

Xba I



Source: *Xanthomonas badrii*.

| Cat.-No. | Size | Conc. |
|----------|---------------|---------|
| EN-143 | 100,000 units | 10 u/μl |

Buffer supplied: 10x B2 and 10x BSA.

Substrate for unit definition:

λ DNA *dam*⁻, *Hind* III digest (1 site).

Reaction conditions:

50 mM NaCl, 10 mM Tris-HCl (pH 7.4), 10 mM MgCl₂, 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.

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.