

**Catalog No.:** M103

**Product Name:** Logic DNA Ladder

**Size:** 1000µl

**Description:** Logic DNA Ladder contains 16 DNA bands ranging from 100bp to 10Kb, formulated so that each band contains an amount of DNA that correlates logically to its size, allowing the user to estimate both the size and the quantity of specific fragments at a glance. It is particularly useful for protocols such as probe labeling, DNA sequencing and optimizing insert/vector ratio in ligation reactions, where DNA concentration must be taken into consideration.

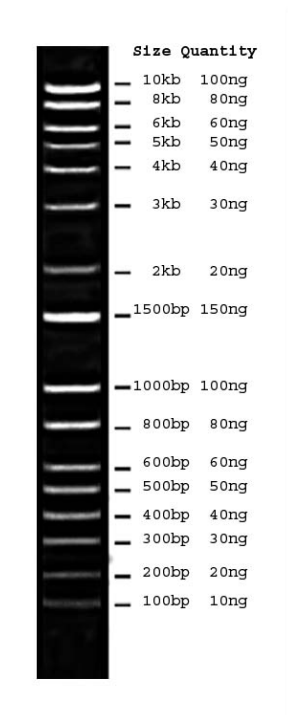
**Storage:** Store at -20°C.

**Concentration:** 920ng/6µl

**Loading Buffer Composition:**

10mM Tris-HCl  
1mM EDTA (pH 8.0)  
0.02% Bromophenol blue  
0.02% Xylene cyanol  
5% Glycerol

**Usage:** Add 6µl of Logic DNA Ladder directly to wells designated for markers, which will yield the amount as indicated in the picture. You may use more than 6µl of ladder, depending on well size and level of dye used to visualize the bands. Calculate the amount for each band according to your loading volume.



**Related products**

**Catalog No.**

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|-------------------------------------|--------|
| • 1Kb DNA Ladder                    | M108   |
| • 100bp DNA Ladder                  | M107   |
| • Agarose (Standard-Agarose)        | A113   |
| • DNA SafeStain                     | C138   |
| • Ultra Bright LED Transilluminator | SLB-01 |
| • UltraSlim® LED Illuminator        | LB-16  |

*This product is for research use only.*