

Description: 50 bp plus DNA Ladder is used for determining the size of double-stranded DNA from 50 to 700 base pairs.

Number of fragments: 10

DNA fragments length (bp):

700, 500, 400, 350, 2x300, 250, 200, 150, 100, 50

Preparation of DNA ladder:

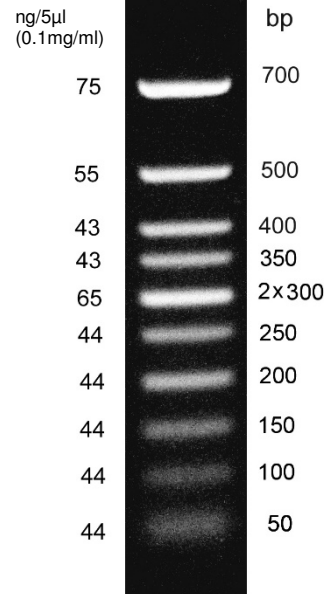
Plasmid with repetitive fragments:

- Plasmid containing fragments with size of 700, 500, 400, 2x 300 bp, 200 bp separated with restrictions sites of RsaI were digested with RsaI enzyme.

PCR products:

- The 350, 250,150 and 100 bp fragments are PCR products, (amplification products of Pfu DNA polymerase).

The 50 bp fragment is synthetic. The 500 bp fragment is present at increased intensity to allow easy identification.



Electrophoresis conditions:
Gel: 2% agarose
Buffer: 0.5x TBE
Voltage: 10 V/cm

Ref No.	S304007	304007	304017	color
50 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.