D2000 DNA Ladder Instruction manual

Item number: M1060

Specification: 50T (250μL) /100T (500μL)

Storage: 2-8℃ valid for 6 months, -20℃ 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×loading buffer and takes 5μl directly for electrophoresis. It is easy to use and has clear electrophoretic image.

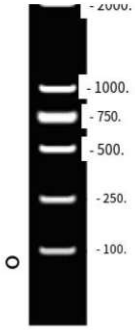
6 Strips are divided into 100,250,500,750,1000,2000 bp, of which 750bp is 20ng/μl, and the rest is 10ng/μL.

Composition of storage solution:

10mM Tris-HCl (pH 8.4)
10mM EDTA
0.02% Bromophenol blue
5% glycerol

Usage (for reference only) :

1. Take 5μL of this product and add it into the sample hole of agar-agar gel (add 1μL 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 30-40 minutes.
3. Nucleic acid stain and observe electrophoretic bands under UV lamp.



5μL 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 blister after electrophoresis.

Related products:

A8201	*Agarose*
D1020	*10 x DNA loading buffer*
T1060	*50 x TAE buffer*
T1050	*5 x TBE buffer*
M1200	*100bp DNA Ladder*
M1600	*MarkerIII DNA Ladder*
G8142	*GoldView Type II nucleic acid stain (5000×)*

Related literature:

[1] Fengxia Wang,Wei Wang,Xiaobo Niu,et al. Isolation and Structural Characterization of a Second Polysaccharide from Bulbs of Lanzhou Lily. Applied Biochemistry and Biotechnology. November 2018; 86(3):535-546. (IF 1.893)

Note: For more information on the use of this product, please refer to the Solarbio website.