



Applied Biological Materials Inc

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

Xbal

Store at -20°C

Cat. No.	Description	Concentration	Quantity
E052	Xbal	20000 U/ml	10000 U (500 µl)

Product Description

The Xbal enzyme recognizes and cuts the sequence T[↓]ACTAGA. For restriction enzyme digestion of double-stranded DNA.

Recognition Sequence

5'...TCTAGA...3'
3'...AGATCT...5'

Methylation Sensitivity

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

Kit Components

Part No.	Product Components	Quantity
E052	Xbal (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 Xbal gene from *Xanthomonas badrii* (ATCC 11672).

Enzyme Storage Buffer

10 mM Tris-HCl (pH 7.5), 50 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 (*dam*/HindIII digest) 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: 75%, **Universal Buffer: 100%**

Heat Inactivation

Heat at 65°C for 20 minutes.