

DATASHEET

Version: 201807

PCR DNA Ladder

Cat. No. M106R-100

Size: 100 Lanes

Volume: 500 μ l

Description:

GenScript's PCR DNA Ladder is composed of seven bands of 100 bp, 300 bp, 500 bp, 700 bp, 1,000 bp, 1,500 bp, and 2,000 bp, respectively. The 500 bp band is easily distinguishable from the others due to its higher concentration. The PCR DNA Ladder is ideal for routine agarose gel electrophoresis of PCR products or of any DNA fragments sized between 100 bp and 2,000 bp.

Concentration:

400 ng/5 μ l in 10 mM Tris-HCl (pH7.5), 1 mM EDTA. For ready-to-useTM format, 1X loading buffer has been added to the marker, and the marker is ready for loading to the gel.

Storage: Store at -20°C

Recommended Loading Volume:

5 μ l (or 1 μ l/mm width of gel well)

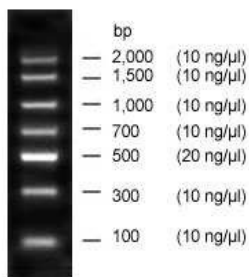
Note:

- 6X DNA loading buffer can be ordered separately.
- Ready-to-useTM format is premixed with DNA loading buffer containing 5% Glycerol, 0.02% bromophenol blue, 0.02% xylene cyanol.

Quality Control:

- Agarose gel analysis shows that the bands between 100 bp and 2 kb are accurate in size and readily distinguishable. The 500 bp band is always at least three times more intense than the brightest of the other bands.
- Incubation of 5 μ l of the PCR DNA Ladder in restriction enzyme buffer overnight at 37°C shows an absence of visible degradation.

Example



2.0% agarose gel