

## 1 kb DNA Ladder with 6× Loading Dye

LOT: See product label

EXPIRY DATE: See product label

## ORDERING INFORMATION

CAT. NO.	SIZE	PACKAGE CONTENT
BR0800101	100 lanes	1 kb DNA Ladder (500 µl) DNA Loading Dye (1 ml)

COMPONENT	COMPOSITION
1kb DNA Ladder	DNA in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA, Glycerol and tracking dye (orange G)
DNA Loading Dye, 6×	10 mM Tris-HCl (pH 8.0) and 60 mM EDTA, Glycerol and tracking dyes (bromophenol blue, xylene cyanol FF and orange G)
STORAGE	25°C for maximum 6 months (up to expiry date) 4°C for maximum 12 months (up to expiry date) -20°C for maximum 24 months (up to expiry date)
SHIPMENT	Ambient temperature

## FEATURES

- Ready to use DNA ladders ideal for DNA sizing and gel quantification
- Pure and stable — retain sharp bands after 6 months storage at room temperature
- Supplied with 6× Loading Dye for sample DNA
- 250–10,000 bp range, thirteen DNA bands, 1,000 and 3,000 bp reference bands

## APPLICATIONS

- DNA sizing and approximate quantification on agarose gels

# 1 kb DNA Ladder with 6× Loading Dye

## DESCRIPTION

biotechrabbit DNA electrophoresis ladders are mixtures of exceptionally purified DNA fragments created either by PCR or by digesting proprietary plasmids with restriction enzymes. Ladders are ready to use and suitable not only for DNA sizing but also for approximate DNA quantification in gels. For convenience, ladders have increased intensity reference bands and indicated DNA amount in nanograms for every band.

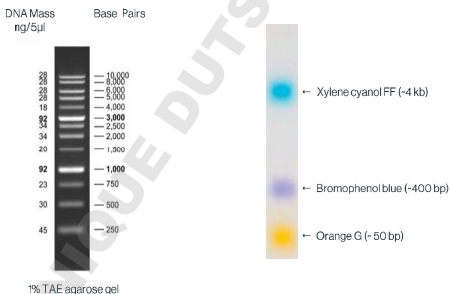
Every ready-to-use ladder is supplied with the nuclease-free Loading Dye Solution, which ensures optimal migration and quantification of your DNA probes. It includes three electrophoresis tracking dyes (xylene cyanol, bromophenol blue and orange G), allowing the process of the DNA through the gel to be visualized.

### 1KBDNA LADDER

Range: 250 – 10,000 bp  
Reference: 1,000 and 3,000 bp  
Number of bands: 13

### DNA LOADING DYE, 6×

Approximate migration of tracking Dyes  
1% TAE agarose gel,  
ambient light



## 1 kb DNA Ladder with 6× Loading Dye

### PROTOCOL

COMPONENT	LOADING VOLUME	ACTIONS BEFORE LOADING
1 kb DNA Ladder	5 $\mu$ l	Mix well
DNA Loading Dye, 6×	Typically 6 $\mu$ l	Add 1 volume of Loading Dye, 6×, to 5 volumes of DNA

# 1 kb DNA Ladder with 6× Loading Dye

---

## CERTIFICATE OF ANALYSIS

### Functional assay

Tested in agarose gel electrophoresis.

Quality confirmed by: Dr. Claudia Jurk

## USEFUL HINTS

- Visit Support at [www.biotechrabbit.com](http://www.biotechrabbit.com) for product selection guides.
- Visit Applications at [www.biotechrabbit.com](http://www.biotechrabbit.com) for more nucleic acid purification and analysis products.
- Visit OEM at [www.biotechrabbit.com](http://www.biotechrabbit.com) for custom product formulations and bulk amounts.

## CONTACT BIOTECHRABBIT

biotechrabbit GmbH  
Neuendorfstr. 24a  
16761 Hennigsdorf, Germany

[info@biotechrabbit.com](mailto:info@biotechrabbit.com)  
[support@biotechrabbit.com](mailto:support@biotechrabbit.com)  
[www.biotechrabbit.com](http://www.biotechrabbit.com)

Office: +49 3302 207 5410  
Fax: +49 3302 207 5411

### Legal Disclaimer and Product Use Limitation

*Purchase of product does not include a license to perform any patented applications; therefore it is the sole responsibility of users to determine whether they may be required to engage a license agreement depending upon the particular application in which the product is used. This product was developed, manufactured, and sold for in vitro use only. It is not suitable for administration to humans or animals.*

*Trademarks: biotechrabbit<sup>®</sup>, DirectUP<sup>™</sup> (biotechrabbit GmbH).*