



Data Sheet (18.06.2010)

# BseA I

(BspM II)

5' ...TCCGGA...3'  
3' ...AGGCCT...5'

Source: *Bacillus stearothermophilus*

Cat.-No.	Size	Conc.
mi-E0107S	650 units	10 u/μl
mi-E0107L	3,250 units	10 u/μl

**Buffer supplied: 10x BseA I (incl. BSA)**

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

**Substrate for unit definition:** λ DNA (24 sites)

**Reaction conditions:**

100 mM NaCl, 10 mM Tris-HCl (pH 8.0), 5 mM MgCl<sub>2</sub>, 1 mM dithiothreitol, 0.02% Triton X-100, 100 μg/ml BSA. Incubate at **55°C**.

**Storage buffer:**

50 mM KCl, 10 mM Tris-HCl (pH 7.4), 0.1 mM EDTA, 1 mM dithiothreitol, 500 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 40-fold overdigestion with BseA I, >98% of the DNA fragments can be ligated and recut with this enzyme.

**Heat inactivation:** No

Note: Impaired by overlapping *dcm* methylation. Blocked by overlapping *dam* methylation.