

HyperLadder™ II

Shipping: Room Temperature

Catalog numbers

Exp. Date: See vial

BIO-33054: 100 Lanes

Batch No.: See vial

BIO-33039: 200 Lanes

BIO-33040: 500 Lanes

Storage and stability:

HyperLadder II is shipped at room temperature. Stored at room temperature it is stable for 6 months, stored at +4°C it is stable for 12 months and stored at -20°C it is stable for 24 months from date of purchase. Avoid repeated freeze thawing cycles.

Safety precautions:

Harmful if swallowed. Irritating to eyes, respiratory system and skin. Please refer to the material safety data sheet for further information.



DATA SHEET

Features

- Easy size determination
- 15 bands from 50bp – 2000bp
- Ready-to-use format
- Optional mass determination

Description

HyperLadder II 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 II from the vial to the gel.

HyperLadder II produces a pattern of 15 regularly spaced bands, ranging from 50bp to 2000bp. To allow easy identification and orientation, the 300bp, 1000bp and 2000bp bands have 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™ II	500µl	2 x 500µl	5 x 500µl
5x Sample Loading Buffer	1ml	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

Trouble Shooting

Ladders not sinking - vortex briefly.

Notes

1. This product insert is a declaration of analysis at the time of manufacture
2. HyperLadder is a trademark of Biorline
3. No licence is conveyed in respect of US 6,680,378
4. Research Use Only

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. Griffin, P. C., *et al. BMC Biology*, **9**(19) (2011).
2. Baston-Buest, D. M., *et al. Reproduction* **139**, 741-748 (2010).
3. Silva, E., *et al. Vet. Microbiol.* **132**, 111-118 (2008).
4. Phillips, N.E., *et al. J. Exp. Marine Biol. Ecol.* **362** (2), 90-94 (2008).
5. Weiss, A., *et al. J. Chromatog.* **853**, 190-197 (2007).
6. Contento, A., *et al. Cyto. Genome Res.* **109**, 34-42 (2005).

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