

# HyperLadder™ V

Shipping: Room Temperature Catalog numbers

Exp. Date: See vial BIO-33031: 200 Lanes

Batch No.: See vial BIO-33032: 500 Lanes

## Storage and stability:

HyperLadder V 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 mass determination
- 12 bands from 25bp – 500bp
- Ready-to-use format
- Optional mass determination

### Description

HyperLadder V is a ready-to-use molecular weight marker for size determination of DNA fragments. It is especially designed for short fragments such as apoptotic DNA oligonucleotides. This ready-to-use format reduces handling steps and saves time; simply transfer HyperLadder V from the vial to the gel.

HyperLadder V produces a pattern of 12 regularly spaced bands, ranging from 25bp to 500bp. To allow easy identification and orientation, the 100bp and 200bp 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™ V	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 Bioline
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. Davies, J.S., *et al. J. Biol. Chem.* **286**(17):15227-15239 (2011).
2. Flórez, O., *et al. Parasitol. Res.* **107**(2), 439-442 (2010).
3. Vreulink, J.-M., *et al. J. App. Microbiol.* **109**(4), 1411-1421 (2010).
4. Robinson, T., *et al. Anal. Chem.* **81**(1), 302-306 (2009).
5. Thomson, S., *et al. Meth. Mol. Biol.* **512**, 233-248 (2009).
6. Williamson, M.R., *et al. J. Cell Sci.* **121**, 2696-2704 (2008).
7. Karpinsky, P., *et al. Mol. Can. Res.* **6**, 585-601 (2008).

Gentaur Molecular Products  
Voortstraat 49  
1910 Kampenhout, Belgium