

PCR DNA Ladder

Cat. No.: M106O, M106R

Concentration: 400 ng/5 μ l

Storage: -20°C

Update Date: 03/12/2010

Cat. No.	Format	Loading Size	Volume
M106O	original format	100 Lanes	500 μ l
M106R	ready-to-use™	100 Lanes	500 μ l

Description

The PCR DNA Ladder is composed of 7 bands which are 100 bp, 300 bp, 500 bp, 700 bp, 1,000 bp, 1,500 bp and 2,000 bp. The 500 bp band with two times concentration (20 ng/ μ l) is distinguished easily from others (10 ng/ μ l). PCR DNA Ladder is ideal for routine agarose gel electrophoresis of PCR products or any DNA fragments sized between 100 bp and 2,000 bp.

Recommended Loading

5 μ l (or 1 μ l/mm width of gel well)

Storage Buffer

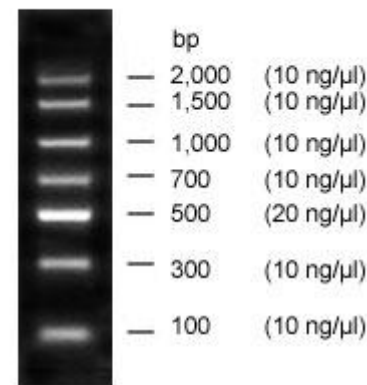
10 mM Tris-HCl (pH7.5), 1 mM EDTA

Note

- 6X DNA loading buffer can be ordered separately.
- Ready-to-use™ 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 2,000 bp are accurate in size and distinguishable. The 500 bp band is 2 times more intense than any other bands.
- Incubation of 5 μ l of the 100 bp DNA Ladder in restriction enzyme buffer overnight at 37°C shows absence of visible degradation.



2.0% agarose gel

Related Products

Cat. No.	Product
M101O	1 KB DNA Ladder
M101R	Ready-to-Use™ 1 KB DNA Ladder
M102O	100 bp DNA Ladder - original format
M102R	Ready-to-Use™ 100 bp DNA Ladder
M103O	KB Plus DNA Logical Ladder
M103R	Ready-to-Use™ KB Plus DNA Logical Ladder
E00007	Taq DNA Polymerase
D0056	dNTP Mixture, 10 mM each

** For non-clinical research use only. **

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