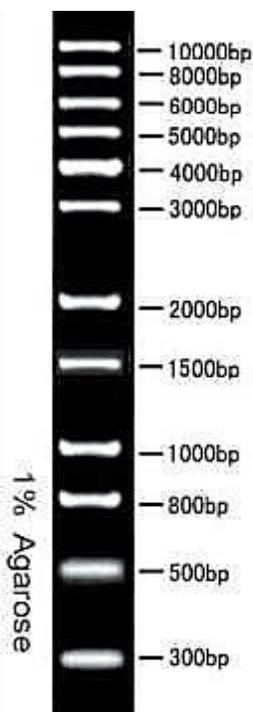


# 1kb Plus DNA Ladder

OMD113-01

**Description:** The 1 kb Plus DNA Ladder contains 12 discrete DNA fragments ranging in size from 300bp to 10kb. This marker is suitable for sizing linear double-stranded DNA fragments. All bands (except 4kb) are supplied at approximately 40-50ng/5 $\mu$ L. The 4kb are 100ng/5 $\mu$ L as a reference band. This ladder is pre-mixed with loading dye and is ready to use.



1.0% agarose  
5 $\mu$ L product  
4-10V/cm voltage  
0.5X TBE buffer

**Volume:** 250 $\mu$ L

## Protocol

- 1) Directly load 5 $\mu$ L of this product on the agarose gel (load 1 $\mu$ 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 $\mu$ g product per 1mm gel lane, 0.5 $\mu$ g for <6 mm gel lane. For wider gel lane, more product should be loaded.

**Storage:** Store at -20 $^{\circ}$ C for 1 year.