000bp, 1200bp, 1500bp, 2000bp. If the loading volume is 5 μ l, 200bp, 500bp, and 1000bp bands are 100ng; the remaining bands are 50ng.

Product concentration

The concentration is 160 μ g/ml

Storage fluid information

10mM Tris-HCl(pH 8.4)

10mM EDTA

0.02% BPB

5% Glycerinum

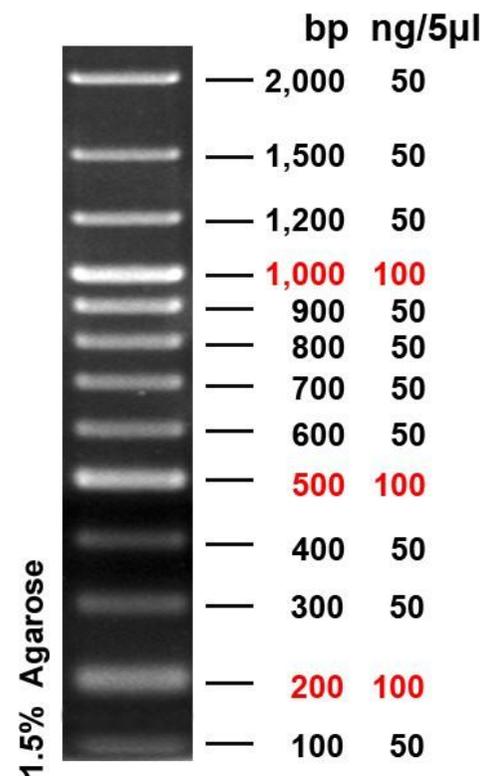
IFU

- 1 When you need to determine the size of double-stranded DNA fragments, add 5 μ l of 100bp DNA Ladder to the agarose gel loading hole (1mm wide band of loading hole plus 1 μ l, if the loading hole is wider, you can increase the amount of sample appropriately), Perform electrophoresis.
- 2 It is recommended to use 1.5% or more agarose gel for electrophoresis, and 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 by EB or other DNA stains, observe the results under ultraviolet light or image in an imager.

Notes

1. This product is a ready-to-use product, please do not heat it.
2. The mobility of short fragments in an agarose gel is relatively high. In order to separate short fragments more clearly, it is recommended to use a high concentration (above 1.5%) agarose gel for electrophoresis.
3. In order to obtain better images and clear analysis results, please use the newly configured gel and electrophoresis buffer for electrophoresis.

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5 μ l/lane, 8cm length TAE gel
1 \times TAE, 7V/cm 30min