



Data Sheet (28.11.2007)

Sla I

5' ...CTCGAG...3'
3' ...GAGCTC...5'

(*Xho* I)

Source: *Streptomyces lavendulae*

Cat.-No.	Size	Conc.
mi-E0134S	5,000 units	10 u/μl
mi-E0134L	25,000 units	10 u/μl

Buffer supplied: 10x B4 (incl. BSA)

BSA is now already included into the buffer without any loss of performance!

Substrate for unit definition:

λ DNA, *Hind* III digest (1 site)

Reaction conditions:

150 mM NaCl, 10 mM Tris-HCl (pH 7.9), 10 mM MgCl₂, dithiothreitol, 100 μg/ml BSA.

Incubate at **37 °C**.

Storage buffer:

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

Store at -20 °C. Avoid warming to 0 °C or higher.

Under these storage conditions, a guarantee of 12 months after delivery is given.

Ligation and recutting:

After 10-fold overdigestion with *Sla* I, > 98 % of the DNA fragments can be ligated and recut with this enzyme.

Heat inactivation: 65 °C for 20 minutes