



Sal I

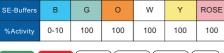
Recognition Sequence:

E915m XS

800 units 20.000 u/ml GITCGAC CAGCTTG

Lot: Exp:

Store at -20C



For more details

scen the code













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CERTIFICATE OF ANALYSIS

Source: An E.coli strain that carries the cloned Sal I gene from Streptomyces albus.

Supplied in:

10 mM Tris-HCl (pH 7.5), 50 mM KCl, 0.1 mM EDTA, 200 µg/ml BSA, 1 mM DTT, 50% glycerol.

Reaction Conditions:

1X SE-Buffer Y, BSA (100 µg/ml). Incubate at 37°C.

1X SE-Buffer Y (pH 7.9 @ 25° C):

33 mM Tris-Ac 66 mM KAc 1 mM DTT 10 mM MqAc

Heat Inactivation:

Enzyme is inactivated by incubation at 65°C for 20 minutes.

Unit Definition: One unit is defined as the amount of enzyme required to digest 1 µg of Lambda DNA/Hind III in 1 hour at 37°C in a total reaction volume of 50 µl.

Quality Control Assays

Ligation: After 20-fold overdigestion with Sal I, more than 95% of the DNA fragments can be ligated with T4 DNA Ligase and recut.

16-Hour Incubation: A 50 µl reaction containing 1 µg of DNA and 40 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 20 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 SE Buffer Y, BSA (10mg/ml).