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roboklon

Perfect Plus 2 kb DNA Ladder

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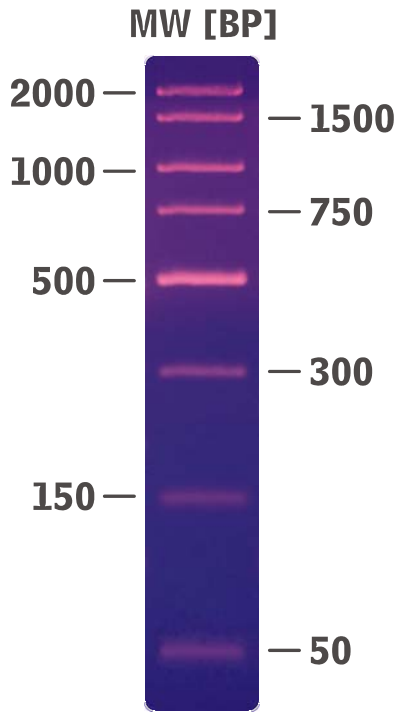
2 kb DNA Ladder

Cat. No.	Size
E3140-01	100 loadings
E3140-02	500 loadings

Storage Conditions:
Store at +4°C.
For long-term storage, store at -20°C.



Ready to use DNA ladder for sizing small to large DNA fragments.

Description:

- Ideal for sizing linear double-stranded DNA fragments from 100 to 1000 bp.
- Consists of 8 bands with sizes of 50, 150, 300, 500, 750, 1000, 1500, and 2000 bp, respectively.
- Band at 500 bp is three times brighter for easy reference on agarose gels.
- Supplied in ready-to-load buffers containing tracking dyes.
- No preparation before loading required.
- Can be 5'-end labeled with radioisotopes and T4 Polynucleotide Kinase (Cat. No. E1261) 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 5-10 µl per lane. Mix well after thawing.

Brief Guidelines for High Quality Gel Pictures

There is no magic about creating gel pictures in publication quality. Simply follow some guidelines:

- Use rather large instead of small gels (distance between electrodes approx. 30 cm).
- Use low voltage (~ 80-100 V for large gels, as a rule of thumb 70-75 % of the voltage used for routine electrophoresis).
- Allow the electrophoresis to proceed slow.
- Use fresh buffers for preparing gels. Ideally, prepare fresh buffers prior to gel electrophoresis.
- Prepare gels with narrow, slim gel pockets.
- Use only high quality agarose for preparation of agarose gels. Criteria for high quality agarose: White powder before melting, completely transparent after melting.
- It is not necessary to purchase costly special purpose agarose formulations, such as "low melting" agarose.

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