

Description: 100 bp DNA Ladder (ready to use) is used for determining the size of double-stranded DNA from 100 to 1000 base pairs.

Number of fragments: 10

DNA fragments length (bp): 1000, 900, 800, 700, 2x 500, 400, 300, 200, 100

Preparation of DNA ladder:

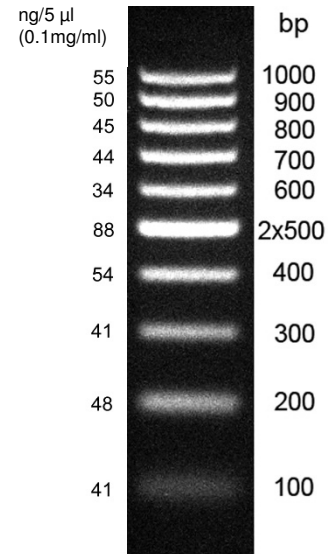
Plasmid with repetitive fragments:

- Plasmid containing fragments with size of 1000, 900, 800, 700, 2x 500, 400, 300 bp and 200 bp separated with restriction sites of EcoRV and/or RsaI are digested by EcoRV and/or RsaI enzyme.

PCR Products:

- The 100 bp fragment is a PCR product by Pfu DNA Polymerase.

The 500 bp fragment is present at increased intensity to allow easy identification.



Electrophoresis conditions:
Gel: 1% agarose
Buffer: 0.5x TBE
Voltage: 10 V/cm

Ref No.	S306009	306009	306017	color
100 bp plus DNA Ladder ready to use	Sample size	50 μg	5 x 50 μg	purple
Datasheet	1	1	1	--

Concentration: 0.1 mg/mL

Storage buffer: 10 mM Tris-HCl, pH 7.5, 1 mM EDTA, 10 mM NaCl, 6 % glycerol, 0.05 % xylene cyanol

Quality Control: Agarose gel electrophoresis

Storage: -20 °C

Usage recommendation: 5 - 6 μ L of the DNA Ladder /lane.