

DNA Marker IV

PRODUCT FORMATION

Components	Specification	Cat. No.
DNA Marker IV	250 μ l	MD1011
DNA Marker IV	250 μ l \times 5	MD1111

STORAGE

The product can be stored at normal temperature (0-30 $^{\circ}$ C) for more than three years. If the product is not used for a long period of time, please store at -20 $^{\circ}$ C to prevent the evaporation of water.

TECHNICAL SUPPORT

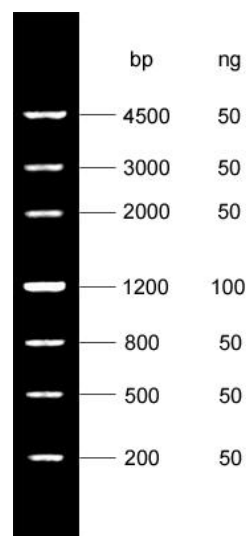
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INTRODUCTION

DNA Marker IV is composed of 7 individual DNA fragments, presenting 4.5k, 3k, 2k, 1200, 800, 500, 200 bp sharp bands respectively. DNA Marker IV contains 1 \times Loading Buffer, users can apply 5 - 10 μ l in agarose gel electrophoresis directly.

The red and yellow tracking dye in DNA Marker IV will not weakened the DNA bands under UV light, better than bromophenol blue and xylene cyanol FF.



PRECAUTION

1. Clear bands can be obtained by applying 5 μ l DNA Marker when the lane width is less than 5 mm. If the lane is wider, loading volume of DNA Marker should be increased appropriately.
2. For DNA electrophoresis, agarose purity is of great significance to DNA band definition. Therefore, agarose with good quality should be used and gel concentration of 1% ~ 2% is recommended.
3. During agarose electrophoresis, the concentration of agarose is closely associated with the separation of DNA fragments. High agarose concentration is ideal for the separation of the short DNA fragments. While low agarose concentration is ideal to separate the long DNA fragments.