



Applied Biological Materials Inc

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## NdeI

Store at -20°C

Cat. No.	Description	Concentration	Quantity
E058	NdeI	20000 U/ml	10000 U (500 µl)

### Product Description

The NdeI enzyme recognizes and cuts the sequence CA<sup>^</sup>TATG. For restriction enzyme digestion of double-stranded DNA.

### Recognition Sequence

5'...CATATG...3'  
3'...GTATAC...5'

### Methylation Sensitivity

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

### Kit Components

Part No.	Product Components	Quantity
E058	NdeI (20000 U/ml)	500 µl
E204	10X Universal Restriction Enzyme Reaction Buffer	2 x 1.25 ml

### Product Source

An *E. coli* strain that carries the NdeI gene from *Neisseria denitrificans* (NRCC 31009).

### Enzyme Storage Buffer

10 mM Tris-HCl (pH 7.5), 100 mM NaCl, 1 mM DTT, 0.1 mM 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. DNA isolated using standard miniprep methods may be cut with lower activity.

### Reaction Buffer Compatibility

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

### Heat Inactivation

Heat at 65°C for 20 minutes.

For laboratory research only. Not for clinical applications.  
For technical questions, please email us at [technical@abmgood.com](mailto:technical@abmgood.com)  
or visit our website at [www.abmGood.com](http://www.abmGood.com)