

Data Sheet

Hinf I



Source: An *E. coli* strain that carries the cloned *Hinf I* gene from *Haemophilus influenzae* Rf

	EN-117S	2,500 units	10 u/μl
	EN-117L	12,500 units	10 u/μl

NB:
BSA is already included in the Buffer solution!

Buffer supplied: 10x B3 (incl. 10x BSA).

Substrate for unit definition: λ DNA (148 sites).

Reaction conditions:

100 mM NaCl, 50 mM Tris-HCl (pH 7.9), 10 mM MgCl₂, 1 mM dithiothreitol, 100 μg/ml BSA.
 Digestion is performed in 5 minutes at **37°C**.

Storage buffer:

50 mM KCl, 10 mM Tris-HCl (pH 7.4), 0.1 mM EDTA, 1 mM dithiothreitol, 200 μg/ml BSA and 50% glycerol.
 Store at -20°C.

Ligation and recutting:

After 10-fold overdigestion with *Hinf I*, >90% of the DNA fragments can be ligated and recut with this enzyme.

Methylation sensitivity:

dam methylation: Not sensitive

dcm methylation: Not sensitive

CpG methylation: Blocked by some combinations of overlapping

Heat inactivation: 80°C for 20 minutes.