Data sheet

*Eco*R V

5’…GATATC…3’
3’…CTATAG…5’

Source: *Escherichia coli,* J62plg 74.

Cat.-No.	Size	Conc.
EN-115	100,000 units	10 u/µl

Buffer supplied: 10x B2 and 10x BSA.

Substrate for unit definition: λ DNA (21 sites).

Reaction conditions:
50 mM NaCl, 10 mM Tris-HCl (pH 7.9), 10 mM $MgCl_2$, 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.

Ligation and recutting:
After 20-fold overdigestion with *Eco*R V, >95% of the DNA fragments can be ligated and recut with this enzyme.

Star activity:
Conditions of low ionic strength, high enzyme concentration, glycerol concentration >5%, or pH >8.0 may result in star activity.

Heat inactivation: 80°C for 20 minutes.

LAROVA GmbH ● Rheinstr. 17A ● 14513 Teltow, Germany ● Tel.:+49-3328-39560● Fax:+49-3328-395639
www.LAROVA.com