

1kb DNA Ladder

Cat.No. MW3-050

Storage: at 4°C for six months; at -20°C for two years

Concentration: 0.09 mg/ml

Description

1kb DNA Ladder is composed of eight linear double-stranded DNA bands. This ready-to-use product is premixed with 1x DNA loading buffer. Based on experiment requirement, 5µl marker can be directly loaded for gel electrophoresis. To provide simple operation and produce clear image, for easy reference on agarose gels, the 4000 bp band (100 ng/5 µl) is brighter than the other bands (50 ng/5 µl).

Advantage

Suitable for accurate determination of the size of DNA fragment within the range of 100 bp-1500 bp.

Composition

1000 bp, 2000 bp, 3000 bp, **4000** bp (100 ng/5 µl, the double intensity band), 5000 bp, 6000 bp, 8000 bp, 10000 bp.

Storage Buffer

10 mM Tris-HCl (pH 8.4), 10 mM EDTA, 0.02% bromophenol blue, 5% glycerol

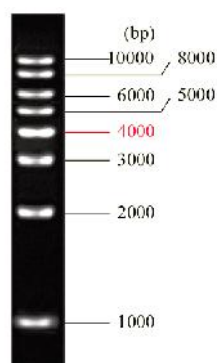
Instructions for Use

- Load 1kb DNA Ladder on the lane on a 2-3% agarose gel (load 1 µl marker for 1 mm lane, increase the loading volume for wider lane).
- Suggested electrophoresis conditions: 1% agarose gel, voltage 4-10 v/cm.
- Stained with nucleic acid dyes, visualize the bands under exposure to ultraviolet light.

Notes

- Completely thaw and mix well before use.
- Please change the electrophoresis buffer in time and use freshly prepared gel to avoid adverse effect on the result.

1kb DNA Ladder (5 µl)



1% TAE agarose gel stained with PastoDye (loading volume: 5 µl)