

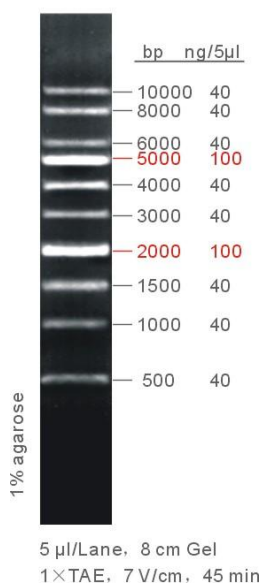
Product Information

Version 4.2, Revision 2012-04-25

1Kb DNA Ladder, Quantitative, Ready to Use

Code-Size:	M7508-100 Loads (500µl), M7508-5x100 Loads (5x500µl)
Contents:	10 DNA Fragments (bp): 500, 1000, 1500, 2000 , 3000, 4000, 5000 , 6000, 8000, and 10000
Concentration:	520ng/5µl
Band Concentration:	2000bp and 5000 Bands: 100ng/5µl; Other Bands: 40ng/5µl

1kb ladder



Description:

1Kb DNA ladder (Quantitative) is ideal for determining the size of double-stranded DNA from 500 to 1000 base pairs. The ladder consists of 10 linear double-stranded DNA fragments, chromatography-purified. The intensity of the 2000bp and 5000bp has been increased to serve as a reference for easy identification. All fragments are precisely quantified and mixed during the production. For 5µl loading, all fragments except 2000bp and 5000bp are at 40ng. The 2000bp and 5000bp fragments are at 100ng. This ladder is pre-mixed with loading dye and is ready to use.

Recommended Loading: 5µl/Lane.

Add 5µl ladder directly to each well. You may need more or less than 5µl of ladder, depending on well size and level of intensity needed to visualize the bands.

Recommended Electrophoresis Condition:

5µl/Lane, 8cm, 1% Agarose Gel, 1×TAE, 7V/cm, 45min.

Storage & Stability: 1 year at room temperature; for long term storage, please keep at -20°C.

Important Notes:

Do not heat before loading.

For quantification, adjust the concentration of the sample to equalize.

Visualize DNA by staining with ethidium bromide or with SYBR Green I.

This material is for laboratory research purpose and/or in vitro use only and is not to be used in humans or animals.