

D2000 plus DNA Ladder instructions

Item number: M1070

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 9 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 of loading buffer directly for electrophoresis. It is easy to use and the electrophoretic image is clear.

9 Strips are divided into 100,250,500,750,1000,1500,2000,3000,5000 bp, of which 500bp and 1500bp are 20ng/ μ L, and the rest are 10ng/ μ L.

Composition of storage solution:

10mM Tris-HCl (pH8.4)

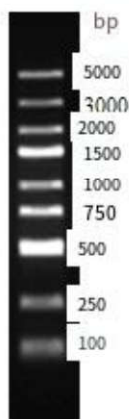
10mM EDTA

0.02% Bromophenol blue

5% glycerol

Usage (for reference only) :

1. Take 5 μ L of this product and add it to the sample hole of agar-agar gel (add 1 μ L for every 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, 2.0% 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 bluster after electrophoresis.

Related products:

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

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