

Exonuclease I Reaction Buffer



1-800-632-7799
info@neb.com
www.neb.com



B0293S 001141017101

B0293S

6.0 ml Exonuclease I Reaction Buffer (10X)

Store at -20°C Lot: 0011404 Exp: 4/17

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 MgCl₂
10 mM 2-mercaptoethanol
(pH 9.5 @ 25°C)

Quality Control Assay

16-Hour Incubation: A 50 µl reaction containing this reaction buffer at a 1X concentration and 1 µg of HaeIII digested φX174 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 µg φX174 RF I DNA for 4 hours at 37°C in 50 µl reactions resulted in less than 5% conversion to RF II.

CERTIFICATE OF ANALYSIS

Exonuclease I Reaction Buffer



1-800-632-7799
info@neb.com
www.neb.com



B0293S 001141017101

B0293S

6.0 ml Exonuclease I Reaction Buffer (10X)

Store at -20°C Lot: 0011404 Exp: 4/17

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 MgCl₂
10 mM 2-mercaptoethanol
(pH 9.5 @ 25°C)

Quality Control Assay

16-Hour Incubation: A 50 µl reaction containing this reaction buffer at a 1X concentration and 1 µg of HaeIII digested φX174 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 µg φX174 RF I DNA for 4 hours at 37°C in 50 µl reactions resulted in less than 5% conversion to RF II.

CERTIFICATE OF ANALYSIS