

## 100 bp DNA Ladder

**Cat. No.:** M102O; M102R  
**Concentration:** 400 ng/5  $\mu$ l  
**Storage:** -20°C  
**Version:** 04/24/2008

Cat. No.	Format	Loading Size	Volume
M102O	original format	100 lanes	500 $\mu$ l
M102R	ready-to-use™	100 lanes	500 $\mu$ l

### 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.

### Recommended Loading

5  $\mu$ l (or 1  $\mu$ l/mm width of gel well)

### Storage Buffer

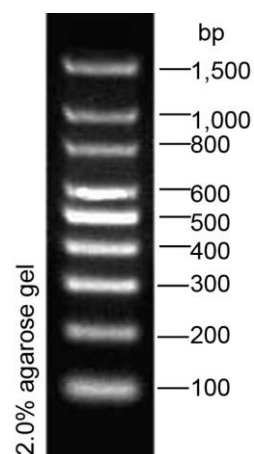
10 mM Tris-HCl (pH7.5), 1 mM EDTA

### 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 1,500 bp are accurate in size and distinguishable. The 500 bp band is easily identified than any other bands.
- Incubation of 5  $\mu$ l of the 100 bp DNA Ladder in restriction enzyme buffer overnight at 37°C shows absence of visible degradation.



### Related Products

Cat. No.	Product	Total Units	Price
M106O	PCR DNA Ladder	500 $\mu$ l	\$25.00
M101O	DNA KB Ladder	500 $\mu$ l	\$25.00
M103O	DNA Logical Ladder	500 $\mu$ l	\$70.00
E00007	<i>Taq</i> DNA Polymerase	1000 U	\$60.00
E00021	<i>Pfu</i> DNA Polymerase	250 U	\$98.00
D0056	dNTP Mixture, 10 mM each	0.5 ml	\$25.24

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

Tel: 732-885-9188 Fax: 732-210-0262 E-Mail: [info@genscript.com](mailto:info@genscript.com) [www.genscript.com](http://www.genscript.com)