

**Description:** 100 bp DNA Ladder (no stain) 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, 2x500, 400, 300, 200, 100

**Preparation of DNA ladder:**

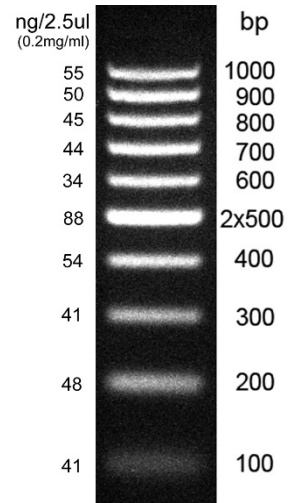
Plasmid with repetitive fragments:

- Plasmid containing fragments with size of 1000, 900, 800, 700 bp, 2x500, 400 and 200 bp separated with restrictions sites of EcoRV and/or RsaI were digested with 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.	S304005	304005	304025	color
100 bp plus DNA Ladder	Sample size	50 µg	250 µg	purple
Datasheet	1	1	1	--

**Concentration:** 0.2 mg/mL

**Storage buffer:** 10 mM Tris-HCl, pH 7.5, 1 mM EDTA, 10 mM NaCl

**Quality Control:** Agarose gel electrophoresis

**Storage:** -20 °C

**Usage recommendation:** 0.5 µg of the DNA Ladder /lane