

Catalog no. PC-100DL04

Size: 54 µg

Concentration: 540 ng/lane

Storage: Store at -20°C

Shipping: Shipped on dry/blue ice.

For in vitro use only!

ProCyto 100 bp DNA ladder consists of twelve fragments: 100 bp -1500bp

- Supplied at a concentration of 540 ng/µl
- Supplied with 6X blue gel loading dye**
- 100 bp DNA ladder is ideal for separation on 1–2% agarose gels. The optimum gel percentage is 1.7% for better separation.

Product description

ProCyto 100 bp DNA Ladder can be used to determine the size and approximate quantification of double-stranded DNA in the range of 100 bp to 1500 bp.

100 bp DNA Ladder consists of twelve purified DNA fragments and has reference bands at 1000, and 500 bp with increased intensity for easy detection.

**Composition of Loading Dye:

0.25% Xylene Cyanol CFF

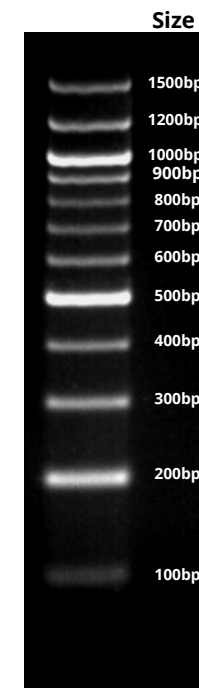
0.25% Bromophenol Blue

60% Glycerol

Loading Protocol:

- The ladder is premixed with (6X) gel loading dye.
- Mix gently by pipetting.
- Carefully load 2.5 µl/ lane on the agarose gel. (We recommend loading 0.54 µg of 100 bp DNA ladder diluted in sample buffer).

Fragments	Base Pairs	DNA Mass
1	1500	40
2	1200	40
3	1000	80
4	900	35
5	800	35
6	700	35
7	600	35
8	500	80
9	400	40
10	300	40
11	200	40
12	100	40



DNA Ladder visualized by ethidium bromide staining on a 1.5% TAE agarose gel. Mass values are of 0.54 µg/lane

Notes:

- ProCyto100 bp DNA ladder is stable for at least 6 months at 4°C. For long-term storage, store at -20°C.
- For optimum resolution, the recommended Voltage is 5-8 V/cm.