

# 100bp DNA Ladder

Code No. DNA-035  
Lot No. \*\*\*\*\*  
Storage Conditions -20°C  
Shipping Conditions 4°C  
Size 0.5ml  
Contents 100bp DNA Ladder × 1  
6 × Loading Dye × 1

## Certificate of Analysis

Product : A mixture of ten double-stranded DNA fragments ranging from 100bp to 1,000bp in exactly 100bp increments, and 1,500bp of double-stranded DNA fragments. The 500bp band has increased intensity relative to the other bands. The 100bp DNA Ladder was dissolved in 10mM Tris-HCl (pH8.0), 5mM NaCl, and 10mM EDTA.

Concentration : 0.03 µg / µl

Volume : 500 µl / tube

Fragment sizes	fragment No.	Number of Base Pairs(bps)	Concentration (ng/5µl)
	1	1,500	10
	2	1,000	10
	3	900	10
	4	800	10
	5	700	10
	6	600	10
	7	500	30
	8	400	10
	9	300	10
	10	200	15
	11	100	25

Contaminant assay (Nuclease assay) : After overnight incubation of 100bp DNA Ladder at 37°C, no visible degradation of banding pattern is observed on agarose gel electrophoresis analysis.

Recommended handling : 1. Centrifuge tubes before opening to improve recovery of content.  
2. Add 1/5 volume of 6 × Loading Dye to 100bp DNA Ladder, and mix well.  
3. Load 6 µl of the 100bp DNA Ladder per lane on agarose gels.

Note : Use 1.5~2 % agarose gels for good banding. Using 1% agarose gels may make lower bands faint.

