



Applied Biological Materials Inc

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PstI

Store at -20°C

Cat. No.	Description	Concentration	Quantity
E065	PstI	20000 U/ml	20000 U (1 ml)

Product Description

The PstI enzyme recognizes and cuts the sequence CTGCA[^]G. For restriction enzyme digestion of double-stranded DNA.

Recognition Sequence

5'...CTGCAG...3'
3'...GACGTC...5'

Methylation Sensitivity

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

Kit Components

Part No.	Product Components	Quantity
E065	PstI (20000 U/ml)	1 ml
E204	10X Universal Restriction Enzyme Reaction Buffer	2 x 1.25 ml

Product Source

An *E. coli* strain that carries the cloned and modified PstI gene from *Providencia stuartii* 164 (ATCC 49762).

Enzyme Storage Buffer

10mM Tris pH (7.5), 250mM NaCl, 1mM DTT, 0.1mM EDTA, and 50% (v/v) Glycerol.

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. E204) and incubate at 37°C.

Reaction Buffer Compatibility

Buffer 1: 10%, Buffer 2: 75%, Buffer 3: 50%, **Universal Buffer: 100%**

Heat Inactivation

No.