

RNAPol Reaction Buffer



1-800-632-7799
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B9012S 009120813081

B9012S

6.0 ml RNAPol Reaction Buffer (10X)

Store at -20°C Lot: 0091208 Exp: 8/13

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.

RNAPol Reaction Buffer is used with both RNA Polymerases:

SP6 RNA Polymerase NEB #M0207

T7 RNA Polymerase NEB #M0251

1X RNAPol Reaction Buffer:

40 mM Tris-HCl

6 mM MgCl₂

10 mM DTT

2 mM spermidine

pH 7.9 @ 25°C

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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