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Product Information

pUC 18 Hae III Digest

Product No. **D6293**

Lot No. 034K90351

Product Summary

Storage: Below 0 °C

Storage buffer: 10 mM Tris-HCl, pH 8.0, 1 mM EDTA.

Ratio A_{260}/A_{280} : 1.9

Concentration: 279 µg/ml

Suitability: Suitable for use as a molecular weight marker for agarose or acrylamide gel electrophoresis.

Suitability Assay

pUC18 Hae III digest was prepared for electrophoresis as follows:

0.15-0.3	µg pUC18 Hae III Digest
2	µl gel loading solution (G 2526) (0.05% w/v bromophenol blue, 40% w/v sucrose, 0.10 M EDTA, pH 8.0)

Q.S. to 7 µl total volume with sterile water.

0.2-0.3 µg were loaded on a 10-20% acrylamide gradient gel. Gel electrophoresis was performed in 1X TBE (0.089 M Tris-borate, pH 8.3, 0.002 M EDTA). The gel was run with appropriate DNA fragment size standards at 70 volts until the tracking dye was at the bottom of the gel.

Suitability Assay(continued)

After staining 15-20 minutes in 1 µg/ml ethidium bromide, 8 bands (80-587 bp) were clearly resolved and the pattern was consistent with the expected fragment sizes.

Fragment Sizes: base pairs

587
458
434
298
267
257
174
102
80
18
11

Comments

Ethidium bromide background can be reduced by destaining 30-45 minutes in 1X electrophoresis buffer.

4/04