



SMOBIO

Small Bio, Smart Tool

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Product Information

ExcelBand™

**1 KB (0.25-10 kb) DNA Ladder,
Ready to Use**

DM3100 50 µg / 500 µl

Size: 500 µl

5 µl per well for 100 gel applications

Storage

Room temperature ≥ 6 months

4°C ≥ 12 months

-20°C ≥ 24 months

Description

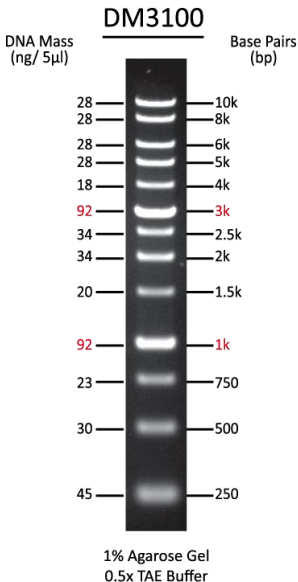
The DM3100 ExcelBand™ 1 KB (0.25-10 kb) DNA Ladder is a ready-to-use DNA ladder, which is pre-mixed with loading dye for direct gel loading. The DNA ladder DM3100 is composed of 13 individual DNA fragments: 10k, 8k, 6k, 5k, 4k, **3k**, 2.5k, 2k, 1.5k, **1k**, 750, 500, and 250 bp derived from a mixture 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 also added for real time monitoring.

Buffering

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

Quality Control

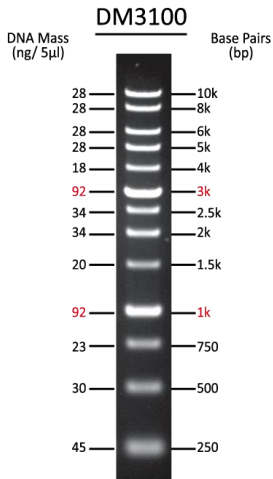
1. 13 defined bands are observed during electrophoresis in agarose gel.
2. No nuclease activity is detected by a direct nuclease activity assay.



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.



ExcelBand™ 1 KB (0.25-10 kb) DNA Ladder



1% Agarose Gel
0.5x TAE Buffer



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

Other information

SMOBIO Technology, Inc. claims all warranties with respect to this document, expressed or implied, including but not limited to those of merchantability or fitness for a particular purpose. In no event shall SMOBIO Technology, Inc. be liable, whether in contract, tort, warranty, or under any statute or any other basis for special, incidental, indirect, punitive, multiple or consequential damages in connection with or arising from this document, including but not limited to the use thereof.

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

Related Products

- DM1100 ExcelBand 50 bp DNA Ladder, 500 μ l
- DM2100 ExcelBand 100 bp DNA Ladder, 500 μ l
- DM2300 ExcelBand 100 bp+3K DNA Ladder, 500 μ l
- DM3200 ExcelBand 1 KB Plus (0.1-10 kb) DNA Ladder, 500 μ l
- DM4100 ExcelBand XL 25 kb DNA Ladder, Broad Range (up to 25 kb), 500 μ l
- DM5100 ExcelBand Super Range DNA Ladder, (50 bp- 25 kb), 500 μ l
- DL1000 ExcelDye DNA Loading Dye, Orange, 5 ml \times 2
- DL2000 ExcelDye DNA Loading Dye, Green, 5 ml \times 2
- DL3000 ExcelDye DNA Loading Dye, Blue, 5 ml \times 2
- DL4000 ExcelDye DNA Loading Dye, Tri-color, 5 ml \times 2
- DL5000 FluoroDye DNA Fluorescent Loading Dye (Green, 6X), 1 ml
- DL5001 FluoroDye DNA Fluorescent Loading Dye (Green, 6X), 1 ml \times 5
- DS1000 FluoroStain DNA Fluorescent Staining Dye (Green, 10,000X), 500 μ l
- NS1000 FluoroVue Nucleic Acid Gel Stain (10,000X), 500 μ l
- VE0100 B-BOX™ Blue Light LED epi-illuminator



B-BOX™ Blue Light LED epi-illuminator

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2016 ver. 1.3.0