

NEBuffer 4



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



B7004S 004141117111

B7004S

5.0 ml

Lot: 0041411

Store at -20°C

Exp: 11/17

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 for details.

Note: Now supplied at 1.25 ml per tube.

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1X NEBuffer 4:

50 mM potassium acetate
20 mM Tris-acetate
10 mM magnesium acetate
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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