



For research use only

ISO9001

## Dpn I

Product	Quantity	Cat. No.	Remarks
Dpn I	500 unit	EBR-1045	10 unit/ $\mu$ l

### Recognition site



### Source

*Diplococcus pneumoniae* G41.

### Reaction Conditions

Buffer 4. 20 mM Tris-acetate (pH 7.9), 50 mM potassium acetate, 10 mM magnesium acetate, 1 mM DTT. Supplement with 100  $\mu$ g/ml BSA. Incubate at 37°C.

### Concentration & Storage Condition

Store at -20°C. 10 unit/ $\mu$ l in 10 mM Tris-HCl (pH 7.4), 400 mM NaCl, 1 mM DTT, 0.1 mM EDTA, 200  $\mu$ g/ml BSA, 50% (v/v) glycerol.

### Heat Inactivation Condition

80°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.

### Note

Dpn I is active only when its site is methylated.

Buf 4	37°C	80°C		
<small>BUFFER</small>	<small>REACTION</small>	<small>INACTIVATION</small>	<small>METHYL BLOCK</small>	<small>BLUE/WHITE</small>

<small>Buffer</small>	1	2	3	4
<small>Activity</small>	100	100	75	100



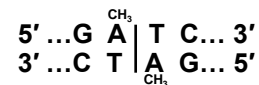
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