



Product Information

Catalogue Number: SGM01/SGM02
Product Name: DNA Marker S
Size: 50 loadings /5 X 50 loadings
Usage: 6ul
Storage: store at -20°C.

Description

DNA Marker S, ready-to-use, contains a mix of 6 individual DNA fragments (in base pairs): 100, 250, 500, 750, 1000, 1500bp.

Storage Buffer

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

Quality Control Assay Data

Analysis of 0.5µg of the DNA Ladder on agarose gel by ethidium bromide staining generates 6 discrete bands pattern.

RECOMMENDATIONS FOR USE

- Do not heat before loading.
- Apply 6µl marker to 5mm width lane (1.2µl 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.

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.

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.

