

## 50 bp DNA Ladder with 6× Loading Dye

LOT: See product label

EXPIRY DATE: See product label

### ORDERING INFORMATION

CAT. NO.	SIZE	PACKAGE CONTENT
BR0800401	100 lanes	500 µl 50 bp DNA Ladder RTU 1 ml DNA Loading Dye

COMPONENT	COMPOSITION
50 bp DNA Ladder RTU	Ready-to use DNA in 10 mM Tris-HCl (pH 8.0), 10 mM EDTA, Glycerol and tracking dye (orange G)
DNA Loading Dye	6× DNA Loading Dye: 10 mM Tris-HCl (pH 8.0), 60 mM EDTA, Glycerol and tracking dyes (bromophenol blue, xylene cyanol FF and orange G)

### STORAGE

-20°C (until expiry date – see product label)

### 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

### APPLICATIONS

- DNA sizing and approximate quantification on agarose gels

# 50 bp 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.

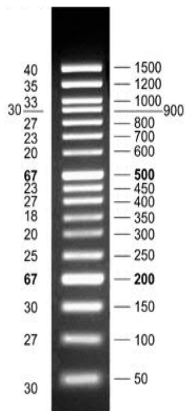
### 50 BP DNA LADDER

Range: 50 – 1,500 bp  
Reference: 200 and 500 bp  
Number of bands: 17

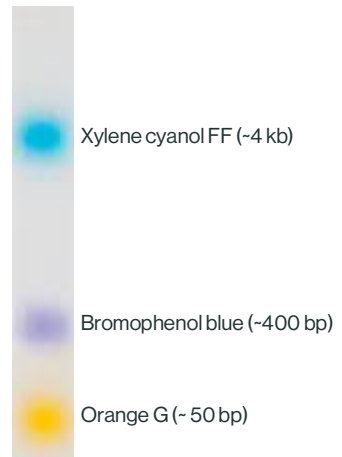
### DNA LOADING DYE, 6×

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

DNA Mass  
ng/5µl



2% TAE agarose gel



## PROTOCOL

COMPONENT	LOADING VOLUME	ACTIONS BEFORE LOADING
50 bp DNA Ladder ready-to-use	5 $\mu$ l	Direct loading
6× DNA Loading Dye	Add 1 volume of Loading Dye to 5 volumes of DNA	Mix well

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## CERTIFICATE OF ANALYSIS

### Functional assay

Tested in gel electrophoresis.

Quality confirmed by: Head of Quality Control

## SAFETY INSTRUCTIONS

For safety instructions please see Safety Data Sheets (SDS)/Sicherheitshinweise finden Sie in den SDS unter: <http://www.biotechrabbit.com/support/documentation.html>.

## USEFUL HINTS

- Visit Applications at [www.biotechrabbit.com](http://www.biotechrabbit.com) for more products and product selection guides.
- Most biotechrabbit products are available in custom formulations and bulk amounts.

## CONTACT BIOTECHRABBIT

biotechrabbit GmbH  
Volmerstr. 9a  
12489 Berlin, Germany

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

Phone: +49 30 555 7821-10  
Fax: +49 30 555 7821-99



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*valid from 24.08.2016*