

DATASHEET

Version: 201807

100 bp DNA Ladder

Cat. No. : M102O-500

Size: 5 x100 Lanes

Volume: 5 x500µl

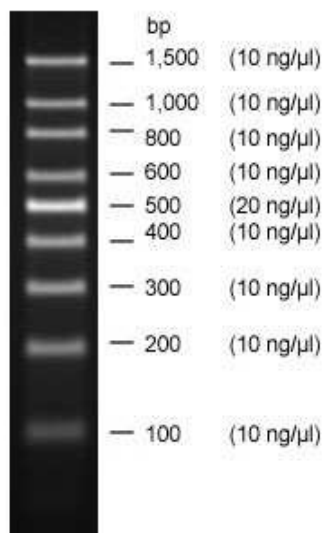
Description:

100 bp DNA ladder is composed of 9 bands which are 100 bp, 200 bp, 300 bp, 400 bp, 500 bp, 600 bp, 800 bp, 1,000 bp and 1,500 bp. The 500 bp band with higher concentration is distinguished easily from others.

Concentration:

Supplied as 500 ng/5 ul in 10 mM Tris-HCl (pH=7.5), 1 mM EDTA.

Example:



2.0% agarose gel

Storage: -20°C

Recommended Loading Volume:

5 µl (or 1 µl/mm width of gel well) with 1 ul of 6X DNA loading buffer

Note:

- 6X DNA loading buffer can be ordered separately.

Quality Control:

- Agarose gel analysis shows that the bands between 100 bp and 1,500 bp are accurate in size and distinguishable. The 500 bp band is 2 times more intense than any other bands.
- Incubation of 5 µl of the 100 bp DNA Ladder in restriction enzyme buffer overnight at 37°C shows absence of visible degradation.