



For research use only

ISO9001

Dpn II

Product	Quantity	Cat. No.	Remarks
Dpn II	1,000 unit	EBR-1047	10 unit/μl

Recognition site



Source

Diplococcus pneumoniae G41.

Reaction Conditions

Buffer Dpn II. 50 mM Bis-Tris-HCl (pH 6.0), 100 mM NaCl, 10 mM magnesium chloride, 1 mM DTT. Incubate at 37°C.

Concentration & Storage Condition

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

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 CpG methylation (Cleavage of mammalian genomic DNA is blocked). Blocked by *dam* methylation.

Note

pH > 6.5 may result in star activity.

Buf U	37°C	65°C	dam	
BUFFER	REACTION	INACTIVATION	METHYL BLOCK	BLUE/WHITE

Buffer	1	2	3	4
Activity	0	0	100	0



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