



Applied Biological Materials Inc

Tel: 1-866-757-2414  
Email: info@abmGood.com  
Website: www.abmGood.com

## EcoRI

Store at -20°C

Cat. No.	Description	Concentration	Quantity
E048	EcoRI	20000 U/ml	20000 U (1 ml)

### Product Description

The EcoRI enzyme recognizes and cuts the sequence G<sup>A</sup>AATTC. For restriction enzyme digestion of double-stranded DNA.

### Recognition Sequence

5'...GAATC...3'  
3'...CTAAG...5'

### Methylation Sensitivity

*dam* methylation: Not sensitive  
*dcm* methylation: Not sensitive  
CpG methylation: Blocked (overlapping)

### Kit Components

Part No.	Product Components	Quantity
E048	EcoRI (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 modified EcoRI gene from *E. coli* RY13.

### Enzyme Storage Buffer

20 mM Tris-HCl (pH 7.5), 300 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.

### Reaction Buffer Compatibility

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

### Heat Inactivation

Heat at 65°C for 20 minutes.