



Data Sheet (28.11.2007)

Nhe I

5' ...GCTAGC...3'
3' ...CGATCG...5'

Source: *Neisseria mucosa heidelbergensis* (ATCC 25999)

Cat.-No.	Size	Conc.
mi-E0146S	550 units	10 u/μl
mi-E0146L	2,750 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 (*Hind* III digest)

Reaction conditions:

50 mM potassium acetate, 20 mM Tris-acetate (pH 7.9), 10 mM magnesium acetate, 1 mM dithiothreitol, 100 μg/ml BSA.

Incubate at **37 °C**.

Storage buffer:

50 mM KCl, 10 mM Tris-HCl (pH 7.5), 0.1 mM EDTA, 1 mM 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 100-fold overdigestion with *Nhe* I, > 98 % of the DNA fragments can be ligated and recut.

Note:

Activity inhibited by salt concentrations > 100mM.

Cleaves to leave a 5' CTAG extension which can be efficiently ligated to DNA fragments generated by *Avr* II, *Spe* I, or *Xba* I.

Star activity:

Large excess of the enzyme may result in the appearance of star activity.

Heat inactivation: 65 °C for 20 minutes