

Product Insert

HyperLadder IV

Research Use Only

DESCRIPTION

HyperLadder IV allows determination of molecular weight and DNA quantification and is specially designed for short fragments such as PCR products.

SIZING

HyperLadder IV produces a pattern of 9 regularly spaced bands, ranging from 100 to 1,000bp. The 1,000 band has a higher intensity than the others to allow easy identification and each band is an exact multiple of 100bp.

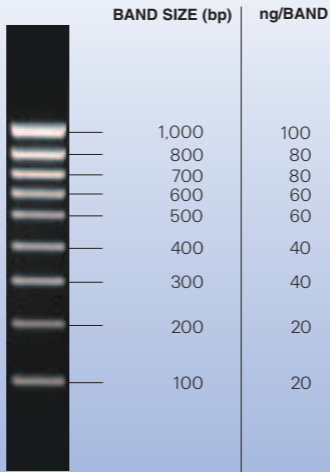
QUANTIFICATION

When using the standard loading of 5 μ l per lane, (500ng of DNA) each band corresponds to a precise quantity of DNA (see figure on outside).

PRODUCT	PACK SIZE	CATALOGUE NUMBER	PRESENTATION
HyperLadder IV	200 lanes	BIO-33029	2 x 500 μ l
HyperLadder IV	500 lanes	BIO-33030	5 x 500 μ l

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5 μ l HyperLadder IV/lane, 2% molecular-biology grade agarose in 1x TAE stained with Ethidium Bromide.

STORAGE CONDITIONS

The HyperLadder IV should be stored at -20°C until first use. Thereafter, the product can be stored at 4°C for up to 6 months.

Avoid multiple freeze thaw cycles, as these can damage the product.

SHIPPING CONDITIONS

Suitable for shipping at room temperature.

PRODUCT LIFE

One year from the date of purchase.

TROUBLE SHOOTING

Ladders not sinking - vortex briefly.

5x LOADING BUFFER

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

