



For research use only

ISO9001

Nhe I

| Product | Quantity | Cat. No. | Remarks |
|---------|------------|----------|------------|
| Nhe I | 1,000 unit | EBR-1101 | 10 unit/μl |

Recognition site

5' ...G|C T A G C... 3'
3' ...C G A T C|G... 5'

Source

Neisseria mucosa heidelbergensis.

Reaction Conditions

Buffer 2 + BSA : 10 mM Tris-HCl (pH 7.9), 50 mM NaCl, 10 mM MgCl₂, 1 mM DTT.

Supplement with 100 μg/ml BSA. Incubate at 37°C.

Concentration & Storage Condition

Store at -20°C. 10 unit/μl in 10 mM Tris-HCl (pH 7.4), 250 mM NaCl, 1 mM DTT, 0.1 mM EDTA, 200 μg/ml BSA, 50% (v/v) glycerol, 0.15% Triton X-100.

Heat Inactivation Condition

65°C for 20min.

Enzyme dilution

Dilute with Storage Buffer.

QC Tests

Activity, ligation and recutting, exo and endonuclease activity test, SDS-PAGE purity, performance tests.

Methylase Sensitivity

Blocked by some combinations of overlapping CpG methylation.

Note

Inhibited by > 100 mM salt.

| | | | | |
|--------|----------|--------------|--------------|------------|
| Buf2 | 37°C | 65°C | CpG | |
| BUFFER | REACTION | INACTIVATION | METHYL BLOCK | BLUE/WHITE |

| | | | | |
|----------|-----|-----|----|-----|
| Buffer | 1 | 2 | 3 | 4 |
| Activity | 100 | 100 | 10 | 100 |



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| Activity | 100 | 100 | 10 | 100 |