

Product Information

123 BP DNA LADDER

Product No. **D5042**

Lot No. 050K1479

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 Tris-acetate, 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.

Please see reverse side of the invoice or packing slip.