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# 100bp DNA Ladder



**Image** 



#### Overview

Quantity:	100 tests
Detection Range:	100-1500 bp
Minimum Detection Limit:	100 bp
Application:	Agarose Gel Electrophoresis (AGE)
Product Details	
Purpose:	100bp DNA Ladder (Quantitative) is ideal for determining the size of double-stranded DNA from
	100 to 1500 base pairs.
Detection Method:	Fluorometric
Characteristics:	The ladder consists of 11 linear double-stranded DNA fragments, chromatography-purified. The
	intensity of the 500bp has been increased to serve as a reference for easy identification. All
	fragments are precisely quantified and mixed during the production. For 5 $\mu L$ loading, all
	fragments except 500bp are at 40ng. The 500bp fragment is at 100ng. This ladder is pre-mixed
	with loading dye and is ready to use.
	11 DNA Fragments (bp): 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, and 1500
	500bp Band: 100ng/5 μL
	Other Bands: 40ng/5 µL
	Range: 100bp-1.5kb
	Bands: 11

### **Application Details**

Application Notes: Recommended Loading: 5 µL/Lane. Add 5  $\mu$ L ladder directly to each well. You may need more or less than 5  $\mu$ L of ladder, depending

## **Application Details**

	on well size and level of intensity needed to visualize the bands.  Recommended Loading: 5 μL/Lane, 8cm, 1.7% Agarose Gel, 0.5×TBE, 5V/cm, 1h.
Comment:	Do not heat before loading.  For quantification, adjust the concentration of the sample to equalize.  Visualize DNA by staining with ethidium bromide or with SYBR Green I.
Restrictions:	For Research Use only
Handling	
Format:	Liquid

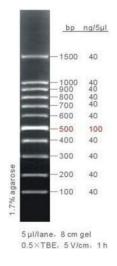
Format: Liquid

Storage: -20 °C

Storage Comment: 1 year at room temperature, for long term storage, please keep at -20°C.

Expiry Date: 12 months

#### **Images**



#### **Agarose Gel Electrophoresis**

Image 1.