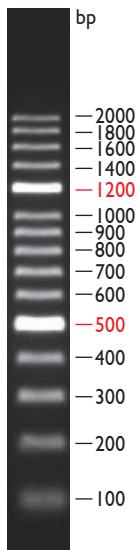


GENESTA™ 100 bp DNA Ladder



5 μ l/lane, EB staining,
1.5% agarose gel

GENESTA™
DNA SIZE MARKERS

GENESTA™ 100 bp DNA Ladder

Cat. No.	Size
GA-010	500 μ l (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 100 bp DNA Ladder is designed and provided as molecular weight standards for agarose gel electrophoresis.

The ladder consists of 15 fragments ranging in length from 100 to 2,000 bp. The **500 bp and 1,200 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 1.5–2.0% 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.