Product Information

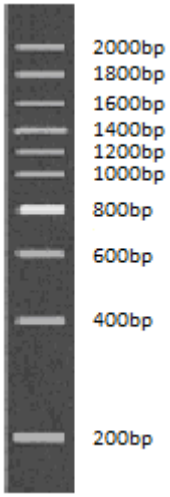
Catalogue Number: **GM401**

Product Name: **200bp DNA Marker Ready-to-Use**

Size: 50 loadings (300ul)

Description: **10 DNA fragments: 200, 400, 600, 800, 1000, 1200, 1400, 1600, 1800, 2000**
The intensity of the 800bp band is increased to yield an internal reference indicator

Usage: 6ul (containing 50ng DNA each band)



1.7% agarose gel

Storage: -20^{0}C
Recommended Loading: 6μl (or 1μl/mm width of gel well)

Storage Buffer: 10mM Tris-HCl (pH 7.6), 10mM EDTA, 0.033% Bromophenol Blue, 0.008% xylene cyanol FF and 10% glycerol.

Quality Control:

a) Agarose gel analysis shows that the bands are accurate in size and distinguishable.
b) Incubation of 6μl of the DNA KB-Ladder in restriction enzyme buffer overnight at 37°C shows absence of visible degradation.
c) Analysis of 0.5μg of the DNA Ladder on agarose gel by Ethidium bromide staining generates 10 discrete bands pattern.

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RECOMMENDATIONS FOR USE:

- Do not heat before loading.
- Apply 5ul marker to 5mm width lane (1.2ul per 1mm lane) agarose gel or non-denaturing PAGE.
- Following electrophoretic separation on gels, visualize the DNA bands by ethidium bromide staining.
- Not designed for DNA quantification.
- Not designed for denaturing PAGE.
- The 100bp band will be faint after long term electrophoresis.
- To get desired photo you can visualize the DNA bands by ethidium bromide staining after electrophoresis.
- Qualified agarose and fresh TAE (TBE) buffer is essential to the good photo.

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