

## New since April 2023!

# GenLadder 100 bp Plus with loading dye

Synthetic DNA Size Marker with fragments from 100 bp to 3.0 kb  
 DNA-Ladder with loading dye.

Component	Cat#	GM3094.0050	GM3094.0250	GM3094.5050	Cap colour code
GenLadder 100bp Plus with loading dye		1x 500 µL (0.1µg/µL)	2x 1250 µL (0.1µg/µL)	5x 500 µL (0.1µg/µL)	yellow

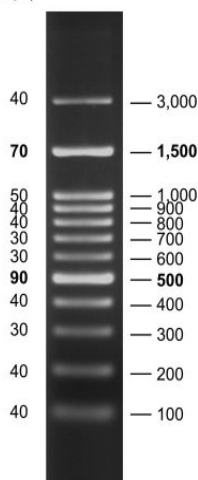
### Description

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.

- Number of bands: 12
- The bands at 500 bp and 1500 bp are present at increased intensity for better orientation.
- Each band is exact with respect to DNA size. No ambiguous bands are visible.
- The difference between each band up to 1000 bp is exactly 100 bp.
- Supplied dissolved in storage buffer with loading dye for direct application in the gel.

DNA Mass  
(ng / 5 µl)

Base Pairs



### Fragment sizes and amount of DNA per band

Fragment sizes	Amount of DNA per band
3000bp	40ng/5µL
<b>1500bp</b>	<b>70ng/5µL</b>
1000bp	50ng/5µL
900bp	40ng/5µL
800bp	40ng/5µL
700bp	30ng/5µL
600bp	30ng/5µL
<b>500bp</b>	<b>90ng/5µL</b>
400bp	40ng/5µL
300bp	30ng/5µL
200bp	40ng/5µL
100bp	40ng/5µL

1.5 % TAE 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.

For short-term storage (up to 12 months), store at +2°C to +8°C.

### Concentration

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

The total concentration of the DNA-Marker is 0.1µg/µL (108µg/mL).

### Loading

We recommend to load 2 µL (0,2 µg) per lane in case of staining with [SafeGel \(M3193\)](#).

Also possible: Load 5 µL (0,5 µg) per lane in case of staining with Ethidium bromide.

### Related Products

Genaxxon bioscience offers also different [DNA-Polymerases](#), [Agaroses](#) and [dNTPs](#).

Please visit our web-page for details: [www.genaxxon.com](http://www.genaxxon.com).