M-MuLV Reverse Transcriptase Reaction Buffer

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

B0253S 004120215021

B0253S

6.0 ml M-MuLV Reverse Transcriptase Reaction Buffer (10X) **Lot: 0041202**

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.

1X M-MuLV Reverse Transcriptase Reaction Buffer:
50 mM Tris-HCl
75 mM KCl
3 mM $MgCl_2$
10 mM dithiothreitol
pH 8.3 @ 25°C

Quality Control Assays

16-Hour Incubation: 1 µg of HaeIII digested ϕX174 RF I DNA in 50 µl of this reaction buffer at 1X concentration showed no detectable non-specific nuclease degradation after incubation at 37°C for 16 hours.

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 a 50 µl reaction resulted in less than 5% conversion to RF II.

RNase Activity: Incubation of 40 ng of RNA transcripts in 50 µl of this reaction buffer at a 1X concentration for 2 hours at 37°C resulted in no detectable degradation of the RNA as determined by gel electrophoresis.

CERTIFICATE OF ANALYSIS

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