

Genaxxon BioScience

GenLadder 300 bp - 10 kbp

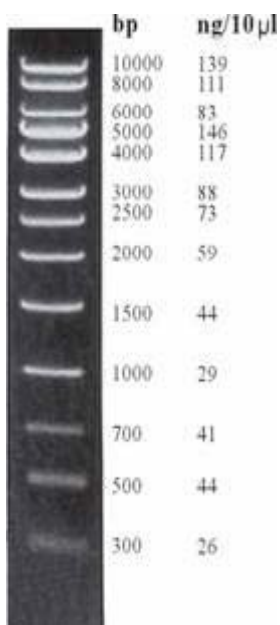
Synthetic DNA Size Marker with fragments from 300 bp to 10000 bp.

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| Product | Cat# | Package size |
|--------------------------|------------|--------------|
| GenLadder 1 kbp with dye | M3328.0050 | 1 x 50 µg |
| GenLadder 1 kbp with dye | M3328.5050 | 5 x 50 µg |
| GenLadder 1 kbp with dye | M3328.0250 | 1 x 250 µg |

Description

This GenLadder is an ideal DNA size marker for fragments sizes from 300 bp up to 10000 bp of linear double-stranded DNA. All bands light up with the same intensity. Each band is exact with respect to DNA size. No ambiguous bands are visible.



Fragment sizes

| Fragment sizes | DNA masses at 1 µg |
|----------------|--------------------|
| 300bp | 26 ng/10 µL |
| 500bp | 44 ng/10 µL |
| 700bp | 41 ng/10 µL |
| 1000bp | 29 ng/10 µL |
| 1500bp | 44 ng/10 µL |
| 2000bp | 59 ng/10 µL |
| 2500bp | 73 ng/10 µL |
| 3000bp | 88 ng/10 µL |
| 4000bp | 117 ng/10 µL |
| 5000bp | 146 ng/10 µL |
| 6000bp | 83 ng/10 µL |
| 8000bp | 111 ng/10 µL |
| 10000bp | 139 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 dissolved in loading buffer with dye. Storage buffer: 10 mM EDTA, 10% Glycerol, 0.015% bromophenol blue, 0.15% SDS. The total concentration of the DNA-Marker is about 0.1 µg / 1 µL.

Loading

We recommend to load 0.5 – 1.0 µg (5 – 10 µL) per lane

Related Products

| Product | Cat# | Package size |
|-------------------------|-------|---------------|
| 100 bp ladder | M3082 | 50 µg; 250 µg |
| 100 bp + 1.5 kbp ladder | M3340 | 50 µg; 250 µg |
| 100 bp ladder extended | M3083 | 50 µg; 250 µg |

Genaxxon BioScience offers DNA-Polymerases, modifying enzymes, agaroses and dNTPs. Please visit our web-page for details: www.genaxxon.com.