

Data Sheet (20.02.2008)

Hind III 5' ...**AAGCTT**...3'
3' ...**TTCGAA**...5'

Source: *Haemophilus influenzae* Rd.

Cat.-No.	Size	Conc.
mi-E0116S	7,500 units	10 u/μl
mi-E0116L	37,500 units	10 u/μl

New unit quantity!

Buffer supplied: 10x B2 (incl. BSA)

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

Substrate for unit definition: λ DNA (7 sites)

Reaction conditions:

50 mM NaCl, 10 mM Tris-HCl (pH 7.9), 10 mM MgCl₂, 1 mM 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, 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 100-fold overdigestion with *Hind* III, > 98 % of the DNA fragments can be ligated and recut with this enzyme.

Star activity:

Star activity may be observed in the presence of Mn²⁺.

Heat inactivation: 65 °C for 20 minutes