

100 bp DNA Ladder

Code No. 3407A **Size: 500 μ l**
(for 100 lanes)
Conc.: 650 ng/5 μ l

Supplied Reagent:
6X Loading Buffer **1 ml**

Description:

This marker consists of 10 fragments between 100 bp and 1 kb in multiples of 100 bp and an additional fragments at 1.5 kb. The 500 bp band containing triple the mass of the other fragments, serves as a visible reference indicator; all other fragments appear with equal intensity on the gel. They are all double-stranded DNA fragments.

Loading volume is 5 μ l per lane. 5 μ l of this product contains about 50 ng of each band, except the 500 bp fragment which contains about 150 ng.

Fragment	Size (bp)
A	1,500
B	1,000
C	900
D	800
E	700
F	600
G	500
H	400
I	300
J	200
K	100

Form:

10 mM Tris-HCl, pH 7.4
1 mM EDTA

Storage:

-20°C
(Once opened, 6X Loading Buffer should be stored at room temperature)

Application:

Used as a DNA molecular size marker in agarose gel electrophoresis.

6X Loading Buffer (Store at RT after used):

36% Glycerol
30 mM EDTA
0.05% Bromophenol Blue
0.02% Xylene Cyanol

Add 1/5 volume of 6X Loading Buffer with DNA solution to apply on agarose gel electrophoresis. In case precipitates generated during the storage at room temperature, dissolve in warm bath before use.

Application example:

100 bp DNA Ladder	5 μ l
6X Loading Buffer	1 μ l

Run agarose gel electrophoresis using
ex. 3% PrimeGel™ Agarose PCR-Sieve (Cat. #5810A).

Perform staining with EtBr, or SYBR™ Green I Nucleic Acid Gel Stain (Cat. #5760A/5761A)*.

* Not available in all geographic locations. Please check for availability in your area.

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Note

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