



SMOBIO

Small Bio, Smart Tool

www.smobio.com

Product Information

**AccuBand™ 100 bp+3K DNA Ladder II,
Ready to Use**

DM2400 54.4 µg / 500 µl

Size: 500 µl

5 µl per well for 100 gel applications

Storage

Room temperature for 6 months

4°C for 12 months

-20°C for 36 months

Features:

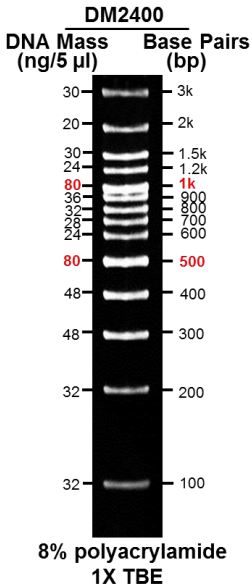
1. Stable at room temperature for 6 months
2. It is suitable for agarose and polyacrylamide gel.

Description

AccuBand™ 100 bp+3K DNA Ladder II is composed of 14 individual DNA fragments, presenting 3k, 2k, 1.5k, 1.2k, **1k**, 900, 800, 700 600, **500**, 400, 300, 200 and 100 bp sharp bands respectively. This product contains 2 enhanced bands (1k and 500 bp) for easy band identification. AccuBand™ 100 bp+3K DNA Ladder II is ready-to-use, containing loading buffer with dual color tracking dyes (orange G and Xylene cyanol FF). AccuBand™ 100 bp+3K DNA Ladder II provides a sufficient amount of DNA for clear observation of all DNA bands ranging from 100 bp to 3 kb, either in agarose gel or in polyacrylamide gel electrophoresis.

Buffering

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



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.

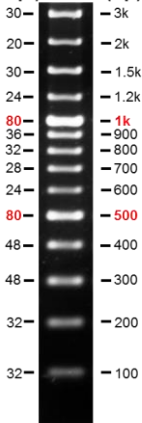


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AccuBand™ 100 bp+3K DNA ladder II

DM2400

DNA Mass (ng/5 μ l) **Base Pairs (bp)**



2% agarose gel
0.5X TAE



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

Quality Control

1. 14 defined bands are observed during electrophoresis in agarose gel.
2. No nuclease activity is detected by a direct nuclease activity assay.

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

| | |
|--------|------------------------------------------------------------------------------|
| DM2000 | AccuBand 100 bp DNA Marker II, 500 μ l |
| DM2200 | AccuBand 100 bp DNA Ladder II, 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 |
| DM4100 | ExcelBand XL 25 kb DNA Ladder, Broad Range (up to 25 kb), 500 μ l |
| PM2610 | ExcelBand Enhanced 3-color High Range Protein Marker, 250 μ l \times 2 |
| PM2800 | ExcelBand 3-color Extra Range Protein Marker, 250 μ l \times 2 |
| WM1000 | YesBlot Western Marker I, 250 μ l |
| TP1200 | ExcelTaq 5 \times PCR Master Dye Mix, 200 RXN |
| TF1000 | SMO-HiFi DNA Polymerase, 100 U |
| RP1000 | ExcelRT Reverse Transcriptase, 20,000 U |
| DL5000 | FluoroDye DNA Fluorescent Loading Dye (Green, 6X), 1 ml |
| DS1000 | FluoroStain DNA Fluorescent Staining Dye (Green, 10,000X), 500 μ l |
| NS1000 | FluoroVue Nucleic Acid Gel Stain (10,000X), 500 μ l |
| CV1100 | GetClone PCR Cloning Vector II, 20 RXN |
| CK1000 | Champion E. coli Transformation Kit |
| VE0100 | B-BOX™ Blue Light LED epi-illuminator |



B-BOX™ Blue Light LED epi-illuminator

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