AccuSize™ 2K DNA Ladder
0.1 – 2 kb, Ready-to-Load Premix

Cat # : AS-DL2K

Size:	500 µL, 100 applications
Supplied with:	1 mL 6x DNA Loading Dye

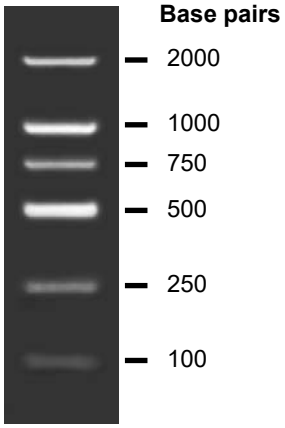
Store at 4°C.

Description:

The AccuSize 2K DNA ladder is designed for estimating the molecular weight of linear double-stranded DNA fragments on agarose gel. The ladder consists of proprietary plasmids that are digested to completion to yield 6 individual DNA fragments ranging from 100 bp to 2 kb. All fragments are of high intensity and superior resolution. The 500 bp fragment has higher intensity than other fragments and serves as a reference for easy orientation.

The ladder contains bromophenol blue as a tracking dye in ready-to-use premix format for routine DNA electrophoresis analysis.

AccuSize 2K DNA Ladder



5 µL AccuSize 2K DNA Ladder was loaded onto a 1.5% agarose gel with TAE, and was visualized with ethidium bromide.

Specification

Content: 500 µL of AccuSize 2K DNA Ladder
1 mL 6x DNA Loading Dye

1x Buffer: 10 mM Tris-HCl (pH 7.6 @ 25°C), 10 mM EDTA, 5% glycerol, and 0.01% bromophenol blue.

Storage: Stable at room temperature or 4°C. For long term storage, store at –20°C.

Recommended Procedure

- Apply 5 µL of AccuSize DNA Ladder per gel lane directly.

  The ladder is ready-to-use. It does not require to heat up before loading.
- Use the same volumes of DNA sample and the DNA ladder.
- Visualization of DNA fragments can be achieved using ethidium bromide and other intercalating dyes. It is recommended to stain the gel after electrophoresis or to include the dye during gel preparation. Adding dyes into the DNA sample prior to electrophoresis may result in aberrant DNA migration.

Product Quality Analysis

Electrophoresis analysis of the product on agarose gel clearly shows 6 distinct bands (2000, 1000, 750, 500, 250, 100 bp), which are comparable to the control lot in regard of sharpness and intensity of the fluorescent signal, as well as absence of background.

Related Products

Cat # : AS-DL5K AccuSize™ 5K DNA Ladder

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