



Data Sheet (18.06.2010)

**BsiS I**  
(Hpa II)

5' ...**CCGG**...3'  
3' ...**GGCC**...5'

Source: *Bacillus stearothermophilus*

Cat.-No.	Size	Conc.
mi-E0111S	2,200 units	10 u/μl
mi-E0111L	11,000 units	10 u/μl

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

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

**Substrate for unit definition:** λ DNA (328 sites)

**Reaction conditions:**

66 mM potassium acetate, 33 mM Tris-acetate (pH 7.9), 10 mM magnesium acetate, 0.5 mM dithiothreitol, 0.1% 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, 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 BsiS I, >95% of the DNA fragments can be ligated and recut with this enzyme.

**Heat inactivation:** No

Note: Blocked by overlapping *dcm* methylation