

## 1 kb DNA Ladder II

Cat. #: M0043 Size: 500 µl

### Introduction

The 1 kb DNA Ladder is suitable for sizing linear double-stranded DNA fragments from 1 kb to 10 kb. The ladder contains a total of eight bands: 1000, 2000, 3000, 4000, 5000, 6000, 8000, 10000bp. The 4 kb band has a concentration of 100 ng/5 µL with increased intensity to provide internal orientation. The other bands have a concentration of 50 ng/5 µl. The 1 kb DNA Ladder is provided in 1× loading buffer.

The Ready-to-Use DNA Ladders are supplied in a ready-to-load format. For agarose gel electrophoresis, load ~1 µl of DNA ladder per mm lane.

### Package Information

Components	M0043
1 kb DNA Ladder II	2×250 µl

### Storage

Store at -20°C for 24 months.

### Source

The ladders are generated from PCR and restriction enzyme digestion of double stranded DNA. The DNA is purified by phenol extraction, and equilibrated to 10 mM Tris-HCl (pH 8.0) and 1 mM EDTA.

### Composition

1,000 bp, 2,000 bp, 3,000 bp, 4,000 bp, 5,000 bp, 6,000bp, 8,000 bp, 10,000 bp

