

## DNA Marker III

### PRODUCT FORMATION

Components	Specification	Cat. No.
DNA Marker III	250 $\mu$ l	MD1010
DNA Marker III	250 $\mu$ l $\times$ 5	MD1110

### 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

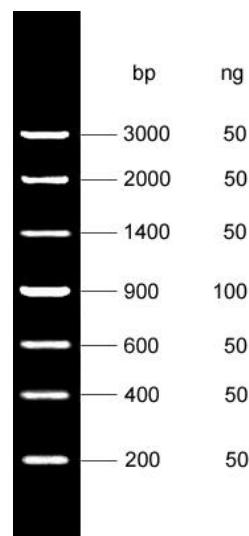
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### INTRODUCTION

DNA Marker III is composed of 7 individual DNA fragments, presenting 3k, 2k, 1400, 900, 600, 400, 200 bp sharp bands respectively. DNA Marker III contains 1 $\times$ Loading Buffer, users can apply 5 - 10  $\mu$ l in agarose gel electrophoresis directly.

The red and yellow tracking dye in DNA Marker III 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  $\mu$ 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.