



Data Sheet (18.06.2010)

CspA I

(Age I)

5' ...ACCGGT...3'
3' ...TGGCCA...5'

Source: *Corynebacterium* species

Cat.-No.	Size	Conc.
mi-E0113S	150 units	10 u/μl
mi-E0113L	750 units	10 u/μl

Buffer supplied: 10x CspA I (incl. BSA)

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

Substrate for unit definition: λ DNA (13 sites)

Reaction conditions:

10 mM Bis Tris Propane-HCl (pH 7.0), 10 mM MgCl₂, 1 mM dithiothreitol, 100 μg/ml BSA.

Incubate at **37°C**.

Storage buffer:

100 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 CspA I, >90% of the DNA fragments can be ligated and recut with this enzyme.

Heat inactivation: 65°C for 20 minutes

Note: Blocked by overlapping *dcm* methylation