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MspI

Store at -20°C

Cat. No.	Description	Concentration	Quantity
E072	MspI	20000 U/ml	10000 U (500 µl)

Product Description

An MspI enzyme recognizes and cuts the sequence C[^]ACGG. For restriction enzyme digestion of double-stranded DNA.

Recognition Sequence

5' ...C[▽]C G G ... 3'
3' ...G G C[▲]C ... 5'

Methylation Sensitivity

dam methylation: Not sensitive
dcm methylation: Not sensitive
CpG Methylation: Not sensitive

Kit Components

Part No.	Product Components	Quantity
E072	MspI (20000 U/ml)	500 µl
E204	10 X Universal Restriction Enzyme Reaction Buffer	2 x 1.25 ml

Product Source

An *E. coli* strain that carries the cloned and modified MspI gene from *Moraxella* species (ATCC 49670).

Enzyme Storage Buffer

0.1 mM EDTA, 50% Glycerol, 1 mM DTT, 10 mM Tris-HCl, 50 mM KCl, 200 µg/ml BSA, pH 7.4 @ 25°C.

Enzyme Unit Definition

One unit is defined as the amount of restriction enzyme needed to digest 1 µg of λ DNA in 1 hour at 37°C in a reaction volume of 50 µl.

Storage Conditions

Store all components at -20°C. Avoid repeated freeze-thaw cycles of all components to retain maximum performance. All components are stable for 1 year from the date of shipping when stored and handled properly.

Reaction Conditions

1X Universal Restriction Enzyme Reaction Buffer (Cat.No. E204). Incubate at 37°C.

Reaction Buffer Compatibility

Buffer 1: 75%, Buffer 2: 100%, Buffer 3: 50%, **Universal Buffer: 100%**.

Heat Inactivation

No.

For laboratory research only. Not for clinical applications.
For technical questions, please email us at technical@abmgood.com
or visit our website at www.abmGood.com