DNA MW Standard Marker

100 bp DNA Ladder

Code No. 3407A
Size: 500 μl
(for 100 lanes)

Shipping at -20˚C
Stored at -20˚C

Supplied Reagent : 6X Loading Buffer 1 ml

Lot No.
Concentration : ng / μl
Volume : μl

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

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

Add 6X Loading Buffer with 1/5 volume of 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 μl
6X Loading Buffer	1 μl

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Run agarose gel electrophoresis using ex. 3% NuSieve 3 : 1 Agarose (BMA Corp.).

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Perform staining with EtBr, SYBR™ Green I Nucleic Acid Gel Stain or GelStar® Nucleic Acid Stain (BMA Corp.).

Form : 10 mM Tris-HCl, pH7.4
1 mM EDTA

Description : This marker consists of 10 fragments between 100 and 1000 bp in multiples of 100 bp and an additional fragment at 1500 bp. 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 μl per lane. 5 μl of this product contains about 50 ng of each band, except the 500 bp fragment which containes 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

Usage : Used as a DNA molecular size marker in gel electrophoresis.
This product can be radioactively labeled at 5'-termini by the kinase phosphorylation reaction using MEGALABEL™ (TaKaRa Cat.# 6070).

Note
For research use only. Not for use in diagnostic or therapeutic procedures.

Produced by TAKARA Korea Biomedical Inc.
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