



Data Sheet (28.11.2007)

Bgl I

5' ...GCCNNNNNGGC...3'
3' ...CGGNNNNNCCG...5'

Source: *Bacillus globigii* lacking Bgl II

Cat.-No.	Size	Conc.
mi-E0105S	2,000 units	10 u/μl
mi-E0105L	10,000 units	10 u/μl

Buffer supplied: 10x Bgl I (incl. BSA)

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

Substrate for unit definition: λ DNA (29 sites)

Reaction conditions:

50 mM NaCl, 100 mM Tris-HCl (pH 7.9), 5 mM MgCl₂, 0.025 % Triton X-100, 100 μg/ml BSA.

Incubate at **37 °C**.

Storage buffer:

200 mM NaCl, 20 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 10-fold overdigestion with Bgl I, >95 % of the DNA fragments can be ligated and recut with this enzyme.

Heat inactivation: 65 °C for 20 minutes