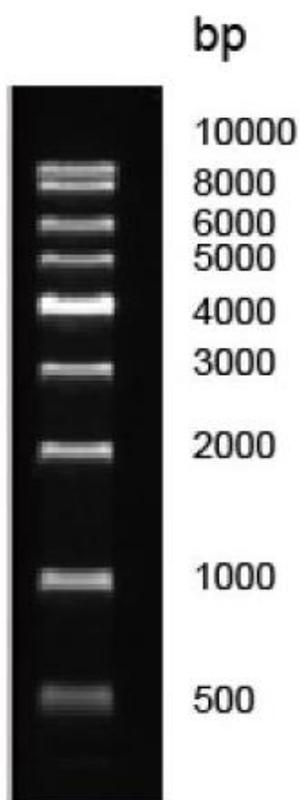


Ver.23.05

1kb DNA Ladder

OMD111

Description: The 1kb DNA Ladder contains 9 discrete DNA fragments ranging in size from 1kb to 10kb. This marker is suitable for sizing linear double-stranded DNA fragments. All bands (except 4kb) are supplied at approximately 40-50ng/5 μ L. The 4kb are 100ng/5 μ L as a reference band. This ladder is pre-mixed with loading dye and is ready to use.



1.0% agarose
5 μ L product
8V/cm voltage
0.5X TBE buffer

Concentration

Reference band: 100ng/5 μ L

Other bands: 40-50ng/5 μ L

Volume: 250 μ L

Protocol

- 1) Directly load 4-6 μ L of this product on the agarose gel (load 1 μ L per 1mm gel lane).
- 2) Electrophoresis condition: 0.6-1% agarose gel, 4-10V/cm voltage.
- 3) DNA marker can be visualized using Ethidium bromide under UV light

Recommendations

- 1) Directly use, do not heat before loading.
- 2) Please use new agarose gel and change electrophoresis buffer in time, so as not to affect the electrophoresis results.
- 3) Load 0.1 μ g product per 1mm gel lane, 0.5 μ g for <6 mm gel lane. For wider gel lane, more product should be loaded.

Storage: Store at -20°C for 1 year.