

Terminal Transferase Reaction Buffer Pack



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



B0315S 001120215021

B0315S

3 ml (2 x 1.5 ml) rxn buffer Lot: 0011202

Store at -20°C Exp: 2/15

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.

Reagents Supplied:

10X Terminal Transferase Reaction Buffer 2 x 1.5 ml
10X CoCl₂ (2.5 mM) 2 x 1.5 ml

Reaction Conditions: At a 1X concentration the reaction buffer, supplemented with 0.25 mM CoCl₂ assures optimal activity for Terminal Transferase.

1X Terminal Transferase Reaction Buffer:

50 mM potassium acetate
20 mM Tris-acetate
10 mM magnesium acetate
pH 7.9 @ 25°C
Supplied as a 10X concentrated stock

Quality Control Assays

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

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