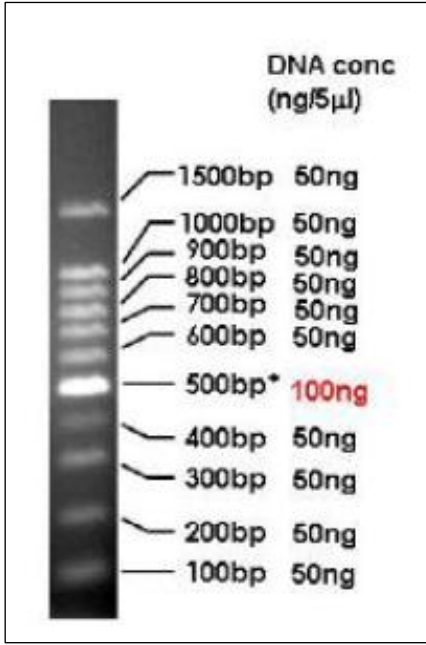


## DNA Size Marker, 100 bp Ladders (100-1,500 bp) Ready to use

<b>Product code</b>	02-420																								
<b>Size</b>	250 $\mu$ l																								
<b>Storage</b>	-20°C																								
<b>Product Description</b>	<p>The BioAcademia 100 bp DNA Ladder mixture is suitable for sizing linear double-stranded DNA fragments from 100 bp to 1.5 kbp as for sizing PCR products. The 500 bp band has increased intensity (100 ng/5 <math>\mu</math>l) to provide internal orientation. The mass of DNA in each band in other bands is provided (assuming a 50 ng/ 5 <math>\mu</math>l load) for approximate quantification in comparably intense samples of similar size. To avoid annealing between the DNA bands, all the bands have blunt-ends.</p> <p><b>Recommended volume of application per lane 5 <math>\mu</math>l</b></p>																								
<b>DNA ladders</b>	100, 200, 300, 400, 500, 600, 700, 800, 900, 1,000 and 1,500 bp (11 bands, see Figure below)																								
<b>Concentration</b>	0.65 $\mu$ g/ 5 $\mu$ l																								
<b>Buffer</b>	10 mM Tris-HCl (pH 8.0), 1 mM EDTA																								
<b>Application</b>	<p>Figure. Electrophoretic pattern of 100 bp DNA ladders on 2% agarose gel in TAE buffer. Five <math>\mu</math>l of the DNA ladder solution was applied.</p>  <table border="1" data-bbox="635 1167 1062 1809"> <thead> <tr> <th>Band Size (bp)</th> <th>DNA conc (ng/5<math>\mu</math>l)</th> </tr> </thead> <tbody> <tr><td>1500bp</td><td>50ng</td></tr> <tr><td>1000bp</td><td>50ng</td></tr> <tr><td>900bp</td><td>50ng</td></tr> <tr><td>800bp</td><td>50ng</td></tr> <tr><td>700bp</td><td>50ng</td></tr> <tr><td>600bp</td><td>50ng</td></tr> <tr><td>500bp*</td><td>100ng</td></tr> <tr><td>400bp</td><td>50ng</td></tr> <tr><td>300bp</td><td>50ng</td></tr> <tr><td>200bp</td><td>50ng</td></tr> <tr><td>100bp</td><td>50ng</td></tr> </tbody> </table>	Band Size (bp)	DNA conc (ng/5 $\mu$ l)	1500bp	50ng	1000bp	50ng	900bp	50ng	800bp	50ng	700bp	50ng	600bp	50ng	500bp*	100ng	400bp	50ng	300bp	50ng	200bp	50ng	100bp	50ng
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<b>Related Product</b>	02-400 DNA Size Marker, 1 kbp Ladders (1-10 kbp)																								
<p>Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.</p>																									