

## 100 bp DNA Ladder

<http://hk.lumiprobe.com/p/100-bp-dna-ladder>

The 100 bp DNA Ladder is intended for use as a standard to determine the length of double-stranded DNA molecules ranging from 100 to 1000 base pairs (bp) by agarose gel electrophoresis. It allows an approximate estimate of the mass of the DNA sample loaded into the gel by comparing the brightness of the analyzed sample band with that of a marker band of the same length.

The 100 bp DNA Ladder is ready-to-use and is a mixture of ten double-stranded linear DNA fragments of 100, 200, 300, 400, 500, 600, 700, 800, 900, and 1000 bp, in gel-loading buffer. The 500 bp fragment is double-concentrated to facilitate its identification after gel electrophoresis.

The DNA length marker is supplied in a [loading buffer](#) containing two dyes (Bromophenol Blue and Xylene Cyanol FF) to monitor the mobility of DNA fragments in the gel, EDTA as an inhibitor of metal-dependent nucleases, and glycerol as a weighting agent. The 100 bp DNA length marker can be visualized in an agarose gel by staining with intercalating dyes (e.g., [GelRed](#), [dsGreen](#), [dsGold](#), or ethidium bromide).

### Directions for use:

- This DNA length marker is not recommended for use in polyacrylamide gel electrophoresis.
- It is recommended to add 2-5  $\mu\text{L}$  of the DNA length marker to a 5-mm lane of an agarose gel (agarose concentration: 1-2%).

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外观:

质量控制:

储存条件:

法律声明: 本產品僅供研究目的提供和銷售。本產品並未經過食品、藥品、醫療器械、化妝品等領域的安全性和效力測試, 且未經明示或暗示授權用於其他任何用途, 包括但不限於體外診斷、人類或動物用途, 以及商業用途。