



## Perfect™ 100 bp DNA Ladder

Cat. No.	size
E3134-01	50 µg
E3134-02	250 µg

**Storage Conditions:** Store at +4°C.

For long term storage, store at -20°C.



DNA ladder with 100 bp increments for sizing small-to-medium DNA fragments.

### Description:

- Ideal for sizing linear double-stranded DNA fragments from 100 to 2500 bp.
- Contains 13 bands with fragments of the following sizes: 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1500, 2000, 2500 bp.
- For easy reference, bands at 500 and 1000 bp are brighter than other bands in the ladder.
- Can be 5'-end labeled with radioisotopes and T4 Polynucleotide Kinase for visualization by autoradiography after a dephosphorylation step.
- Supplied in ready-to-load buffers containing tracking dyes.
- No preparation before loading required.

### Storage Buffer:

10 mM Tris-HCl (pH 8.0 at 22°C), 1 mM EDTA, dyes.

### Loading:

The recommended amount of size marker to load on a gel is 0.5 µg per lane. Mix well after thawing.

### Concentration:

The Perfect 100 bp DNA Ladder is supplied at 125 µg/ml in 10 mM Tris-HCl (pH 8.0), 1 mM EDTA.

5 µl load would load 625 ng DNA.\*

Band size	DNA conc.
2500 bp	25 ng
2000 bp	20 ng
1500 bp	15 ng
1000 bp	70 ng
900 bp	30 ng
800 bp	30 ng
700 bp	30 ng
600 bp	30 ng
500 bp	250 ng
400 bp	30 ng
300 bp	30 ng
200 bp	30 ng
100 bp	30 ng

\*not for use in order to quantify the amount of DNA in bands

This product is developed, designed and sold exclusively for research purposes and in vitro use only.

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