

50 bp DNA Ladder

Fisher Molecular Biology Molecular's 50bp ladder plus is ideal for determining the size of double-stranded DNA from 50 to 1000 base pairs. The ladder consists of 13 linear double-stranded fragments.

The **250bp** and **500bp** fragments are present at increased intensity to allow easy identification. All fragments are precisely quantified and mixed during the production. For 5 ul loading, all fragments except 250bp and 500bp are 40ng. The 250bp and 500bp fragments are 100ng. This ladder is pre-mixed with loading dye and is ready to use.

Size:	50µg
Concentration:	128ng/µl
Recommended Loading:	3-5 µl/Lane
Concentration:	Typical Bands 100 ng/5µl Other Bands 40 ng/5µl

Recommended Electrophoresis Condition

5 µl/lane, 8cm 3% Agarose Gel, 0.5×TBE, 5V/cm, 1h.

Contents (bp)

50, 100, 150, 200, 250, 300, 400, 500, 600, 700, 800, 900, 1,000.

Storage: Stable for 3 months at RT, for long-time storage, please store at -20 °C.

Recommendations

Do not heat before loading. For quantification, adjust the concentration of the sample to equalize. It approximately with the amount of DNA in the nearest band of the ladder. Visualize DNA by staining with ethidium bromide or with SYBR® Green I.

For DNA bands visualization with GelRed™ use gel staining after electrophoresis to avoid aberrant DNA migration.

