

Product Insert



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

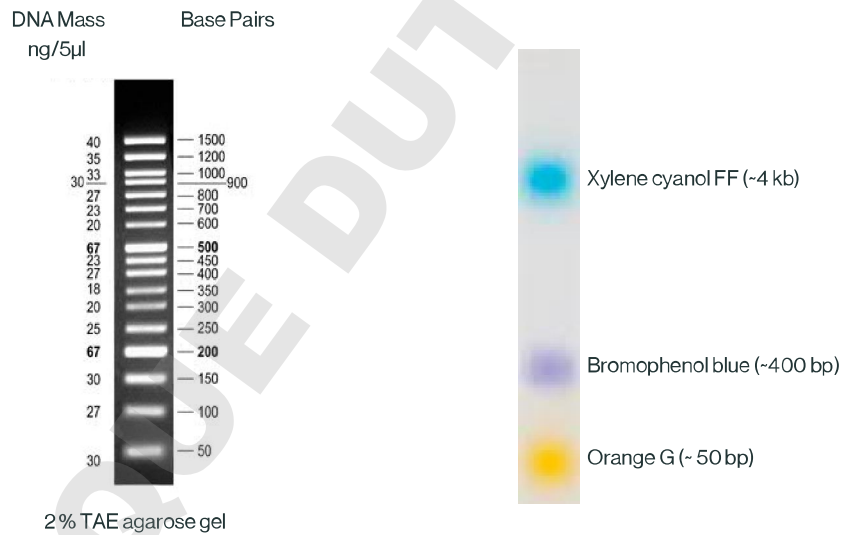
biotechrabbit™ DNA electrophoresis ladders are mixtures of exceptionally purified DNA fragments created either by PCR or by digesting proprietary plasmids with restriction enzymes. Ladders are ready to use and suitable not only for DNA sizing but also for approximate DNA quantification in gels. For convenience, 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



50 bp DNA Ladder with 6× Loading Dye

PROTOCOL

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

50 bp DNA Ladder with 6× Loading Dye

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 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
support@biotechrabbit.com
www.biotechrabbit.com

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



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