

Data Sheet (28.11.2007)

BshF I

5' ...GGCC...3'
3' ...CCGG...5'

(Hae III)

Source: *Bacillus sphaericus*

Cat.-No.	Size	Conc.
mi-E0110S	7,000 units	10 u/μl
mi-E0110L	35,000 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 (149 sites)

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 7.4), 0.1 mM EDTA, 1 mM dithiothreitol, 200 μg/ml BSA and 50 % glycerol.

Ligation and recutting:

After 10-fold overdigestion with *BshF I*, >95 % of the DNA fragments can be ligated and recut with this enzyme.

Heat inactivation: 80 °C for 20 minutes.

Note: Blocked by overlapping *dcm* methylation