

123 BP DNA LADDER

ProductInformation

Product No. D5042

Lot No. 060K0918

Storage: 0 to -20°C

PRODUCT SUMMARY

Storage buffer: 10 mM Tris-HCl. pH 7.5, 50 mM NaCl and 0.1 mM EDTA

Concentration: 1 µg/µl

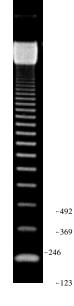
Suitability Assay and Results

123 bp ladder was prepared for electrophoresis as follows:

- 0.5-2.0 µg 123 BP Ladder
- 2.5 μl Gel Loading Solution(G 2526) (0.05% w/v bromophenol blue, 40% w/v sucrose, 0.1 M EDTA, pH 8.0)
 Q.S. to 10 μl with Storage Buffer

The above solution was heated to 65° C for 5 minutes and loaded on 1.5% agarose(A9539) submarine type minigel. The samples were run in 1X TAE(40 mM Trisacetate, 1 mM EDTA, pH approx. 8.3) with appropriate DNA fragment size standards at 80 volts for 2 hours. After staining 15-20 minutes in 10 µg/ml ethidium bromide at least 24 bands(123-2952 bp were clearly resolved and the pattern was consistent with the indicated fragment sizes.

FRAGMENT SIZES: base pairs (bp)



123 to 4182 bp in increments of 123 bp

Notes:

1. Background can be reduced by destaining 30-45 minutes in 1X TAE.

- 2. The bromophenol blue tracking dye will migrate just ahead of the 492 bp fragment.
- 3. The 123 bp [monomer] will stain noticeably brighter than the other bands.

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