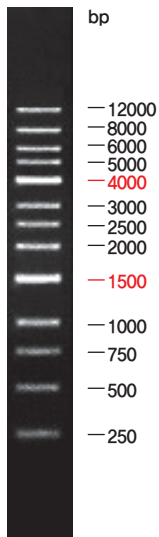


GENESTA™ I Kb DNA Ladder



5 ul / lane, EB staining,
1.0 % agarose gel

GENESTA™
DNA SIZE MARKERS

GENESTA™ I Kb DNA Ladder

Cat. No.	Size
GA - 100	500 ul (For 100 applications)

Storage / Stability :

Store at -20°C. The product is stable for 1 year stored at -20°C. It can be stored at least 3 months at 4°C.

Do not heat before loading.

Description :

The 1 Kb DNA Ladder is designed and provided as molecular weight standards for agarose gel electrophoresis.

The ladder consists of 13 fragments ranging in length from 250 to 12000 bp. The **1500 bp and 4000 bp** bands have increased intensity to serve as reference bands.

The approximate mass for each band is 50 ng DNA, and 150 ng for reference band, in the 5 ul sample.

The ladder is dissolved in 1x loading dye and **ready-to-use**.

5x Loading Dye is supplied as a free gift.

Protocol :

1. Load 5 ul ladder for a gel lane, and adjust loading volume according to the width of the agarose gel.
2. Use 0.7–1.2 % agarose, and 4–10 v/cm, in 1xTAE electrophoresis buffer.
3. Visualize DNA by EB (ethidium bromide) staining, or SYBR Green I.

5x Loading Dye

10 mM Tris-HCl,
5 mM EDTA, pH7.6,
0.03 % Bromophenol blue,
0.03 % Xylene cyanol,
30 % Glycerol.