

2.5 kb DNA Ladder

Code No. 3413A **Size:** 50 μg
 (for 100 lanes)
Conc.: 100 ng/μl

Supplied Reagents:
6X Loading Buffer 1 ml

Form:
10 mM Tris-HCl, pH 8.0
1 mM EDTA

Storage: 4°C
Freezing is not recommended, since freeze-thaw cycles will shear the high molecular size species in these ladders.
* 2 years from date of receipt under proper storage conditions.

Description:
This marker consists of >14 fragments between 2.5 kb and >35 kb in multiples of 2.5 kb. The 10 kb band (10.0 kb/9.8 kb 'doublet') is brighter than the other fragments and serves as a visible reference indicator. They are all double-stranded DNA fragments.

Application:
Used as a DNA molecular size marker in agarose gel electrophoresis. This product can be radioactively labeled by the kinase exchange reaction using MEGALABEL™ (Cat. #6070).*

* Not available in all geographic locations. Check for availability in your area.

6X Loading Buffer (Store at RT after used):

36% Glycerol
30 mM EDTA
0.05% Bromophenol Blue
0.035% Xylene Cyanol

Add 1/5 volume of 6X Loading Buffer with DNA solution to apply on agarose gel electrophoresis. In case precipitates generated during the storage at room temperature, dissolve in warm bath before use.

Application example:

2.5 kb DNA Ladder	5 μl (500 ng)
6X Loading Buffer	1 μl

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Run agarose gel electrophoresis using ex. 0.4% PrimeGel™ Agarose GOLD 3-40K (Cat. #5802A).

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Perform staining with EtBr, or SYBR® Green I Nucleic Acid Gel Stain (Cat. #5760A/5761A).*

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Note

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