

HyperLadder™ 100bp

Shipping: Room Temperature

Catalog numbers

Batch No.: See vial

BIO-33056: 100 Lanes

BIO-33029: 200 Lanes

BIO-33030: 500 Lanes



Storage and stability:

HyperLadder 100bp is shipped at room temperature. On arrival store at -20°C for optimum stability.

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:

HyperLadder 100bp is extensively tested quality prior to release.

Notes:

For research or further manufacturing use only.

Trademark:

HyperLadder is a trademark of Bioline

Features

- Easy size determination
- 10 sharp and bright bands from 100 bp – 1,013 bp
- Ready-to-use format
- Optional mass determination

Description

HyperLadder 100bp is a ready-to-use molecular weight marker, especially designed for easy size determination. This ready-to-use format reduces handling steps and saves time; simply transfer HyperLadder 100bp from the vial to the gel.

HyperLadder 100bp produces a pattern of 10 regularly spaced bands, ranging from 100 bp to 1,013 bp. To allow easy identification and orientation, the 1,000/1,013 bp band has the highest intensity.

Optionally the HyperLadder can be used for mass determination.

A 5x sample-loading buffer is supplied for your convenience. Under no circumstances should it be used to dilute/load ladder.

Components

Product	100 Lanes	200 Lanes	500 Lanes
HyperLadder™ 100bp	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	100g	BIO-41026
Agarose Tablets	150g	BIO-41028

Protocol

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

Use the 5x loading buffer for sample loading, under no circumstances should it be used for diluting the ladder. The blue dye in the loading buffer runs at approximately 4 bp on a 1% gel.

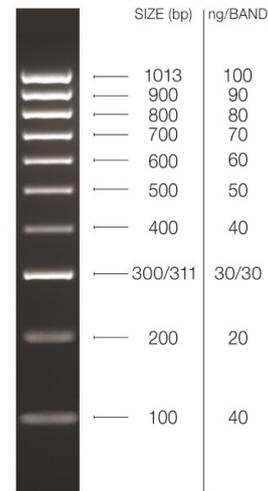
Composition

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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