

MarkerII DNA Ladder instruction manual

Item number: M2000

Specification: 50T (250 μ L) /100T (500 μ L)

Storage: 2-8 $^{\circ}$ C valid for 6 months, -20 $^{\circ}$ C valid for 1 year.

Product Introduction:

This product is composed of 6 strips of double-stranded DNA bands, suitable for the analysis of DNA bands in agarose gel electrophoresis.

This ready-to-use product contains 1 \times loading buffer and takes 5 μ L directly for electrophoresis. It is easy to use and has clear electrophoretic image.

The 6 strips in this product are divided into 200,400,600,800,1000,1500 bp, of which 800bp is 20ng/ μ L, and the remaining strips are 10ng/ μ L.

Composition of storage solution:

10mM Tris-HCl (pH8.4)

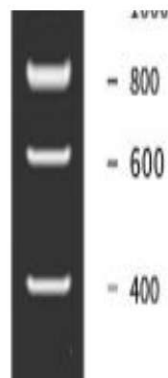
10mM EDTA

0.02% Bromophenol blue

5% glycerol

Usage (for reference only) :

1. Take 5 μ L of this product and add it into the sample hole of agar-agar gel (add 1 μ L for each 1mm sample hole width, if the sample hole is wider, the sample amount can be appropriately increased) for electrophoresis.
2. It is recommended that the gel concentration should be 1-2% agarose gel, the electrophoresis voltage should be 4-10v/cm, and the electrophoresis time should be 30-40min.
3. Nucleic acid stain and observe electrophoretic bands under UV lamp.



5 μ L loading, 1.5% agarose gel electrophoresis diagram

Precautions:

1. Change the electrophoresis buffer and use the newly formulated agarose gel in time to avoid affecting the electrophoresis result.
2. Since nucleic acid binding dyes can affect the migration of DNA during electrophoresis, it is recommended to perform gel blower after electrophoresis.

Related products:

<i>A8201</i>	<i>Agarose</i>
<i>T1050</i>	<i>5×TBE buffer</i>
<i>D1020</i>	<i>10×DNA loading buffer M1600 MarkerIIDNA Ladde</i>
<i>T1060</i>	<i>50×TAE buffer M1200 100bp DNA Ladder</i>

Note: For more information about this product, please refer to the Solarbio website.