



Data Sheet (18.06.2010)

# Sty I

5' ...CCWWGG...3'  
3' ...GGWWCC...5'

Source: *E.coli* WA921/pST27 hsd+

| Cat.-No.  | Size         | Conc.   |
|-----------|--------------|---------|
| mi-E0141S | 6,000 units  | 10 u/μl |
| mi-E0141L | 30,000 units | 10 u/μl |

**Buffer supplied: 10x B3 (incl. BSA)**

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

**Substrate for unit definition:** λ DNA (10 sites)

**Reaction conditions:**

100 mM NaCl, 50 mM Tris-HCl (pH 7.9), 10 mM MgCl<sub>2</sub>, 1 mM dithiothreitol, 100 μg/ml BSA.

Incubate at **37°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 Sty I, >98% of the DNA fragments can be ligated and recut with this enzyme.

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