



SMOBIO

Small Bio, Smart Tool

www.smobio.com

Product Information

AccuBand™ 100 bp DNA Ladder II, Ready to Use

DM2200 **50 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.

lubio
science

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Description

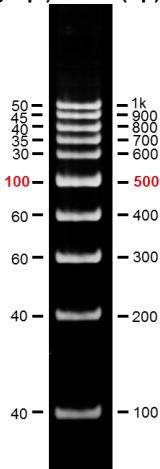
AccuBand™ 100 bp DNA Ladder II is composed of 10 individual DNA fragments, presenting 1k, 900, 800, 700 600, **500**, 400, 300, 200 and 100 bp sharp bands respectively. This product contains 1 enhanced band (500 bp) for easy identification of bands. AccuBand™ 100 bp DNA Ladder II is ready-to-use, containing loading buffer with dual color tracking dyes (orange G and Xylene cyanol FF). AccuBand™ 100 bp DNA Ladder II provides a sufficient amount of DNA for clear observation of all DNA bands ranging from 100 bp to 1 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.

DM2200

DNA Mass (ng/5 μl)	Base Pairs (bp)
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**8% polyacrylamide
1X TBE**

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.

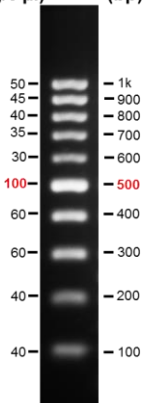


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AccuBand™ 100 bp DNA ladder II

DM2200

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

Other information

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Caution: Not intended for human or animal diagnostic or therapeutic uses.