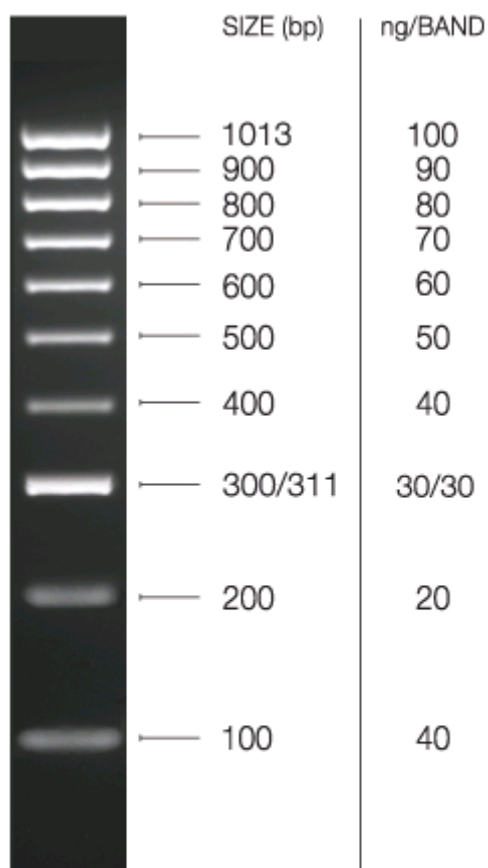


Shipping: Room Temperature Catalog numbers
Exp. Date: See vial BIO-33029: 200 Lanes
Batch No.: See vial BIO-33030: 500 Lanes

Features

- Easy size determination
- 10 bands from 100bp – 1013bp
- Ready-to-use format
- Optional mass determination



2% agarose gel
5µl per lane

Description

HyperLadder IV 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 IV from the vial to the gel.

HyperLadder IV produces a pattern of 10 regularly spaced bands, ranging from 100bp to 1013bp. To allow easy identification and

orientation, the 1000/1013bp 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	200 Lanes	500 Lanes
HyperLadder™ IV	2 x 500µl	5 x 500µl
5x Sample Loading Buffer	1ml	1ml

Protocol

Vortex the tube and use 5µl per lane.

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

Composition

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

Trouble Shooting

Ladders not sinking - vortex briefly.

Associated Products

Product	Pack size	Cat. No.
Agarose	100g	BIO-41026
Agarose Tablets	150g	BIO-41028
DNA Loading Buffer, Blue	2 x 1ml	BIO-37045
DNA Loading Buffer, Red	2 x 1ml	BIO-37068
Tri-Color DNA Loading Buffer	2 x 1ml	BIO-37070

Product Citations

1. Meredith, J., et al. *Plos One*. 6(1), doi:10.1371/journal.pone.0014587 (2011).
2. Dzahini-Obiatay, H. & Fox, R. *Afr. J. Biotechnol.* 9(5), 593-603 (2010).
3. Van den Broeke, A., et al. *BMC Genomics* 2010, 11, 179 (2010).
4. Tivendale, K.A., et al. *Microbiol.* 155, 450-460 (2009).
5. Garshasbi, M., et al. *Amer. J. Human Gen.* 82(5), 3783-3792 (2008).
6. Buonocore, F., et al. *Mol. Immunol.* 45(11), 3168-3177 (2008).
7. Beutin, L., et al. *J. Clin. Microbiol.* 43(4), 1552-1563 (2005).

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