

Description: 100 bp plus DNA Ladder (ready to use, with dye) is used for determining the size of double-stranded DNA from 100 to 1500 base pairs.

Number of fragments: 11

DNA fragments length (bp):

1500, 1000, 900, 800, 700, 600, 2x500, 400, 300, 200, 100

Preparation of DNA ladder:

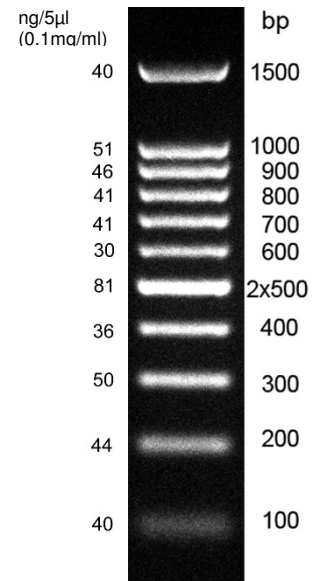
Plasmid with repetitive fragments:

- Plasmid containing fragments with size of 1500, 900, 800, 700, 600, 2x 500, 400, 300 bp and 200 bp are separated with restriction sites of EcoRV and/or RsaI were digested with EcoRV and/or RsaI enzyme.

PCR products:

- The 100 bp fragment is a PCR product of 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.	S304105	304105	304125	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, 0,05% bromphenol-blue

Quality Control: Agarose gel electrophoresis

Storage: -20 °C

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