

Specification

DNA Ladder 100 bp (lyophilised)

A3470

Product Code:	A3470
Product Name:	DNA Ladder 100 bp (lyophilised)
Short Description:	additional product description: DNA size standard for medium-sized fragments and PCR products
Specifications:	<ul style="list-style-type: none"> : • Number of bands: 11 : • Fragment sizes in bp: 1000; 900; 800; 700; 600; 500 (x2); 400; 300; 200; 150; 100 : • supplied with loading buffer (1X) : • recommended loadings: 0.4 - 0.8 µg/lane : • extremely stable: storage for at least 4 years at -20°C possible
WGK:	1
Storage:	-20°C
Shipment:	wet ice
CS:	29349990
Comment	<p>The fragments of this size marker occur in equimolar proportions, i.e. also all possible marking positions on the terminal <i>EcoR</i> I generated recessed ends. The band mass increases with fragment length. The DNA is deproteinized and lyophilized. This marker is particularly suitable for comparison with medium-sized DNA fragments and PCR products. The 500 base pair band mass has been doubled for easier orientation on 1.5 - 2.0 % agarose gels. The size and mass of plasmid insertions or PCR products can be determined precisely in the range up to 1000 base pairs at intervals of 100 base pairs. An additional band with 150 base pairs has been included for the determination of smaller PCR products. The best results are achieved after a migration distance of approx. 60 - 80 mm on a 1.5 % agarose gel. Each lane of a normal sized agarose gel (approx. 80 ml) should be loaded with approx. 0.4 - 0.8 µg of marker. Loading buffer is supplied separately. Prevent repeated freezing and thawing (> 20x). We recommend to prepare small aliquots. The lyophilized form is stable even for weeks at ambient temperature!</p>

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