

## Pce I

## **Product Information** Cat ET-1144RE **Recognition Sequence** AGG ↑ CCT TCC↓GGA **Unit Definition** One unit of the enzyme is the amount required to hydrolyze 1 µg of Lambda DNA in 1 hour at 50°C in a total reaction volume of 50 µl. **Reaction Temperature** 37°C **Form** Liquid **Storage Buffer** 10 mM Tris-HCl (pH 7.5); 100 mM NaCl; 0.1 mM EDTA; 7 mM 2-mercaptoethanol; 100 µg/ml BSA; 50% glycerol Ligation After 20-fold overdigestion with enzyme 70% of the DNA fragments can be ligated and recut Source Planococcus citreus Assayed on Lambda DNA Working buffer Y (33 mM Tris-acetate (pH 7.9 at 25°C); 10 mM magnesium acetate; 66 mM potassium acetate; 1 mM

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DTT.)

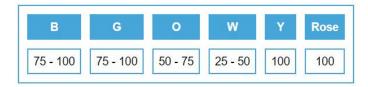
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## Non-specific hydrolisis

No nonspecific activity was detected after incubation of 1  $\mu$ g of Lambda DNA with 40 u.a. of enzyme for 16 hours at 50°C.

Size

1000U; 5000U

Concentration, u.a./ml

20000

Inactivation

20min Under 65°C

**Reagents Supplied** 

10 X SE-buffer Y.

Storage

-20°C

**Notes** 

At 37°C activity is 50-75% from maximum

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