

# Loading Quick<sup>®</sup> 200bp DNA Ladder

Code No. DNA - 131  
Lot No. \* \* \* \* \*  
Storage Conditions - 20  
Shipping Conditions 4  
Size 50 µg  
Contents 200bp DNA Ladder × 1

## Certificate of Analysis

Product : A mixture of 11 double-stranded DNA fragments ranging from 200bp to 2,200bp in exactly 200bp increments, and 4,000bp of double-stranded DNA fragments. The 1,000bp band has increased intensity relative to the other bands. The 200bp DNA Ladder was dissolved in 10mM Tris-HCl (pH8.0), 5mM NaCl, 10mM EDTA, 5% glycerol, and 0.05% bromophenol blue.

Concentration : 0.1 µg / µl

Volume : 500 µl / tube (50µg /tube)

Fragment sizes :

fragment No.	Number of Base Pairs(bps)	Molecular weight ( × 10 <sup>5</sup> daltons)
1	4,000	26
2	2,200	15
3	2,000	13
4	1,800	12
5	1,600	11
6	1,400	9.2
7	1,200	7.9
8	1,000	6.6
9	800	5.3
10	600	4.0
11	400	2.6
12	200	1.3

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. Load 5 µl of the 200bp DNA Ladder per lane on agarose gels.