

EasyLadder I

Shipping: Room Temperature Catalog numbers
Batch No.: See vial BIO-33045: 200 Lanes
BIO-33046: 500 Lanes



Storage and stability:

EasyLadder I is shipped at room temperature. On arrival store at -20°C for optimum stability. Thaw, mix, and briefly centrifuge each component before use.

Expiry:

When stored under the recommended conditions and handled correctly, band quality is retained until the expiry date on the outer box label.

Safety precautions:

Please refer to the material safety data sheet for further information.

Quality control specifications:

EasyLadder I is extensively tested quality prior to release.

Notes:

For research or further manufacturing use only.

Features

- Easy size determination
- 5 sharp and bright bands from 100 bp – 2,000 bp
- Ready-to-use format
- Optional mass determination

Description

EasyLadder I is a ready-to-use DNA molecular weight marker, specially designed for DNA analysis in standard and high-throughput agarose gels. The Ladder is pre-mixed with red loading buffer.

EasyLadder I contains 5 even-intensity bands ranging from 100 bp to 2,000 bp for easy identification of the DNA samples analyzed. EasyLadder I is an ideal DNA molecular weight marker, specially designed for short runs (1 to 3 cm) on agarose gels.

Components

Product	100 Lanes	200 Lanes	500 Lanes
EasyLadder I	500 µL	2 x 500 µL	5 x 500 µL
5x Sample Loading Buffer	1 mL	1 mL	1 mL

Associated Products

Product	Pack size	Cat. No.
Agarose	100 g	BIO-41026
Agarose Tablets	150 g	BIO-41028

Protocol

Vortex the tube and use 5 µL per lane. There is no need to add loading buffer to the ladder.

Use 5x loading buffer for sample loading, under no circumstances should it be used for diluting the ladder.

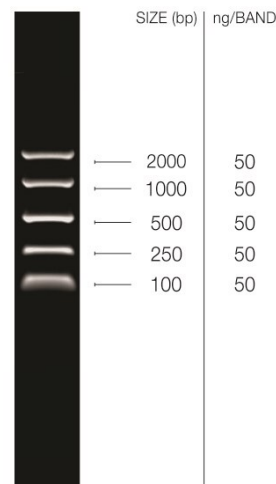
Composition

This marker is composed of a restriction digest plus one or more PCR products.

Effective DNA Separation Range - Agarose Gels

Recommended % Agarose (w/v)	Effective Separation Range of Linear DNA* (bp)
0.3	5,000-60,000
0.5	1,000-20,000
0.7	800-12,000
1.0	500-10,000
1.2	400-7,000
1.5	200-3,000
2.0	100-2,000
2.5	50-100
3.0	10-75

* Circularized plasmids can be cut and linearized by an appropriate restriction enzyme to measure their molecular weight



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