

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 2-5 µl per lane depending on a gel type and size of well.
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
 2500 bp 25 ng,
 2000 bp 20 ng,
 1500 bp 15 ng,
 1000 bp 70 ng,
 900 through 600 bp 30 ng per band,
 500 bp 250 ng,
 400 through 100 bp 30 ng per band.

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

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