



SMOBIO

Small Bio, Smart Tool

www.smobio.com

Product Information

ExcelBand™

50 bp DNA Ladder, Ready to Use

DM1100 **54 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 DM1100 ExcelBand™ 50 bp DNA Ladder is a ready-to-use DNA ladder, which is premixed with loading dye for direct gel loading. The DM1100 DNA ladder is composed of 17 individual DNA fragments: 1.5k, 1.2k, 1k, 900, 800, 700, 600, **500**, 450, 400, 350, 300, 250, **200**, 150, 100 and 50 bp derived from a mixture of PCR products and specifically digested plasmid DNA. This product contains two enhanced bands (500 bp and 200 bp) for easy reference. In addition, the low range Orange G tracking dye mimics the migration of a 50 bp dsDNA during electrophoresis, and allows for real time monitoring.

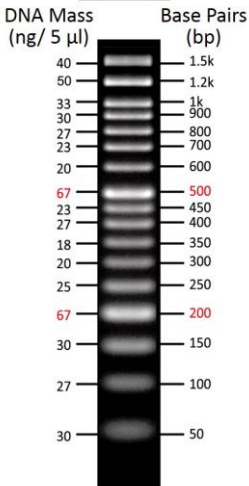
Buffering

10 mM Tris-HCl (pH 8.0), 10 mM Na-EDTA, 0.025% Orange G and 10% Glycerol.

Quality Control

1. 17 defined bands are observed during electrophoresis in agarose gel.
2. No nuclease activity is detected by a direct nuclease activity assay.

DM1100



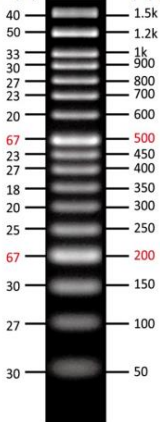
2% Agarose Gel
0.5x TAE Buffer

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

ExcelBand™ 50 bp DNA Ladder

DM1100

DNA Mass (ng/ 5 μ l) Base Pairs (bp)



2% Agarose Gel
0.5x TAE Buffer



The ladder is supplied in the 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

- DM2100 ExcelBand 100 bp DNA Ladder, 500 μ l
- DM2300 ExcelBand 100 bp+3K DNA Ladder, 500 μ l
- DM3100 ExcelBand 1 KB (0.25-10 kb) 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