

# 50bp DNA Ladder

**Cat.No.** M1050-50

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

**Concentration:** 0.10 mg/ml (100 ng/μl)

## Description

The 50bp DNA Ladder is composed of thirteen linear double stranded DNA bands. This ready-to-use product is premixed with 1xDNA 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 250 and 500 bp bands (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-1000 bp.

## Composition

50 bp, 100bp, 150bp, 200 bp, 250bp, 300 bp, 400 bp, **500 bp**, 600 bp, 700 bp, 800 bp, 900 bp, 1000bp.

## Storage Buffer

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

## Instructions for Use

- Load 50 bp DNA Ladder on the lane on a 3% agarose gel (load 1 μl marker for 1 mm lane, increase the loading volume for wider lane ).
- Suggested electrophoresis conditions: 3% 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.

50bp DNA Ladder (5 μl)

