

GenLadder 100 bp Plus with gel staining dye

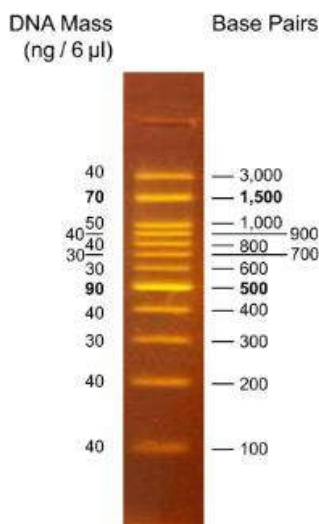
Ready-to-use synthetic DNA Size Marker with fragments from 100 bp to 3.0 kb containing tracking dyes and nucleic acid staining dye.

Component	Cat#	M3237.0050	M3237.5050	Colour code of cap and tube
GenLadder 100bp Plus with gel staining dye		1x 600 µL (0.09µg/µL)	5x 600 µL (0.09µg/µL)	

Product Description

The Genaxxon bioscience 100bp Plus DNA Ladder is an ideal DNA size marker for fragments sizes from 100bp up to 3000bp of linear double-stranded DNA. The 500 and 1500 bp bands have increased intensity to serve as reference points. The ladder is supplied in a ready-to-use format containing tracking dyes and an additional non-toxic fluorescent DNA staining dye. High quantum yield and excellent stability make this fluorescent dye the ideal DNA staining dye for various applications and a superior replacement for the widely used dyes, e.g., EtBr, SYBR®Green I or GelRed®. The GenLadder 100bp Plus with gel staining dye was optimized for direct loading onto unstained agarose gels.

Each band is exact with respect to DNA size. No ambiguous bands are visible.



Fragment sizes and amount of DNA per band

Fragment sizes	Amount of DNA per band
3000bp	40ng/6µL
1500bp	70ng/6µL
1000bp	50ng/6µL
900bp	40ng/6µL
800bp	40ng/6µL
700bp	30ng/6µL
600bp	30ng/6µL
500bp	90ng/6µL
400bp	40ng/6µL
300bp	30ng/6µL
200bp	40ng/6µL
100bp	40ng/6µL

1.5 % TBE agarose gel

Stability and Storage

Very stable in the delivered form at a constant temperature of -20°C.

It is not recommended to thaw and freeze.

Repeat thaw-freeze cycles (>10 times) will harm the DNA-marker.

Store the DNA marker at -20°C up to 1 year. Store the DNA marker at +2°C to +8°C up to 6 months.

Concentration

Marker is already dissolved in buffer containing orange G & xylene cyanol FF as tracking dyes.

The total concentration of the DNA-Marker is 90µg/mL.

Loading

We recommend loading 0.5 - 0.6µg (5 - 6µL) per lane.

Related Products

Genaxxon bioscience offers more products of the SimplyEnlight PCR product line including the [Red MasterMix Fluoro \(2x\) with gel staining dye \(M3236\)](#), the [DNA loading buffer I Fluoro \(M3323\)](#) or the [pBLook™ LED transilluminator \(M3234\)](#).

Please visit our web-page for details: www.genaxxon.com.