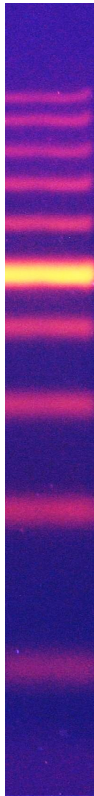




Perfect™ 100-1000 bp DNA Ladder

Cat. No.	size
E3141-01	50 µg
E3141-02	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 1000 bp.
- Contains 10 bands with fragments of the following sizes: 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000 bp.
- For easy reference, band at 500 bp is three times 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.

Storage Buffer:

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

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™ 100-1000 bp DNA Ladder is supplied at 50 µg/ml in 10 mM Tris-HCl (pH 8.0), 1 mM EDTA.

5 µl load would load 240 ng DNA.*

Band size	DNA conc.
1000 bp	20 ng
900 bp	20 ng
800 bp	20 ng
700 bp	20 ng
600 bp	20 ng
500 bp	60 ng
400 bp	20 ng
300 bp	20 ng
200 bp	20 ng
100 bp	20 ng

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