



SMOBIO

Small Bio, Smart Tool

www.smobio.com

Product Information

**ExcelBand XL 25kb DNA Ladder,
Broad Range (up to 25 kb), Ready to Use**

DM4100 51.6 μ g / 500 μ l

Size: 500 μ l

5 μ l per well for 100 gel applications

Storage

Room temperature \geq 6 months

4°C \geq 12 months

-20°C \geq 24 months

Description

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. This product contains two enhanced bands (3 kb and 1 kb) for easy reference.

The ladder is ready-to-use, which is premixed with loading buffer and tracking dye for direct loading on gel.

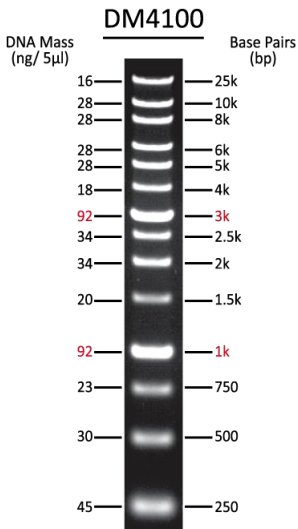
Buffering

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. 14 defined bands are formed during the electrophoresis on the agarose gel.
2. No nuclease activity is observed by a direct nuclease activity assay.

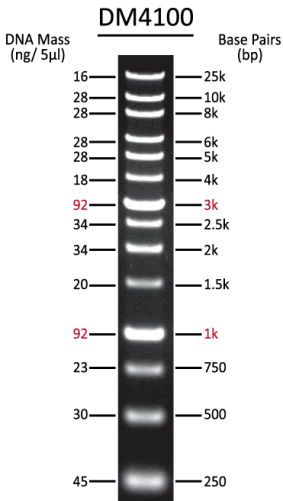
The ladder is supplied in gel loading buffer and is ready to use. Do not heat or dilute before loading.



1.2% 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 by intensity comparison.

ExcelBand XL 25 kb DNA Ladder Broad Range (up to 25 kb)



1.2% Agarose Gel
0.5x TAE Buffer



Other information

SMOBiO, 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, 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
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
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), 1ml
DL5001	FluoroDye DNA Fluorescent Loading Dye (Green, 6X), 1ml \times 5
DS1000	FluoroStain DNA Fluorescent Staining Dye (Green, 10,000X), 500 μ l
DS1001	FluoroStain DNA Fluorescent Staining Dye (Green, 10,000X), 500 μ l \times 5
VE0100	B-BOX TM Blue Light LED epi-illuminator



B-BOX™ Blue Light LED epi-illuminator

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