Storage Conditions (−20 °C)
Shipping Conditions (4 °C)

TOYOBO
Ideas & Chemistry

100bp DNA Ladder

Code No. DNA−035

Lot No. ******

Size 0.5 mL

Contents 100bp DNA Ladder × 1
6 × Loading Dye × 1

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.

information
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