

Data Sheet (18.06.2010)

# BssA I

(Cfr10 I)

5' ...RCCGGY...3'  
3' ...YGGCCR...5'

Source: *Bacillus* species

Cat.-No..	Size	Conc.
mi-E0112S	250 units	10 u/μl
mi-E0112L	1,250 units	10 u/μl

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

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

**Substrate for unit definition:** λ DNA (61 sites)

**Reaction conditions:**

100 mM KCl, 20 mM Tris-HCl (pH 8.5), 3 mM MgCl<sub>2</sub>, 0.04% Triton X-100, 100 μg/ml BSA.

Incubate at **65°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 30-fold overdigestion with BssA I, >95% of the DNA fragments can be ligated and recut with this enzyme.

**Star activity:**

Low salt concentration or large excess of the enzyme results in the appearance of star activity.

**Heat inactivation:** No