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200 bp DNA Ladder

PRODUCT FORMATION

Components	Specification	Cat. No.
200 bp DNA Ladder	250 µl	MD1017
200 bp DNA Ladder	250 µl×5	MD1117

STORAGE

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

TECHNICAL SUPPORT

TEL：400-0099-857

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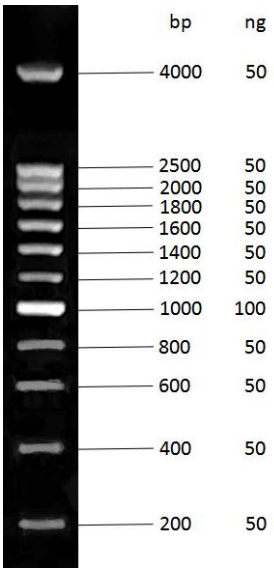
INTRODUCTION

200 bp DNA Ladder is composed of 12 individual DNA fragments, presenting 4k, 2.5k, 2k,1.8k, 1.6k, 1.4k, 1.2k, 1k, 800, 600, 400, 200 bp sharp bands respectively. 200 bp DNA Ladder contains 1×Loading Buffer, users can apply 5 - 10 µl in agarose gel electrophoresis directly.

The red and yellow tracking dye in 200 bp DNA Ladder 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 µl DNA Ladder when the lane width is less than 5 mm. If the lane is wider, loading volume of DNA Ladder should be increased appropriately.
2. If the DNA fragment is expected to be identified between 200~800 bp, gel concentration of 2% - 3% is recommended. If the DNA fragment is expected to be identified between 1000~4000 bp, gel concentration of 1% - 2% is recommended.
3. For DNA electrophoresis, agarose purity is of great significance to DNA band definition. Therefore, agarose with good quality should be used.
4. 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.