

50 bp DNA Ladder with 6× Loading Dye

LOT: See product label

EXPIRY DATE: See product label

ORDERING INFORMATION

CAT. NO.	SIZE	PACKAGE CONTENT
BR0800431	100 lanes	50 bp DNA Ladder (500 µl) DNA Loading Dye (1 ml)

COMPONENT	COMPOSITION
50 bp 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
- 50–1,500 bp range, seventeen DNA bands, 200 and 500 bp reference bands

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.

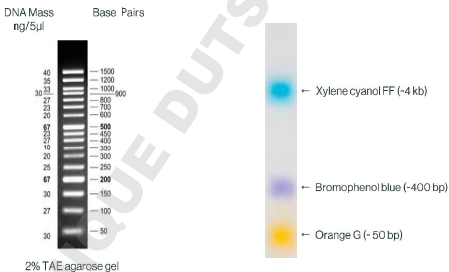
Every ready-to-use ladder is supplied with the nuclease-free Loading Dye Solution, which ensures optimal migration and quantification of your DNA probes. It includes three electrophoresis tracking dyes (xylene cyanol, bromophenol blue and orange G), allowing the process of the DNA through the gel to 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	5 μ l	Mix well
DNA Loading Dye, 6×	Typically 6 μ l	Add 1 volume of Loading Dye, 6×, to 5 volumes of DNA

50 bp 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 for product selection guides.
- Visit Applications at www.biotechrabbit.com for more nucleic acid purification and analysis products.
- Visit OEM at www.biotechrabbit.com for custom product formulations and bulk amounts.

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