

## KB Plus DNA Logical Ladder

**Cat. No.:** M103O; M103R  
**Concentration:** 450 ng/5  $\mu$ l  
**Storage:** -20°C  
**Update Date:** 03/12/2010

Cat. No.	Format	Loading Size	Volume
M103O	original format	100 Lanes	500 $\mu$ l
M103R	ready-to-use™	100 Lanes	500 $\mu$ l

### Description

KB Plus DNA logical ladder is suitable for sizing and quantifying double-stranded DNA from 100 bp to 10 kb. KB Plus DNA Logic-Ladder is consisted of the following 15 DNA fragments: 100 bp, 200 bp, 300 bp, 400 bp, 600 bp, 800 bp, 1 kb, 1.5 kb, 2 kb, 3 kb, 4 kb, 5 kb, 6 kb, 8 kb, and 10 kb. The KB Plus DNA Logic-Ladder was formulated to yield such a pattern that each band contains a Logic amount of the DNA fragment that correlates to its size. Therefore, the Logic-ladder not only reveals a unique pattern for easy recognition of the bands on the gel, but also gives a quantitative measurement of the DNA fragments. Thus both the size and the quantity of a particular DNA fragment could be read at a glance.

### Recommended Loading

5  $\mu$ l (or 1  $\mu$ l/mm width of gel well)

### Storage Buffer

10 mM Tris-HCl (pH7.5), 1 mM EDTA

### Note

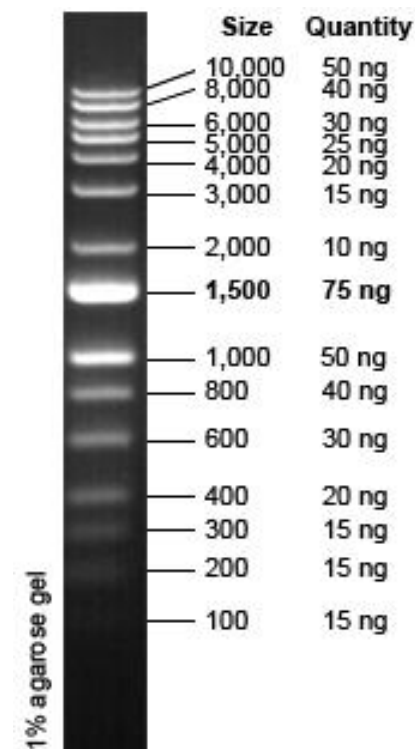
- 6X DNA loading buffer can be ordered separately.
- Ready-to-use™ format is premixed with DNA loading buffer containing 5% Glycerol, 0.02% bromophenol blue, 0.02% xylene cyanol.

### Quality Control

- Agarose gel analysis shows that the bands between 100 bp and 10 kb are accurate in size and distinguishable. The 1.5 kb band is easily identified than any other bands.
- Incubation of 5  $\mu$ l of the DNA Logical Ladder in restriction enzyme buffer overnight at 37°C shows absence of visible degradation.

### Related Products

Cat. No.	Product
M106O	PCR DNA Ladder
M101O	1 KB DNA Ladder
M102O	100 bp DNA Ladder
E00007	Taq DNA Polymerase
D0056	dNTP Mixture, 10 mM each



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