



PRODUCT INFORMATION

***PureNA™* 1kb DNA Ladder, ready to use
Cat# MD02-100, MD02-500**

Kit Components

Cat#	MD02-100	MD02-500
Components	100 applications	500 applications
PureNA™ 1kb DNA Ladder	500 µL	2500 µL (5 x 500 µL)

Storage

- Store **PureNA™** 1kb 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™ 1kb DNA ladder is designed for quantification of a range of DNA on agarose and polyacrylamide gels. It is composed of 12 purified individual DNA fragments in lengths of **250 bp, 500 bp, 750 bp, 1000 bp, 1500 bp, 2000 bp, 3000 bp, 4000 bp, 5000 bp, 6000 bp, 8000 bp and 10000 bp.**

NOTE

1. If the thickness of agarose or polyacrylamide gel sample is less than 6 mm, only 5 µL 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.

