

## NEBuffer 3



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



570033 006160619061

# B7003S

5.0 ml

Lot: 0061606

Store at -20°C

Exp: 6/19

**Description:** New England Biolabs provides a color-coded 10X NEBuffer with each restriction endonuclease to ensure optimal (100%) activity. The NEBuffer minus BSA formulation is included in this buffer pack for those enzymes requiring NEBuffers without BSA. For the BSA containing formulation, Buffer packs NEBuffer 1.1 (NEB #B7201), NEBuffer 2.1 (NEB #B7201), NEBuffer 3.1 (NEB #B7203) and CutSmart Buffer (NEB #B7204) are available. Visit [www.neb.com](http://www.neb.com) for details.

Note: Now supplied at 1.25 ml per tube.

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### 1X NEBuffer 3:

100 mM NaCl  
50 mM Tris-HCl  
10 mM MgCl<sub>2</sub>  
1 mM DTT  
pH 7.9 @ 25°C  
Supplied as a 10X concentrated stock

### Quality Control

**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.

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CERTIFICATE OF ANALYSIS

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