

Gel-Ready™ 1kb DNA Ladder

Technical Specifications



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100 gel lanes
 Catalog No. 50010-1.

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.

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| Product Description | High quality ready-to-use double-stranded DNA ladder derived by recombinant technology for precise on-gel size and mass determination. |
| Band sizes | <ul style="list-style-type: none"> • Thirteen discrete bands, ranging from 300bp to 10,000bp. • Higher intensity band at 5,000bp. |
| Composition | 1ml of premixed DNA ladder (0.5µg/10µl) in loading buffer (10mM EDTA, 10% glycerol, 0.015% bromophenol blue, and 0.17% SDS). |
| Standardization | This ladder was standardized using 10µl of DNA per lane on a 0.8 cm thick, 13 x 15 cm, 1.0% agarose gel run in TAE buffer. |
| Stability | Stable for (12 months) if handled properly. |
| Storage | 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 1kb DNA Ladder. Loading: 10µl ladder per well in 1.0% 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.

