

Description The 100bp DNA Ladder is ideal for determining the size of double-stranded DNA from 100 to 1,500 base pairs. The ladder consists of eleven fragments that range in size from 100–1,000bp in 100bp increments, plus an additional fragment at 1,500bp. The 500bp fragment is present at increased intensity to allow easy identification. The 100bp DNA Ladder is ready for 5' end-labeling with radioisotopes using T4 Polynucleotide Kinase, allowing visualization by autoradiography. A Blue/Orange Loading Dye, 6X, is provided.

- Features**
- **Concentration:** 0.13µg/µl.
 - **Recommended Loading:** 5µl.
 - **Typical Number of Lanes:** 50.
 - **Range (bp):** 100–1,500.
 - **Number of Bands:** 11.

Storage Conditions Store at –20°C.
Storage Buffer 10mM Tris-HCl (pH 7.4), 1mM EDTA.

Description The 1kb DNA Ladder consists of 13 double-stranded, blunt-ended fragments with sizes ranging from 250 to 10,000 base pairs. The 1,000 and 3,000bp fragments have increased intensity relative to the other bands on ethidium bromide-stained agarose gels and serve as reference indicators. All other fragments appear with equal intensity on the gel. All fragments are dephosphorylated by CIAP treatment and can be directly labeled with radioisotopes using T4 Polynucleotide Kinase. The ladder is not intended for use in quantitative analysis. A Blue/Orange Loading Dye, 6X, is provided.

- Features**
- **Concentration:** 0.1µg/µl.
 - **Recommended Loading:** 5µl.
 - **Typical Number of Lanes:** 100.
 - **Range (bp):** 250–10,000.
 - **Number of Bands:** 13.

Storage Conditions Store at –20°C.
Storage Buffer 10mM Tris-HCl (pH 7.4), 1mM EDTA.