

# Genaxxon BioScience

## GenLadder 100bp

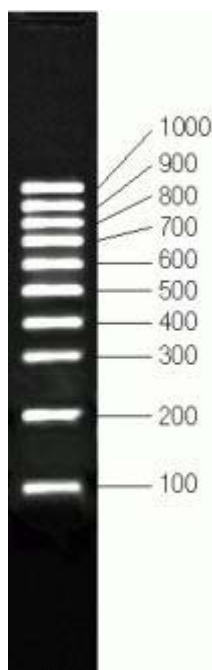
Synthetic DNA Size Marker with fragments from 100 bp to 1kb

fon:  
 +49 (0)7357 - 91 63 77  
 fax:  
 +49 (0)7357 - 91 63 78  
 eMail:  
[info@genaxxon.com](mailto:info@genaxxon.com)  
 internet:  
[www.genaxxon.com](http://www.genaxxon.com)

Product	Cat#	Package size
GenLadder 100 bp	M3082.0050	1 x 50 µg
GenLadder 100 bp	M3082.5050	5 x 50 µg
GenLadder 100 bp	M3082.0250	1 x 250 µg

### Description

The Genaxxon BioScience 100 bp Ladder is an ideal DNA size marker for fragments sizes from 100 bp up to 1000 bp of linear double-stranded DNA. All bands light up with the same intensity except the bands at 500bp and 100 bp which are brighter for better orientation. Each band is exact with respect to DNA size. No ambiguous bands are visible.



1 µg of M3082 DNA-Ladder.  
 2% Agarose/TBE.  
 5 V/cm for 2,5 hours.

### Fragment sizes

Fragment sizes	DNA masses at 1 µg
100bp (2x)	33 ng/10 µl
200bp	33 ng/10 µl
300bp	49 ng/10 µl
400bp	66 ng/10 µl
500bp (2x)	164 ng/10 µl
600bp	98 ng/10 µl
700bp	115 ng/10 µl
800bp	131 ng/10 µl
900bp	148 ng/10 µl
1000bp	164 ng/10 µl

### 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.

### Concentration

Marker is already dissolved in buffer without dye.  
 The total concentration of the DNA-Marker is about 0.15 µg / 1 µl.

### Usage

We recommend to load 0.5 – 1.0 µg (3 µl – 5 µl) per lane.

### Related Products

Genaxxon offers also different DNA-Polymerases, Agaroses and dNTPs. Please visit our web-page for details: [www.genaxxon.com](http://www.genaxxon.com)