

## Lambda Exonuclease Reaction Buffer



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B0262S 004140717071

# B0262S

**6.0 ml Lambda Exonuclease Reaction Buffer (10X)**

**Store at -20°C Lot: 0041407 Exp: 7/17**

**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 Lambda Exonuclease Reaction Buffer:

67 mM Glycine-KOH  
2.5 mM MgCl<sub>2</sub>  
50 µg/ml BSA  
pH 9.4 @ 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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