

# Exonuclease I Reaction Buffer



1-800-632-7799  
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B0293S 001161019102

## B0293S

6.0 ml Exonuclease I Reaction Buffer (10X)

Store at  $-20^{\circ}\text{C}$  Lot: 0011610 Exp: 10/19

**Description:** New England Biolabs supplies a 10X reaction buffer with all of its enzymes. At a 1X concentration this reaction buffer assures optimal activity of the enzyme.

### 1X Exonuclease I Reaction Buffer:

67 mM Glycine-KOH  
6.7 mM  $\text{MgCl}_2$   
10 mM 2-mercaptoethanol  
(pH 9.5 @  $25^{\circ}\text{C}$ )

### Quality Control Assay

**16-Hour Incubation:** A 50  $\mu\text{l}$  reaction containing this reaction buffer at a 1X concentration and 1  $\mu\text{g}$  of HaeIII digested  $\phi\text{X174}$  RF I DNA incubated for 16 hours resulted in no detectable non-specific nuclease degradation.

**Endonuclease Activity:** Incubation of this reaction buffer at a 1X concentration with 1  $\mu\text{g}$   $\phi\text{X174}$  RF I DNA for 4 hours at  $37^{\circ}\text{C}$  in 50  $\mu\text{l}$  reactions resulted in less than 5% conversion to RF II.



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This product is intended for research purposes only. This product is not intended to be used for therapeutic or diagnostic purposes in humans or animals.

CERTIFICATE OF ANALYSIS

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