



Data Sheet (18.06.2010)

**Xba I**      5' ...TCTAGA...3'  
                 3' ...AGATCT...5'

Source: *Xanthomonas badrii*

Cat.-No.	Size	Conc.
mi-E0143S	3,500 units	10 u/μl
mi-E0143L	17,500 units	10 u/μl

**Buffer supplied: 10x B2 (incl. BSA)**

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

**Substrate for unit definition:**

λ DNA *dam*<sup>-</sup>, *Hind* III digest (1 site)

**Reaction conditions:**

50 mM NaCl, 10 mM Tris-HCl (pH 7.4), 10 mM MgCl<sub>2</sub>, 1 mM dithiothreitol, 100 μg/ml BSA.

Incubate at **37 °C**.

**Storage buffer:**

50 mM NaCl, 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 50-fold overdigestion with *Xba* I, > 98 % of the DNA fragments can be ligated and recut with this enzyme.

**Star activity:**

Conditions of low ionic strength, high enzyme concentration or glycerol concentration > 5 % may result in star activity.

**Heat inactivation:** 65 °C for 20 minutes

**Note:** Blocked by overlapping *dam* methylation