

T4 Polynucleotide Kinase Reaction Buffer



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B0201S 001141017101

B0201S

4.0 ml T4 Polynucleotide Kinase Exp: 10/17

Reaction Buffer (10X) Lot: 0011410

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 MgCl_2

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.

CERTIFICATE OF ANALYSIS

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