

1kb DNA Ladder

Code No. **DNA-032**
 Lot No. *********
 Size **300 µL**
 Contents **1kb DNA Ladder × 1**
6 × Loading Dye × 1

Product : A mixture of 10 double-stranded, blunt-ended DNA fragments ranging from 1,000bp to 10,000bp in exactly 1,000bp increments.
 The 5,000bp band has increased intensity relative to the other bands.
 The 1kb DNA Ladder was dissolved in 10mM Tris-HCl (pH7.4) and 1mM EDTA.

Concentration : 0.3 µg/µL

Volume : 300 µL/tube

Fragment sizes	fragment No.	Number of
		Base Pairs(bps)
	1	10,000
	2	9,000
	3	8,000
	4	7,000
	5	6,000
	6	5,000
	7	4,000
	8	3,000
	9	2,000
	10	1,000

Contaminant assay (Nuclease assay) : After overnight incubation of 1kb DNA Ladder at 37°C, no visible degradation of the marker is observed after agarose gel electrophoresis.

Handling recommendations :
 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 1kb DNA Ladder per lane on agarose gels.

