

**T4 Polynucleotide
Kinase Reaction Buffer**



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



B0201S 002151118111

B0201S

**4.0 ml T4 Polynucleotide Kinase Exp: 11/18
Reaction Buffer (10X) Lot: 0021511
Store at -20°C**

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 T4 Polynucleotide Kinase Reaction Buffer:
70 mM Tris-HCl
10 mM MgCl₂
5 mM DTT
pH 7.6 @ 25°C
Supplied with enzyme 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.



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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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