



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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