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

TOYOBO
Ideas & Chemistry

200bp DNA Ladder

Code No. DNA−031

Lot No. ******

Size 100 μg

Contents 200bp DNA Ladder × 1
6 × Loading Dye × 1

Product : A mixture of 33 double-stranded, blunt-ended DNA fragments ranging from 200bp to 6,600bp in exactly 200bp increments.
The 1,000bp band has increased intensity relative to the other bands.
The 200bp DNA Ladder was dissolved in 10mM Tris-HCl (pH8.0) and 1mM EDTA.

Concentration : 1 μg /μL

Volume : 100 μL / tube (100μg /tube)

Fragment sizes :

fragment No.	Number of Base Pairs (bps)	Molecular weight ($\times 10^5$daltons)	fragment No.	Number of Base Pairs (bps)	Molecular weight ($\times 10^5$daltons)
1	6,600	44	18	3,200	21
2	6,400	42	19	3,000	20
3	6,200	41	20	2,800	18
4	6,000	40	21	2,600	17
5	5,800	38	22	2,400	16
6	5,600	37	23	2,200	15
7	5,400	36	24	2,000	13
8	5,200	34	25	1,800	12
9	5,000	33	26	1,600	11
10	4,800	32	27	1,400	9.2
11	4,600	30	28	1,200	7.9
12	4,400	29	29	1,000	6.6
13	4,200	28	30	800	5.3
14	4,000	26	31	600	4.0
15	3,800	25	32	400	2.6
16	3,600	24	33	200	1.3
17	3,400	22			

Contaminant assay (Nuclease assay) : After overnight incubation of 200bp DNA Ladder at 37°C, no visible degradation of the marker is observed after agarose gel electrophoresis.

Recommended handling :
1. Centrifuge tube before opening to improve recovery of content.
2. Mix the marker extremely well before use by pipetting and vortexing.
3. Add 1/5 volume of 6 × Loading Dye to the marker.
4. Load 1μL of the 200bp DNA Ladder per lane on agarose gels.

information
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