

DNA Marker/Ladder (50) – Instruction Manual

Catalogue Information

Catalogue No.	Product Name	Pack Size
WSBL634A	50 bp DNA Marker (50–600 bp)	50 Reactions (5uL per reaction)
WSBL1330A	100 bp Plus DNA Marker (100–5,000 bp)	50 Reactions (5uL per reaction)
WSBL1328A	D2000 DNA Marker II (100–2,000 bp)	50 Reactions (5uL per reaction)
WSBL109A	1 kb Plus DNA Marker (100–10,000 bp)	50 Reactions (5uL per reaction)
WSBL108A	1 kb DNA Marker (1,000–10,000 bp)	50 Reactions (5uL per reaction)
WSBL113A	D15000 DNA Marker (250–15,000 bp)	50 Reactions (5uL per reaction)

Product Description

These DNA markers are mixtures of double-stranded DNA fragments of defined sizes, designed for agarose gel electrophoresis. All markers are ready-to-use, pre-mixed with 1× loading buffer, and produce sharp, clear bands following electrophoresis and nucleic-acid staining.

Applications

1. DNA fragment size estimation
2. Rough quantification using band intensity
3. Routine molecular biology workflows

Instructions for Use

Loading:

- Load 2–5 µL into gel wells (approx. 1 µL per 1 mm well width)

Gel Electrophoresis:

- Agarose: 1.0–2.0% (50 bp Marker optimal at 2.0%)
- Voltage: 6–8 V/cm
- Run time: 30–60 minutes
- Buffer: 1× TAE or 0.5–1× TBE

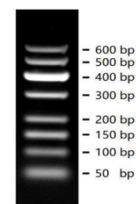
Staining:

- Compatible with EB, GoldView, SYBR dyes

Band Size Summary

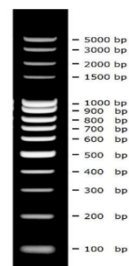
50 bp Marker Bands:

50, 100, 150, 200, 300, 400*, 500, 600 bp



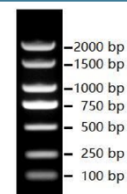
100 bp Plus Marker Bands:

100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1500, 2000, 3000, 5000 bp



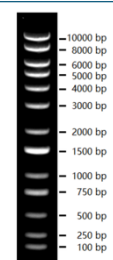
D2000 Marker II Bands:

100, 250, 500, 750*, 1000, 1500, 2000 bp



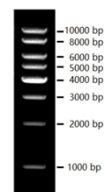
1 kb Plus Marker Bands:

100, 250, 500, 750*, 1000, 1500*, 2000, 3000, 4000, 5000, 6000, 8000, 10000 bp



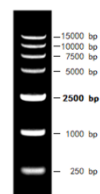
1 kb Marker Bands:

1000, 2000, 3000, 4000*, 5000, 6000, 8000, 10000 bp



D15000 Marker Bands:

250, 1000, 2500*, 5000, 7500, 10000, 15000 bp



Storage

1. Store at 4°C for up to 6 months
2. Store at -20°C for up to 2 years

Precautions

1. Use high-quality agarose
2. Replace electrophoresis buffer regularly
3. Research use only

Notice

For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

Contact:

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