

PRODUCT INFORMATION

***PureNA™* 100 bp DNA ladder, ready to use**

Cat# MD01-100

Kit Components

Cat#	MD01-100
Components	100 applications
Bio DL 100	500 μ L

Storage

- Store *PureNA*[™] 100bp DNA ladder at 2-8°C or -20 °C for long term usage.
- Please refrain from freezing and thawing the DNA ladder kit excessively.

Description

PureNA[™] 100 bp DNA ladder is designed for quantification of a range of DNA on agarose and polyacrylamide gels. It is composed of 11 purified individual DNA fragments in lengths of **100 bp, 200 bp, 300 bp, 400 bp, 500 bp, 600 bp, 700 bp, 800 bp, 900 bp, 1000 bp, 1500 bp**. Loading 5 μ L of the ladder each time will provided 50 ng DNA per fragment.

NOTE

1. If the thickness of agarose or polyacrylamide gel sample is less than 6 mm, only 5 μ L of DNA ladder will be needed to get a clear electrophoresis band. If the gel is thicker, the volume of DNA ladder should be appropriately increased.
2. For DNA electrophoresis, the purity of agarose will influence the definition of DNA band. Therefore, good quality agarose should be chosen for the electrophoresis.
3. Agarose gel concentration will affect the separation effect. If the concentration of agarose gel is high, it will have better effect for short fragment DNA separation; if the concentration of agarose gel is low, it will be more effective for long fragment DNA separation.
4. Load the same volumes for the DNA sample and the DNA ladder.

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