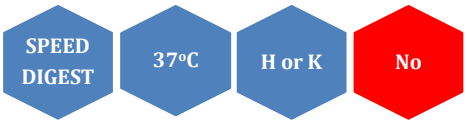
Bgl II



5’ ···A▼GATCT···3’
3’ ···TCTAG▲A···5’

BglII is a restriction enzyme purified from *Bacillus globigii* lacking *Bgl*I.

Catalogue No	*106-1, 2000 U* *106-2, 3x2000 U*
Concentration	*10-12u/µl and 40-60u/µl**

**Add an H to cat.# to order the high concentration*

Reagents supplied: 10x H and 10x K buffer

Unit substrate: Lambda DNA.

Unit calculation assay conditions: 100 mM NaCl, 50 mM Tris-HCl (pH 7.9 @ 25°C), 10 mM $MgCl_2$, 1 mM dithiothreitol, 100 µg/ml BSA. Incubate at 37°C.

Absence of contaminants: 150 units of *Bgl*II do not produce any unspecific cleavage products after 16 hrs incubation with 1 µg of λ DNA at 37°C. After 50-fold overdigestion with *Bgl*II, greater than 95% of the DNA fragments can be ligated and recut with this enzyme.

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.

Heat inactivation: No.

Methylation Sensitivity:
dam methylation: Not sensitive
dcm methylation: Not sensitive
CpG methylation: Not sensitive

Percent Activity in MINOTECH Buffers

L	M	**H**	SH	A	**K**
10	75	**100**	75-100	10	**100**

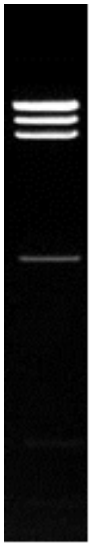
General reaction mixture:

10U BglII	1µl
10x H or K buffer *	2µl
DNA substrate	<1µg
Sterile ultrapure water	Up to 20 µl
Incubate for 15 min at 37°C	

**In the case of H buffer we recommend the addition of BSA to a final concentration of 100 µg/ml.*

Frequency of Cutting

λ	Ad-2	Φx174	pUC18	M13mp18	pBR322
6	11	0	0	1	0



Lambda DNA 0.7 % agarose

MINOTECH BIOTECHNOLOGY