

## Super DNA Marker

**Project number:** S665584

**Storage conditions:** stored at 4 °C for six months, placed at -20 °C for more than two years, avoid repeated freezing and thawing.

### Product content

Component	S665584-100T	S665584-500T
Super DNA Marker	500µl	5 x 500µl

### Product Introduction

Super DNA Marker consists of 10 DNA fragments, 10,000bp, 5,000bp, 3,000bp, 2,000bp, 1,500bp, 1,000bp, 750bp, 500bp, 250bp, and 100bp respectively, and it can be directly electrophoresed with 5 µl of 1×Loading Buffer. This product is a DNA solution containing 1×Loading Buffer, 5 µl of which can be taken for direct electrophoresis, which is very convenient to use; the amount of DNA fragment of 1,000bp in electrophoresis is about 150ng, which shows a bright band, and the amount of DNA in other bands is about 50ng.

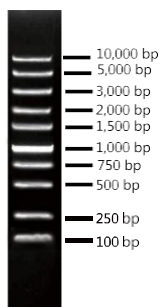
### Pre-experiment Preparation and Important Notes

1. This product can be directly frozen and mixed for use without heating.
2. Please change the electrophoresis buffer and use fresh agarose gel in time to avoid affecting the electrophoresis results.
3. When DNA agarose gel electrophoresis, the purity of the gel has a great influence on the clarity of the DNA bands, so try to use good quality agarose, the recommended gel concentration is 1%-3%, voltage 4-8v/cm.
4. The gel concentration is closely related to the separation performance of DNA fragments. The larger the gel concentration, the better the separation performance of short fragment DNA; conversely, the smaller the gel concentration, the more favorable the separation of long fragment DNA.
5. When used with macromolecular dyes, it is recommended to appropriately reduce the amount of Marker or increase the amount of dye.

### Usage

Take 5 µl into the spiking well of the agarose gel (if the spiking well is wider than 6 mm, the amount of sample must be increased appropriately), and carry out electrophoresis.

### experimental result



1% agarose gel electropherogram (5 µl)