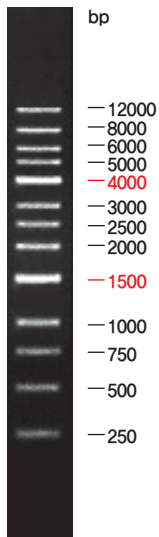


GENESTA™ I Kb DNA Ladder



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

GENESTA™
DNA SIZE MARKERS

GENESTA™ I Kb DNA Ladder

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

Storage/Stability :

Store at -20°C. The product is stable for 2 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 12,000 bp. The **1,500 bp** and **4,000 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 μ l 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 μ l 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 1X TAE electrophoresis buffer.
3. Visualize DNA by EB (ethidium bromide) staining, or SYBR Green I.

5X Loading Dye

10 mM Tris-HCl,
5 mM EDTA, pH 7.6,
0.03% Bromophenol blue,
0.03% Xylene cyanol,
30% Glycerol.