Data Sheet (28.11.2007)

Hpa I

5′...GTTAAC...3′
3′...CAATTG...5′

Source: An *E. coli* strain that carries the cloned *Hpa* I gene from *Haemophilus parainfluenzae*

Cat.-No.	Size	Conc.
mi-E0118S	750 units	10 u/µl
mi-E0118L	3,750 units	10 u/µl

Buffer supplied: 10x B5 (incl. BSA)
BSA is now already included into the buffer without any loss of performance!

Substrate for unit definition: λ DNA (14 sites)

Reaction conditions:
50 mM potassium acetate, 20 mM Tris-acetate (pH 7.9), 10 mM magnesium acetate, 1 mM dithio-threitol, 100 µg/ml BSA.
Incubate at **37 °C**.

Storage buffer:
50 mM KCl, 10 mM Tris-HCl (pH 7.4), 0.1 mM EDTA, 1 mM dithiothreitol, 500 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 *Hpa* I, > 95 % of the DNA fragments can be ligated and recut with this enzyme.

Star activity:
Conditions of high enzyme conzentration or glycerol concentration > 5 % may result in star activity.

Heat inactivation: No

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