



## 1 kb DNA Ladder II (250–10000 bp)

**Cat. no.** TGA-1kb-2

**Storage:** 4°C for 1 year; for longer periods, store at –20°C

**Product size:** 500 µL

### Introduction

The ladder contains 13 double-stranded DNA bands that are designed for sizing as well as the approximate quantification of wide-range molecular weight standards on agarose gels. The product is ready to use and premixed with a  $1 \times$  loading buffer for direct loading of 3–6 µL for gel electrophoresis. The ladder is composed of nine individual purified DNA fragments of 250–10000 bp. The 1000-bp and the 3000-bp fragments with enhanced intensity are designed to serve as reference bands.

### Buffer Contents

10 mM of Tris-HCl (pH 8.4)

1 mM of EDTA

### Protocol

1. Load 5 µL of this product directly onto agarose gel (load 1 µL per mm of gel width).
2. Electrophoresis setting: 0.5%–1.0% agarose gel, 4–10 v/cm.
3. Visualize the DNA marker by staining with ethidium bromide under UV light.

### Recommendations

1. Do not heat before loading.
2. Concentration: 100 µg DNA/mL.

The product is for research only. It is not for diagnostic and clinical use.

