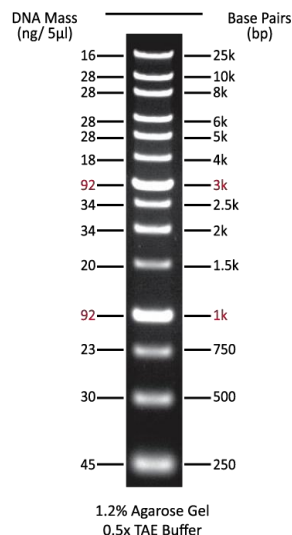


XL 1kb Plus DNA Ladder (Up to 25 kb) (Ready to Use)

Catalog No.	Description	Size
DM04-01	XL 1kb Plus DNA Ladder, 14 bands	1 x 500 µl
DM04-02	XL 1kb Plus DNA Ladder, 14 bands	5 x 500 µl

Description

The DM4100 ExcelBand™ XL 25 kb DNA Ladder is a ready-to-use DNA ladder, which is pre-mixed with loading dye for direct gel loading. The DNA Ladder DM4100 is composed of 14 individual DNA fragments: 25k, 10k, 8k, 6k, 5k, 4k, **3k**, 2.5k, 2k, 1.5k, **1k**, 750, 500, and 250 base pairs derived from a mixture of PCR products and specifically digested plasmid DNA. This product contains two enhanced bands (3 kb and 1 kb) for easy reference. In addition, two tracking dyes, Xylene cyanol FF and Bromophenol blue which mimic the migration of 4,000 bp and 500 bp dsDNA during electrophoresis are added for real time monitoring.



Note: This DNA Ladder was not designed for precise quantification of DNA mass, but can be used for approximating the mass of DNA by intensity comparison.

Storage

- Room temperature for 6 months
- 4°C for 12 months
- -20°C for 36 months

Buffering

10 mM Tris-HCl (pH 8.0), 10 mM Na-EDTA, 0.005% Bromophenol blue, 0.005%, Xylene cyanol FF and 10% Glycerol.

The ladder is supplied with the gel loading buffer and is ready to use. Do not heat or dilute before loading.

Quality Control

- 14 defined bands are observed during electrophoresis in agarose gel.
- No nuclease activity is detected by a direct nuclease activity assay.

Other information

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Caution: Not intended for human or animal diagnostic or herapeutic uses.



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