

500 bp Ladder

Catalog Number **DM 1025, 1025L, 1026, 1026L**

Storage Temperature **-20°C**

Product Description

The 500 bp Ladder is prepared from WELGENE recombinant plasmids digested by adequate restriction enzyme, followed by phenol inactivation of enzyme. And other materials are also completely removed. So you can always see the bands with high resolution and the same band pattern. The 500 bp Ladder contains 10 double stranded DNA fragments ranging in size from 500~5,000 bp in 500 bp increment. Especially, concentrations of 2 kb and 4 kb DNA bands are 2~3 times higher than other bands, so you can more easily estimate your sample size.

Storage Buffer (for DM 1025, DM 1026)

12 mM Tris-HCl (pH 8.0)

1 mM EDTA (pH 8.0)

6X Loading Dye (for DM 1025, DM 1026)

15 % (w/v) Ficoll

0.05 % (w/v) Bromophenol blue

45 mM EDTA (pH 8.0)

Buffer I (for DM 1025L, DM 1026L)

10 mM Tris-HCl (pH 8.0)

8.33 mM EDTA (pH 8.0)

2.5 % (w/v) Ficoll

0.0083 % Bromophenol blue

Final concentration (when mixed with lyophilized DNA)

2.5 % (w/v) Ficoll

7.5 mM EDTA (pH 8.0)

Instructions For Use

Solution Form

Mix DNA solution dissolved in TE buffer (pH 8.0) with 6X Loading Dye offered with our product in the ratio of 5:1 before use.

Ex. 1) 5 ul of DNA solution + 1 ul of 6X Loading Dye

Ex. 2) 10 ul of DNA solution + 2 ul of 6X Loading Dye

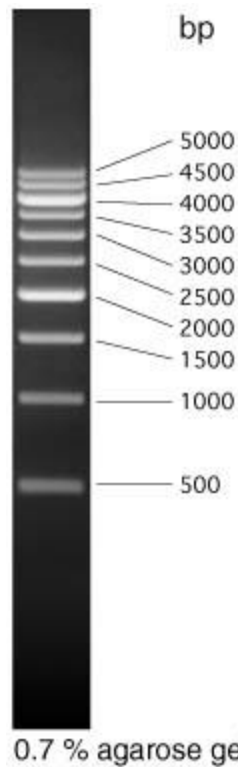
Lyophilized Form

Add 600 ul (DM 1025L), or 1.2 ml (DM 1026L) of Buffer I solution offered with our product to blue DNA precipitate, and dissolve it completely so that it may become the concentration indicated at the bottom of this product information just before using it.

*Once dissolved, store at less than 0°C

Precautions

For *In Vitro* Use Only



Catalog No.	Form	Quantity
DM 1025	Solution	0.05 mg/0.5 ml X 1
DM 1026	Solution	0.1 mg/1.0 ml X 1
DM 1025L	Lyophilized	0.05 mg/pellet X 1
DM 1026L	Lyophilized	0.1 mg/pellet X 1