

## 100bp DNA Ladder marker

Catalogue No 412-1, 50 µg

Concentration 0.5µg/µl

**Description:** The 100 bp DNA Ladder is suitable for sizing double-stranded DNA from 100 to 1000 bp. The 500 and 1,000 base pair bands have increased intensity to serve as reference points. The double-stranded ladder can be visualized on 1% to 2% agarose gels after ethidium bromide staining.

**Preparation:** Complete digestion of MINOTECH *biotechnology* 100bp ladder plasmid with appropriate restriction enzyme yields the following 8 discrete fragments (in base pairs): 1000, 800, 600, 500, 400, 300, 200, 100.

**Storage buffer:** 10 mM Tris-HCl (pH 8.0) and 1 mM EDTA. Store at -20°C.

**Note:** Dilute in TE or other buffer of minimal ionic strength. DNA may denature if diluted in dH<sub>2</sub>O and subsequently heated.

