



**PCRSizer 100bp DNA Ladder (100bp - 1,000bp)**  
Catalogue Number: 11400 (100 gel lanes)

**Description:**

High quality ready-to-use double-stranded DNA ladder derived by recombinant technology for precise on-gel size and mass determination.

**Features:**

- Precise band sizes and masses for densitometric quantification.
- Ten discrete bands, ranging from 100bp to 1,000bp.
- Higher intensity band at 500bp for easy reference.

**Contents:**

1 mL of premixed DNA ladder (0.5µg/10µL) in loading buffer (10mM EDTA, 10% glycerol, 0.015% bromophenol blue, and 0.17% SDS).

**Instructions:**

Mix thoroughly. For best results, load 10µL of DNA ladder per well. For precise mass determination with a densitometer, stain gel after electrophoresis using 0.5µg/mL ethidium bromide for 30-40 minutes. The accompanying diagram shows the size and mass for each band based on 10µL ladder per well.

**Storage:**

Stable at room temperature. For longer term storage, -20°C is recommended.

This ladder was standardized using 10µL of DNA per lane on a 0.8 cm thick, 13 x 15 cm, 1.5% agarose gel run in TAE buffer.

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