

User's Manual and Instructions

1 kb DNA Ladder

Catalog Number: Z6030002

Description

BioChain's 1 kb DNA Ladder comprises 10 DNA bands ranging in size from 0.5Kb-10Kb including linear double-stranded DNA fragment 0.5, 1, 1.5, 2, 3, 4, 5, 6, 8, 10K base pairs.

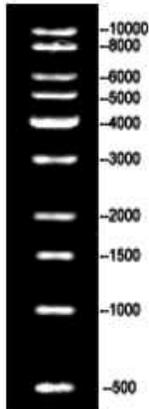


Fig. 1. Quality control of the 1 kb DNA Ladder. 0.5 µg on 0.8% TAE agarose gel stained with ethidium bromide. The size of each band is indicated on the right side of the gel.

MW	10K	8K	6K	5k	4k	3k	2k	1.5k	1k	0.5k	total
ng/ul	20	20	20	20	50	30	20	20	20	30	250

Features

- Each loading will yield a minimum of 20 ng DNA per band.
- Band 4K is more intense than other bands

Quality Control

Each lot of the ladder has been quantified with a spectrophotometer and checked on a 0.8% agarose gel to ensure the accuracy and sharpness of the bands (Fig. 1).

Content

Concentration	250 ng / 1µl
Recommended Loading	2µl
Package Size	200µl/vial
Application	for 100 applications
No. of Bands	10
Range (Kb)	0.5Kb -10Kb
Loading Dye	50 µl 6X loading dye /vial

Storage Buffer: 10 mM Tris-HCL (pH 8.0), 10mM EDTA,

Storage and shipping conditions: Store at room temperature or at 4°C for periods up to 6 months. -20 for long periods storage. One year from the date of receipt under proper storage condition. Shipping with dry ice.

Recommendations For Use

1. Vortex gently just prior to use
2. Do not heat before loading
3. Apply 0.25µg (1µl) of DNA Ladder per 1mm of agarose gel lane width.
4. Following electrophoretic separation on gel, visualize the DNA bands by ethidium bromide.