

FISHER MOLECULAR BIOLOGY

50 bp DNA Ladder

Fisher Molecular Biology Molecular's Weight markers are suitable for use as molecular weight standards for agarose and polyacrylamide gel electrophoresis. The DNA ladders are generated by digestion of plasmids with endonucleases to yield precise DNA fragments. All fragments have 4-base, 5' overhangs.

Effective Size Range:

The **50 bp DNA Ladder: 50 to 1200 bp**, 12 fragment, 300 bp and 1200 bp bands have increased intensity.

CONCENTRATION:

500 µg/ml in 10 mM Tris-HCl (pH 8.0) and 1 mM EDTA for markers without loading dye; 83 ng/ul for Ready-to-Load Ladders. The Ready -to-Load Ladder buffer contains 10 mM Tris HCl (ph 8.0) and 5 mM EDTA, 10% glycerol, 0.003% Bromophenol Blue, 0.006% orange G and 0.003% Xylene Cyanol FF.

RECOMMENDED LOAD: from **0.5 µg per lane or 4-6 µl for Ready-to-Load Ladder.**

STORAGE TEMPERATURE: 4°C to -20°C. For long term storage (>30 days), store at -20°C

FS-MW-011

SIZE: 50 µg

