

100 bp DNA Ladder

Cat. No.: M102O, M102R

Concentration: 500 ng/5 µl

Storage: -20°C

Update Date: 03/12/2010

Cat. No.	Format	Loading Size	Volume
M102O	original format	100 Lanes	500 µl
M102R	ready-to-use™	100 Lanes	500 µl

Description

The 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 two times concentration (20 ng/µl) is distinguished easily from others (10 ng/µl). The 100 bp DNA Ladder is ideal for routine agarose gel electrophoresis of PCR products or any DNA fragments sized between 100 bp and 1,500 bp.

Recommended Loading

5 µl (or 1 µl/mm width of gel well)

Storage Buffer

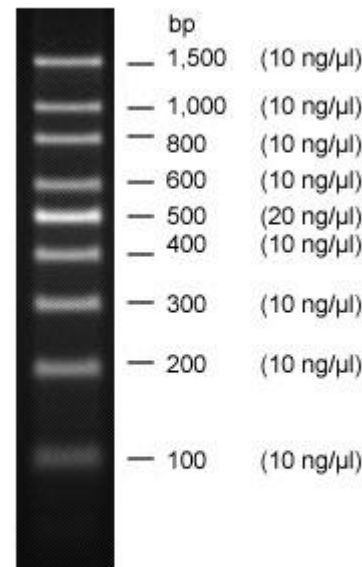
10 mM Tris-HCl (pH7.5), 1 mM EDTA

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 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.



2.0% agarose gel

Related Products

Cat. No.	Product
M101O	1 KB DNA Ladder
M101R	Ready-to-Use™ 1 KB DNA Ladder
M106O	PCR DNA Ladder
M106R	Ready-to-Use™ PCR 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. **