Restriction Endonuclease

MspA1 I

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ecognition		
equence:		
S	E191 500 units 5,000 u/ml	

CMGLCKG GKCTGMC Lot:

SibEnzyme®

Ph/F+7(383)333-6853

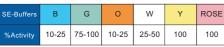
info@sibenzyme.com

www.sibenzvme.com

Exp: Store at -20°C

For more details

scen the code



BSA

CERTIFICATE OF ANALYSIS

Source: Moraxella species A1.

Supplied in: 20 mM Tris-HCl (pH 7.6), 300 mM NaCl, 0,1 mM EDTA, 7 mM 2-mercaptoethanol, 10 mM MgCl₂, 200 µg/ml BSA, 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 10 mM MqAc 1 mM DTT

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 in 1 hour at 37°C in a total reaction volume of 50 µl.

Quality Control Assays

Ligation: After 10-fold overdigestion with MspA1 I, 90% of the DNA fragments can be ligated and recut.

16-Hour Incubation: A 50 µl reaction containing 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 5 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).

Storage at -70° C is recommended for periods longer than 30 days.