



For research use only

ISO9001

Mwo I

Product	Quantity	Cat. No.	Remarks
Mwo I	250 unit	EBR-1091	5 unit/μl

Recognition site

5' ...GC NN NNN NN GC... 3'
 3' ...CG NN NNN NN CG... 5'

Source

Methanobacterium wolfeii.

Reaction Conditions

Buffer 3. 50mM Tris-HCl (pH 7.9), 100mM NaCl, 10mM MgCl₂, 1mM DTT.

Incubate at 60°C.

Concentration & Storage Condition

Store at -20°C. 5 unit/μl in 10 mM Tris-HCl (pH 7.4), 300 mM NaCl, 1 mM DTT, 0.1 mM EDTA,
 200 μg/ml BSA, 50% (v/v) glycerol.

Heat Inactivation Condition

No.

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

Incubate at 37°C results in 50% activity.

Buf3	60°C		CpG	
BUFFER	REACTION	INACTIVATION	METHYL BLOCK	BLUE/WHITE

Buffer	1	2	3	4
Activity	10	75	100	75



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