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100 bp DNA Ladder

http://www.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 µL of the DNA length marker to a 5-mm lane of an agarose gel (agarose concentration: 1–2%).

General properties

Appearance:	deep blue liquid
Quality control:	Functional testing
Storage conditions:	Storage: at -20°C for 12 months from delivery. After defrosting, store at +4°C for 6 months. Transportation: up to two weeks at room temperature.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.