Tinzyme Co., Limited

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DNA Marker IV

Product Number: DM18

Shipping and Storage

After melting, store at 4℃ and permanently store at -20℃.

Description

The DNA markers produced by our company are all obtained through enzyme digestion of plasmids. The markers produced by this process have a clean background, clear bands, stable quality, and can achieve precise quantification of marks.The product contains three kinds of dyes (cyan, blue and yellow dyes). The migration rate of electrophoresis can be judged by color change during electrophoresis. The migration rate of cyan dyes in 1% agarose gel is the same as that of 3-5 kb. The migration rate of blue dyes in 1% agarose gel is about the same as that of 1 kb. The migration rate of yellow dyes is about the same as that of 50bp bands. The electrophoretic progress can be directly observed with the naked eye, Easy to use and clear electrophoresis images.

This product is a ready to use product that already contains 1×Loading Buffer. According to experimental needs, an appropriate amount of Marker can be directly taken for electrophoresis.DNA Marker IV consists of 7 DNA bands,the DNA bands are: 200bp(50ng/5μl)、500bp(50ng/5μl)、800bp(40ng/5μl)、1200bp(60ng/5μl)、2000bp(50ng/5μl)、3000bp(30ng/5μl)、5000bp(50ng/5μl).

Concentration

330ng/5μl

Specifications

Product Number	Specifications
DM18	250μl×4
DM18	250μl×50

Protocol

1. When the width of the sample hole during electrophoresis is less than 6mm, take 5μl products for electrophoresis each time. If the sample hole is wider, the sample loading amount can be appropriately increased;
2. It is suggested that the electrophoresis condition should be 2% agarose gel, voltage 4-10V/cm, and the electrophoresis band should be observed under UV condition.

Note

1. The purity of Agarose has a significant impact on the clarity of DNA bands. Please use high-quality Agarose for electrophoresis
2. The concentration of agarose gel is closely related to the separation performance of DNA fragments, so please use gel with appropriate concentration for electrophoresis.
3. Replace the electrophoresis buffer in time and use the newly prepared agarose gel to avoid affecting the electrophoresis results.
4. When performing electrophoresis, thoroughly dissolve and mix to avoid repeated freeze-thaw and contamination.

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