



Hpa II

Recognition Sequence:

E162

2,500 units 10,000 u/ml

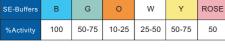
GGC↑C **2** Lot:

Exp:

IX 3L-Duilei D. IIIC

Store at -20C

CTCGG



37°C

For more details

scen the code







CERTIFICATE OF ANALYSIS

<u>Source</u>: An *E.coli* strain that carries the cloned gene Hpa II from *Haemophilus parainfluenzae*.

Supplied in:

10 mM Tris-HCl (pH 7.5), 50 mM NaCl, 0.1 mM EDTA, 100 µg/ml BSA, 1 mM DTT, 50% glycerol.

Reaction Conditions:

1x SE-Buffer B. Incubate at 37° C.

1X SE-Buffer B (pH 7.6 @ 25° C): 10 mM Tris-HCl 10 mM MgCl₂

10 mM Tris-HCl 10 mM Mgi 1 mM DTT

Heat Inactivation:

Enzyme is inactivated by incubation at 80 °C for 20 minutes.

<u>Unit Definition</u>: One unit is defined as the amount of enzyme required to hydrolyze 1 μ g of λ DNA in 1 hour at 37° C in a total reaction volume of 50 μ l.

Quality Control Assays

<u>Ligation</u>: After 10-fold overdigestion with Hpa II, approximately 95% of the DNA fragments can be ligated with T4 DNA Ligase and recut.

16-Hour Incubation: A 50 µl reaction containing in 1 µg of DNA and 10 Units of enzyme incubated for 16 hours resulted in the same pattern of DNA bands as a reaction incubated for 1 hour.

Oligonucleotide Assay: No detectable degradation of a single-stranded and double-stranded oligonucleotide was observed after incubation with 10 units of restriction endonuclease for 3 hours.

Enzyme Properties:

When using a buffer other than the optimal (Supplied) SE-Buffer, it may be necessary to add more enzymes to achieve complete digestion.

Reagents Supplied with Enzyme: 10X SF-Buffer B.

Blocked by CG methylation.