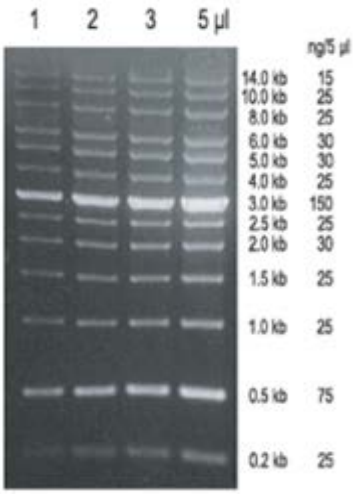
Product Information

Catalogue Number: **GM403**

Product Name: **0.2kb to 14kb DNA Marker Ready-to-Use**

Size: 100 loadings (500ul)

Description: The DNA Ladder consists of 13 fragments ranging from 0.2, 0.5, 1.0, 1.5, 2.0, 2.5, 3, 4, 5, 6, 8, 10, 14.0 kilobase (kb). It is a mixture of several plasmids digested to completion with appropriate restriction enzymes. The intensity of 3.0 and 0.5 kb bands have been increased to yield an internal reference indicators.



0.8% Agarose Gel

Recommended Loading: 2-5µl

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

Storage: -20^{0}C

Quality Control:

a) Agarose gel analysis shows that the bands between 0.2 kb and 14 kb are distinguishable. All bands must form a gradient.

b) Incubation of 5µl of the DNA Ladder in restriction enzyme buffer overnight at 37°C shows absence of visible degradation.

RECOMMENDATIONS FOR USE:

- Do not heat before loading.
- Apply 2-5ul 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.

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- 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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