



1kb Ladder

Catalog Number:

CW0641S (100 preps)

CW0641M (500 preps)

Storage Condition:

-20°C

Kit Components:

Component	CW0641S (100 preps)	CW0641M (500 preps)
1kb Ladder	500 µl	5× 500 µl

Product Introduction:

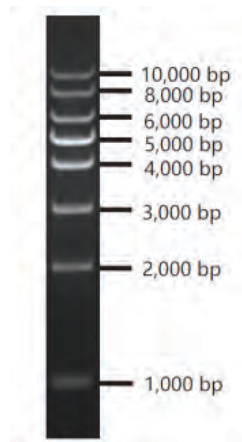
The 1kb Ladder consists of 8 DNA fragments, which are 1 kb, 2 kb, 3 kb, 4 kb, 5 kb, 6 kb, 8 kb, and 10 kb, respectively. This product already contains 1× Loading Buffer and 5 μl marker can be directly loaded for electrophoresis gel. It is very convenient to use. The 5 kb DNA fragment is about 150 ng, which is the brightest band. The amount of DNA for other bands is about 50 ng.

Precautions:

1. This product can be directly used after thawing and mixing; No need of heating.
2. Please change the electrophoresis running buffer and use an agarose gel newly made to avoid affecting the electrophoresis results.
3. For DNA agarose gel electrophoresis, the purity of the gel has a great influence on the clarity of the DNA bands. Try to use good quality agarose. The recommended gel concentration is 1%-3%, and the voltage is 4-8 v/cm.
4. Gel concentration is closely related to the separation of DNA fragments. The higher the gel concentration, the better the separation of short DNA fragments; conversely, the lower the gel concentration, the better the separation of long DNA fragments.

Protocol:

Load 5 μl of 1kb Ladder into the agarose gel wells (if the width of wells is larger than 6 mm, increase the loading volume), and then run electrophoresis gel.



5 μl of 1kb Ladder loaded on a 0.7% agarose gel