100bp DNA Ladder

Code No.	DNA−035
Lot No.	******
Storage Conditions	−20℃
Shipping Conditions	4℃
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℃, 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.