

DNA Logical Ladder

Cat. No.: M103O; M103R
Concentration: 450 ng/5 μ l
Storage: -20°C
Version: 01/29/2008

Cat. No.	Format	Loading Size	Volume
M103O	original format	100 lanes	500 μ l
M103R	ready-to-use™	100 lanes	500 μ l

Description

DNA logical ladder is suitable for sizing and quantifying double-stranded DNA from 100 bp to 10 kb. 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 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 μ l (or 1 μ l/mm width of gel well)

Storage Buffer

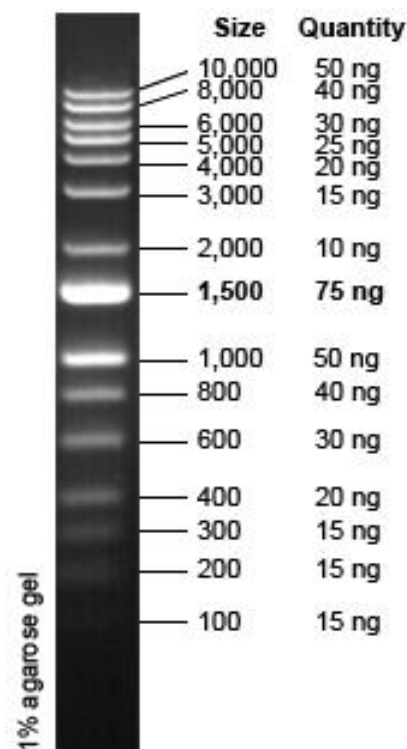
10 mM Tris-HCl (pH7.5), 1 mM EDTA

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 μ l of the DNA Logical Ladder in restriction enzyme buffer overnight at 37°C shows absence of visible degradation.



Related Products

Cat. No.	Product	Total Units	Price
M106O	PCR DNA Ladder	500 μ l	\$25.00
M101O	DNA KB Ladder	500 μ l	\$25.00
M102O	100 bp DNA Ladder	500 μ l	\$44.00
E00007	<i>Taq</i> DNA Polymerase	1000 U	\$60.00
E00021	<i>Pfu</i> DNA Polymerase	250 U	\$98.00
D0056	dNTP Mixture, 10 mM each	0.5 ml	\$25.24

** For non-clinical research use only. **

Tel: 732-885-9188 Fax: 732-210-0262 E-Mail: info@genscript.com www.genscript.com