

λ /Hind III digest – Φ X174/Hae III digest

Code No. DNA-017

Lot No. *****

Size 25 μ g

Product : A Hind III digest of λ cI 857 Sam 7 DNA was mixed with a Hae III digest of Φ X174 am 3 cs70 RFI DNA and dissolved in 10mM Tris-HCl and 1mM EDTA.

Concentration : *** μ g/ μ L

Volume : *** μ L/tube(25 μ g/tube)

Fragment sizes :

fragment No.	Number of Base Pairs(bps)	Molecular weight ($\times 10^5$ daltons)			
1	23,130	152.66	11	564	3.72
2	9,416	62.15	12	310	2.05
3	6,557	43.28	13	281	1.85
4	4,361	28.78	14	271	1.79
5	2,322	15.33	15	234	1.54
6	2,027	13.38	16	194	1.28
7	1,353	8.93	17	125	0.83
8	1,078	7.11	18	118	0.78
9	872	5.76	19	72	0.48
10	603	3.98			

Handling recommendations : 1. Centrifuge tube before opening to improve recovery of content.
 2. Heat at 60°C~65°C for a short time before applying sample to gel.
 This treatment breaks up aggregates resulting from the λ cohesive ends.

Note:

The association of the cohesive ends (the cos sites of λ DNA) during storage may reduce intensity of the certain band on electrophoresis. In this case, add 1/5 amount (V/V) of the attached 6xLoading Dye and heat at 65°C for 5 minutes before use.

