



**SMOBIO**

Small Bio, Smart Tool

[www.smobio.com](http://www.smobio.com)

## Product Information

### ExcelBand 100 bp DNA Ladder, Ready to Use

**DM2100**      **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 DM2100 ExcelBand 100 bp DNA Ladder is composed of 11 individual DNA fragments: **1.5k**, 1k, 900, 800, 700, 600, **500**, 400, 300, 200, and 100 base pairs. This product contains two enhanced bands (1.5k and 500 bp) for easy reference.

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

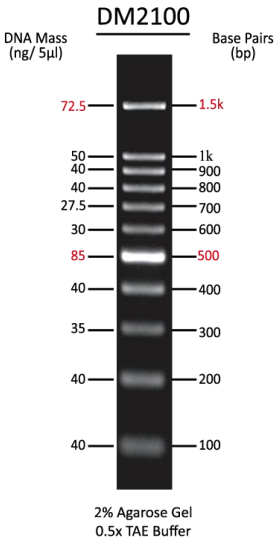
## **Buffering**

10 mM Tris-HCl (pH 8.0), 10 mM Na-EDTA, 0.025% Orange G, 0.005% Xylene cyanol FF and 10% Glycerol.

## **Quality Control**

1. 11 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.



**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.**

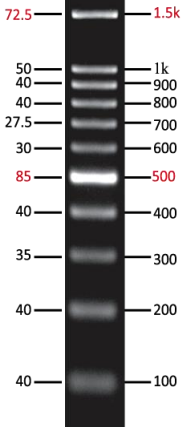


## ExcelBand 100 bp DNA Ladder

DM2100

DNA Mass  
(ng/ 5 $\mu$ l)

Base Pairs  
(bp)



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  $\mu$ l
- DM2300 ExcelBand 100 bp+3K DNA Ladder, 500  $\mu$ l
- DM3100 ExcelBand 1 KB (0.25-10 kb) DNA Ladder, 500  $\mu$ l
- DM3200 ExcelBand 1 KB Plus (0.1-10 kb) DNA Ladder, 500  $\mu$ l
- DM4100 ExcelBand XL 25 kb DNA Ladder, Broad Range (up to 25 kb), 500  $\mu$ 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  $\mu$ l
- DS1001 FluoroStain DNA Fluorescent Staining Dye (Green, 10,000X), 500  $\mu$ l  $\times$  5
- VE0100 B-BOX<sup>TM</sup> Blue Light LED epi-illuminator



B-BOX™ Blue Light LED epi-illuminator

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2013 ver. 1.2.0