

# Gel-Ready™ 100bp DNA Ladder

## Technical Specifications



Lucigen Corporation  
 2120 W. Greenview Dr., #9  
 Middleton, WI 53562 USA  
 Tel. 608-831-9011  
 Fax. 608-831-9012  
 Web www.lucigen.com  
 Email lucigen@lucigen.com

100 gel lanes  
 Catalog No. 50020-1.

**Stable at room temperature. For longer term storage, -20°C is recommended.**

For *In Vitro* Research Use Only.

Not for Drug or Diagnostic use. Not for use in humans or animals.

<b>Product Description</b>	High quality ready-to-use double-stranded DNA ladder derived by recombinant technology for precise on-gel size and mass determination.
<b>Band sizes</b>	<ul style="list-style-type: none"> <li>• Eleven discrete bands, ranging from 50bp to 1,000bp.</li> <li>• Higher intensity band at 500bp for easy reference.</li> </ul>
<b>Composition</b>	1ml of premixed DNA ladder (0.5µg/10µl) in loading buffer (10mM EDTA, 10% glycerol, 0.015% bromophenol blue, and 0.17% SDS).
<b>Standardization</b>	This ladder was standardized using 10µl of DNA per lane on a 0.8 cm thick, 13 x 15 cm, 2.0% agarose gel run in TAE buffer.
<b>Stability</b>	Stable for (12 months) if handled properly.
<b>Storage</b>	Stable at room temperature. For longer term storage, -20°C is recommended.

### Warranty

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**Instructions for use:**

Mix thoroughly. For best results, load 10µl of DNA ladder per well (Figure 1). For precise mass determination with a densitometer, stain gel after electrophoresis using 0.5µg/ml ethidium bromide for 30-40 minutes.

Figure 1. Size and mass for each band in the Gel-Ready 100bp DNA Ladder. Loading: 10µl ladder per well in 2.0% agarose. Note: Mass per band is given for reference only. The actual amount determined per band can vary depending upon quantitation method, standard used, and pipetting accuracy.

