DL5000 DNA Marker

Product Specifications

Product name	Catalog	Size
DL5000 DNA Maker	DM05020	100μL(20T)
10×DNA Loading Buffer		200μL
DL5000 DNA Maker	DM05040	200μL(40T)
10×DNA Loading Buffer		400μL
DL5000 DNA Maker	DM05100	500μl(100T)
10×DNA Loading Buffer		1000μL

Product Introduction

The product is composed of a specific molecular weight of the double-stranded DNA fragments which has been mixed with the loading buffer, suitable for gel electrophoresis as a DNA molecular weight standard. All the fragments in this product were obtained by digestion and purification. Therefore, the bands are more clear , dense, accurate and true. In 5μL of this product, 1000bp DNA fragments are 100ng, and the others are 50ng.

Instructions

(1) This product need not to heat, add 5μL sample to agarose gel wells directly.

(2) Recommended electrophoresis conditions are 1 × TAE buffer, 0.8-2.0% agarose gel,and 4-10V / cm between the positive and negative electrode.

(3) This product has been added xylenecyanol and bromophenol blue electrophoretic indicator. If 1% agarose gel is used, the position of the xylenecyanol stripe is about 2kb and the position of the bromophenol blue strip is about 400bp.

(4) Using EB or other dye staining after electrophoresis, observed electrophoresis band under the UV lamp.

Notes

(1) the quality of electrophoretic images is related to agarose sugar and electrophoresis buffer, using the high quality agarose sugar and replacing electrophoresis buffer frequently can achieve better results.

(2) agarose gel concentration is essential for the separation of DNA bands. Please select the suitable agarose gel for electrophoresis according to the above image.

(3)the equal quality DNA bands ,after electrophoresis and stained by EB ,it is norml that Small molecular weight pigmented light and the stripe is thick. Large molecular weight pigmented dark and the stripe is thin.

It is normal that the molecular weight is larger than the depth and the strip is thin.

(4) DNA and the EB stain has the opposite charge , if agarose gel is preloaded with EB during the preparation process. In the electrophoresis, EB will move in the opposite direction of the DNA.After the longstanding electrophoresis, it is normal to see that the small molecular weight fragments appear to be blurry and the bright band is not obvious.

Storage Condition

-20 ℃ preservation; melted at 4 ℃ preservation; avoid freezing and thawing repeatedly.

Indicating band