



Data Sheet (28.11.2007)

Bcl I

5' ...TGATCA...3'
3' ...ACTAGT...5'

Source: *Bacillus caldolyticus*

Cat.-No.	Size	Conc.
mi-E0104S	2,500 units	10 u/μl
mi-E0104L	12,500 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 *dam*⁻ (8 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 **50 °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 *Bcl* I, >95 % of the DNA fragments can be ligated and recut with this enzyme.

Star activity:

Large excess of the enzyme results in the appearance of star activity.

Heat inactivation: No

Note: Blocked by *dam* methylation