Sepahan Plant Multiplication Biotechnology Co.

100 bp DNA Ladder

Cat. NO.SP406

Size: 50 µg
Store at -20°C

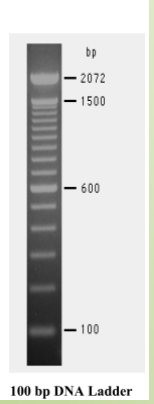
Description
The 100 bp DNA Ladder consists of 15 blunt-ended fragments between 100 and
1500 bp in multiples of 100 bp and an additional fragment at 2072 bp. The
600 bp band is approximately 2 to 3 times brighter than the other ladder bands to
provide internal orientation. This ladder is not designed for quantitation.

Storage Buffer:
10 mM Tris-HC1 (pH 7.5)
1 mM EDTA

Recommended Procedure:
A final concentration of 20 mM NaCl is recommended for gel electrophoresis. Apply approximately 0.1 µg of ladder per mm lane width. Do not heat before loading.

Quality Control:
Agarose gel analysis shows that the bands between 100 to 1500 bp are distinguishable. The 600 bp band must be more intense than any other band except the band at 2072 bp.

Labeling Protocols
The 100 bp DNA Ladder can be radioactively labeled by T4 DNA polymerase or T4 polynucleotide kinase. T4 DNA polymerase is recommended because higher specific activity is achieved with less 32 P input. The ladder may contain oligoribonucleotides which are invisible with ethidium bromide staining, but may be labeled by the T4 polynucleotide kinase exchange
reaction.



100 bp DNA Ladder

0.5 µg/lane

2 % agarose gel stained with ethidium bromide.