

## PCR DNA Ladder

**Cat. No.:** M106O; M106R  
**Concentration:** 315 ng/5  $\mu$ l  
**Storage:** -20°C  
**Version:** 01/29/2008

Cat. No.	Format	Loading Size	Volume
M106O	original format	100 lanes	500 $\mu$ l
M106R	ready-to-use™	100 lanes	500 $\mu$ l

### Description

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 higher concentration is distinguished easily from others. 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  $\mu$ l (or 1  $\mu$ l/mm width of gel well)

### Storage Buffer

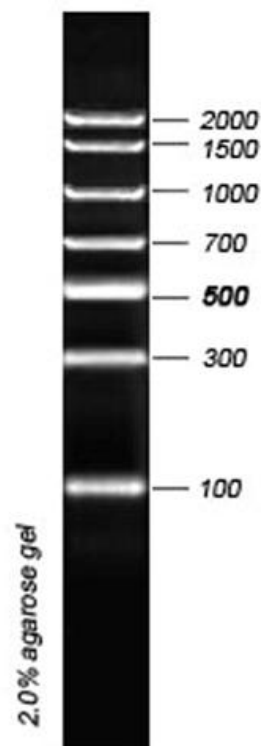
10 mM Tris-HCl (pH7.5), 1 mM EDTA

### 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 2 kb are accurate in size and distinguishable. The 500 bp band is at least 3 times more intense than any other bands.
- Incubation of 5  $\mu$ l of the PCR DNA Ladder in restriction enzyme buffer overnight at 37°C shows absence of visible degradation.



### Related Products

Cat. No.	Product	Total Units	Price
M102O	100 bp DNA Ladder	500 $\mu$ l	\$44.00
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. \*\*

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