

Data Sheet (28.11.2007)

# **BseC I**

5' ...**ATCGAT**...3'  
3' ...**TAGCTA**...5'

## **(Cla I)**

Source: *Bacillus stearothermophilus*

Cat.-No.	Size	Conc.
mi-E0109S	3,500 units	10 u/μl
mi-E0109L	17,500 units	10 u/μl

**Buffer supplied: 10x B3 (incl. BSA)**

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

**Substrate for unit definition:** λ DNA (15 sites)

**Reaction conditions:**

100 mM NaCl, 50 mM Tris-HCl (pH 7.9), 10 mM MgCl<sub>2</sub>,  
1 mM dithiothreitol, 100 μg/ml BSA.

Incubate at **55 °C**.

**Storage buffer:**

100 mM KCl, 10 mM Tris-HCl (pH 7.9), 0.1 mM EDTA, 1  
mM dithiothreitol, 0.15 % Triton X-100, 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 30-fold overdigestion with *BseC I*, >95 % of the  
DNA fragments can be ligated and recut with this  
enzyme.

**Heat inactivation:** No

Note: Blocked by overlapping *dam* methylation