



SMOBio

Small Bio, Smart Tool

www.smobio.com

Product Information

AccuBand™ 100 bp DNA marker II, Ready to Use

DM2000 45.5 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

AccuBand™ 100 bp DNA marker II is composed of 6 individual DNA fragments, presenting 2k, 1k, **750**, 500, 250 and 100 bp sharp bands respectively. This product contains 1 enhanced band (**750** bp) for easy identification of bands.

AccuBand™ 100 bp DNA marker II is ready-to-use, containing loading buffer with tracking dyes of dual colors (orange and cyan).

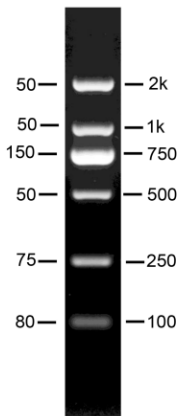
To improve the faint visibility of low molecular weight bands frequently occurred in use of conventional DNA markers, AccuBand™ 100 bp DNA marker II provides sufficient amount of DNA for 250 and 100 bp fragments, and thus ensuring clear observation of all DNA bands ranging from 100 bp to 2k bp, either 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.

DM2000

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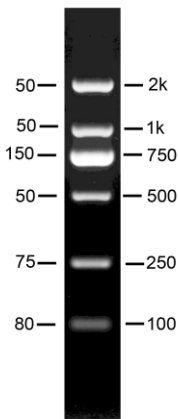


2% agarose gel
0.5X TAE

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.

AccuBand™ 100 bp DNA marker II

DM2000
DNA Mass (ng/5 μ l) Base Pairs (bp)



2% agarose gel
0.5X TAE



Quality Control

- 6 defined bands are observed during electrophoresis in agarose gel.
- No nuclease activity is detected by a direct nuclease activity assay.

The ladder is supplied within 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

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
DM4100	ExcelBand XL 25 kb DNA Ladder, Broad Range (up to 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 TM Blue Light LED epi-illuminator



B-BOX™ Blue Light LED epi-illuminator

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