

ProductInformation

LAMBDA DNA BSTE II DIGEST

Product No D 9793

Lot 49H9085 Store at less than 0°C

0.3 volumes

Product Description Suitable for use as a molecular weight marker for agarose or acrylamide gel electrophoresis.	Fragment Sizes (bp)	
	8,454	2,323
A ₂₆₀ /A ₂₈₀ Ratio: 1.9	7,242	1,929
Concentration: 428 µg/ml	6,369	1,371
Ethidium bromide background can be reduced by destaining 30-45 minutes in 1X electrophoresis buffer.	5,686	1,264
	4,822	702
<u>Storage Buffer</u> 10 mM Tris-HCl, pH 8.0, 0.1 mM EDTA	4,324	224
Suitability Assay	3,675	117
Lambda BstE II Digest was prepared for electrophoresis as follows:		
10 μg Lambda BstEll Digest	References	

 Daniels, D.L., *et al.*, Appendix II<u>: Complete</u> <u>Annotated Lambda Sequence in Lambda-II</u>, Cold Spring Harbor Laboratory, N.Y. (1983) eds.

The above solution was heated to 65° C for 5 minutes and quick cooled on ice. 0.15-0.30 µg were loaded on a 0.7% agarose (Product No. A 9539) submarine-type minigel. Agarose gel electrophoresis was performed in 1X TBE (0.89 M Tris borate, pH approx. 8.3, containing 2 mM EDTA). The gel was run with appropriate DNA fragment size standards at 50-80 volts until the tracking dye reached the bottom of the gel. After staining 15-20 minutes in 1 µg/ml ethidium bromide, 12 of 14 bands (702-8,454 bp) were clearly resolved and the pattern was consistent with the indicated fragment sizes.

pH 8.0)

Gel loading solution (Product No.

G 2526, 0.05% (w/v) bromophenol

blue, 40% (w/v) sucrose, 0.1 M EDTA

4/99

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