

Product Information

Step Ladder, 50 bp 17 Fragments, 50–3000 bp

Catalog Number **S7025**
Storage Temperature –20 °C

Product Description

This product is suitable for use as electrophoresis marker for DNA. It contains 17 bands ranging from 50 bp to 3000 bp in the sizes listed below.

Fragment sizes: base pairs (bp)

3,000	500
2,000	450
1,000	400
900	350
800	300
700	250
600	200
	150
	100
	50

Supplied in solution containing 10 mM Tris-HCl, pH 7.5, with 10 mM NaCl and 1 mM EDTA.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

Store the product at –20 °C.

Product shows little decomposition in 6 months from the date of shipment when stored as directed. Storage temperature may differ from shipping temperature. This will not alter the performance of the product if stored at the recommended temperature upon arrival.

Procedure

The DNA Ladder was prepared for electrophoresis as follows:

10 µl of Step Ladder
2.5 µl of Gel Loading Solution
(Catalog Number G2526)

12.5 µl of the above solution were loaded on a 2.5% agarose/TAB minigel (prepared with Catalog Numbers A9539 and T6400). The gel was run at 70–90 Volts in 1× TBE until the dye front migrated approximately two-thirds of the way down the gel. **Do not run the gel longer or the 50 bp band may run off the gel.** After staining 15–20 minutes in 0.5 µg/ml ethidium bromide (diluted from Catalog Number E1510) in water, the gel was destained in water. All bands were clearly resolved and the pattern was consistent with the indicated DNA sizes.

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