

Taq DNA Ligase Reaction Buffer



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B0208S 001120415041

B0208S

6.0 ml *Taq* DNA Ligase Reaction Buffer (10X)

Store at -20°C Lot: 0011204 Exp: 4/15

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 *Taq* DNA Ligase Reaction Buffer:

20 mM Tris-HCl
25 mM potassium acetate
10 mM magnesium acetate
10 mM DTT
1 mM NAD
0.1% Triton X-100
pH 7.6 @ 25°C

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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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