

Super DNA Marker

Cat. No. : CW2583S (100 preps)
CW2583M (500 preps)

Shipping and Storage: Store at 4°C for 6 months and at -20°C for more than 2 years to avoid repeated freeze-thaw.

Components

| Component | CW2583S 100 preps | CW2583M 500 preps |
|------------------|----------------------|----------------------|
| Super DNA Marker | 500 μ L | 5×500 μ L |

Principle

Super DNA Marker consists of 10 DNA fragments, which are 10,000 bp, 5,000 bp, 3,000 bp, 2,000 bp, 1,500 bp, 1,000 bp, 750 bp, 500 bp, 250 bp and 100 bp respectively. This product is a DNA solution with 1×Loading Buffer, 5 μ L can be used for electrophoresis, it is very convenient to use; The amount of 1000 bp DNA fragment was about 150 ng, showing bright bands, and the amount of other bands was about 50 ng.

Preparation and Important Points for Attention Before Experiment

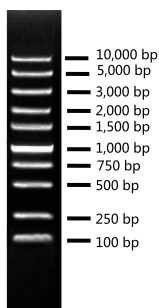
1. This product can be used directly without heating.
2. Please change the electrophoresis buffer and use the new agarose gel in time to avoid affecting the electrophoresis results.
3. In DNA agarose gel electrophoresis, gel purity has a great impact on the clarity of DNA bands, so high-quality agarose should be selected as far as possible. The recommended gel concentration is 1%-3% and the voltage is 4-8V /cm.

4. Gel concentration is closely related to the separation performance of DNA fragments. The higher the gel concentration, the better the performance of short DNA separation. Conversely, the lower the gel concentration, the more conducive to the separation of long DNA fragments.
5. When used with macromolecular dyes, it is suggested to appropriately reduce the amount of Marker or increase the amount of dye.

Protocol

Add 5 μ L to the sample well of agarose gel (if the sample well is wide, larger than 6 mm, the sample amount should be appropriately increased) for electrophoresis.

Results



1% Agarose gel electrophoresis (5 μ L)