

Data Sheet (28.11.2007)

BseB I

(BstN I)

5' ...CCWGG...3'
3' ...GGWCC...5'

Source: *Bacillus staerothermophilus*

Cat.-No.	Size	Conc.
mi-E0108S	4,500 units	10 u/μl
mi-E0108L	22,500 units	10 u/μl

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 (70 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 60°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.

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 BseB I, <50% of the DNA fragments can be ligated and recut with this enzyme.

Star activity:

Low salt concentration or large excess of the enzyme results in the appearance of star activity.

Note:

BseB I-cut DNA is difficult to ligate with T4 DNA Ligase. Ligation is enhanced in the presence of 15% PEG 4000.

Heat inactivation: No