

1 Kilobase DNA Ladder

Catalog # L-201

Lot: 4

Quantity Supplied: 300 ul at 1 ul per loading (300 loadings)

Storage Buffer: 10 mM Tris-HCl, 1 mM EDTA, pH 8.0 (TE buffer)

Store at -20 °C or below.

Repeated freeze-thaw cycles have no effect on this product. Vortex gently after thawing.

Description: This ladder consists of ten blunt end DNA bands at exactly 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10 kilobases. All bands (except 5 kb) are supplied at 25 ng/ul, providing uniform staining intensity with ethidium bromide. The 5 kb band is supplied at triple the concentration, 75 ng/ul, to provide an easy marker for band identification. All bands can be resolved using 0.6% - 1.0% agarose gel electrophoresis.

Recommended Use: Make a Working Solution of the ladder in the tube labeled "Working Solution" as follows:

200 ul 5X sample loading buffer

750 ul TE buffer

50 ul ladder stock solution

A common 5X sample loading buffer is 40 mM Tris-OAc, 1 mM EDTA, pH 8.0, 0.05% bromophenol blue, 50% glycerol. Load 20 ul of the Working Solution on the gel. (This is equivalent to loading 1 ul of the Stock Solution on the gel). Bands can be visible by ethidium bromide staining. The Working Solution may be stored at 4 °C for a few months. For long term storage, store the Working Solution at -20 °C or below. Store the Stock Solution at -20 °C or below.

Tips for Best Results:

(1) For best resolution of 5 - 10 kb fragments, use 0.6% agarose. For best resolution of 1 - 5 kb fragments, use 1% agarose. For general use, use 0.8% - 1.0% agarose.

(2) Fill the gel well completely. A partially filled well may result in band smearing.

Copyright and Conditions. All rights reserved. This genetic material is protected by U.S. and international copyright law, 1996. This genetic material cannot be replicated without the written consent of Bayou Biolabs. Made in USA by Edward Hyman

BAYOU BIOLABS

www.bayoubiolabs.com, support@bayoubiolabs.com



1% agarose gel showing bands
from 1 kilobase to 10 kilobases.