Product Information

Catalogue Number: **GM347**

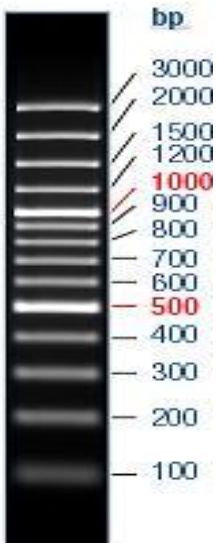
Product Name: **100 bp-3000 bp DNA Marker, Ready-to-Us*e***

Size: 50 loadings (300ul)

Description: 100-3000bp DNA Marker, ready-to use, contains a mix of 14 individual DNA fragments (in base pairs): 100, 200, 300, 400, 500, 600, 700, 800, 900 and 1000, 1200, 1500, 2000, 3000bp.

The intensities of the bands of 500bp, 1000bp are increased to yield internal reference indicators.

Usage: 6 µl



1.7% Agarose

Storage: -20^{0}C

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

Quality Control:

Agarose gel analysis shows that the bands are accurate in size and distinguishable.

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Recommendations for Use:

1. Do not heat before loading.
2. Apply 6ul marker to 5mm width lane (1.2ul per 1mm lane) agarose gel or non-denaturing PAGE.
3. Following electrophoretic separation on gels, visualize the DNA bands by ethidium bromide staining.
4. Not designed for denaturing PAGE.
5. The 100bp band will be faint after long term electrophoresis.
6. To get desired photo you can visualize the DNA bands by ethidium bromide staining after electrophoresis.
7. Qualified agarose and fresh TAE (TBE) buffer is essential to the good photo.

Product Use limitation

This Product is developed, designed and sold exclusively for research purposes and in vitro use only. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to human or animal.

References:

1. Stellwagen, N.C., Anomalous electrophoresis of deoxyribonucleic acid restriction fragments on polyacrylamide gels, Biochemistry, 22, 6186-6193, 1983.
2. Stellwagen, N.C., Conformational isomers of curved DNA molecules can be observed by polyacrylamide gel electrophoresis, Electrophoresis, 21, 2327-2334, 2000.

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