ProductInformation

123 BP DNA LADDER

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 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.

6/00

Please see reverse side of the invoice or packing slip.