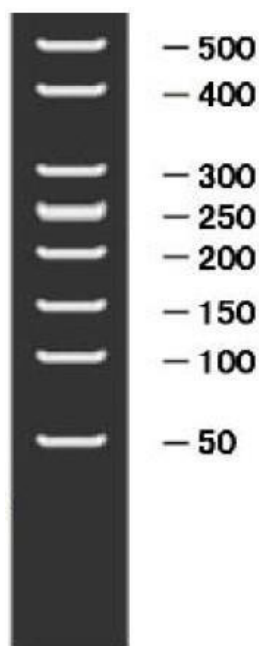


Ver.24121

# 50bp DNA Ladder

OMD108-01

**Description:** The ladder consists of eight double-stranded DNA bands that are suitable as molecular weight standards for agarose gel electrophoresis. The product is ready-to-use; it is premixed with 1X Loading Buffer for direct loading 5 $\mu$ L on agarose gel electrophoresis. The ladder is composed of 8 individual DNA fragments (in base pairs): 500, 400, 300, 250, 200, 150, 100, and 50. It contains one intense band(250bp) for easy orientation. To load 5 $\mu$ L of the product will provide 50ng per DNA fragment with one intense fragment of 100ng.



2.5 % agarose  
5 $\mu$ L product

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

## Protocol

- 1) Directly load 5 $\mu$ L on the agarose gel (load 1 $\mu$ L per 1mm gel lane).
- 2) Electrophoresis condition: 2-3% 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.

**Storage:** -20°C for 1 year