**OneTaq® GC Reaction Buffer Pack**

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

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**B9023S**

8 ml (4 x 2.0 ml)  
Lot: 0011403  
Store at –20°C  
Exp: 3/17

**Description:** 5X OneTaq GC Reaction Buffer and OneTaq High GC Enhancer are optimized for use with OneTaq and OneTaq Hot Start DNA Polymerases. This reaction buffer and supplemental enhancer have been formulated for robust yields of difficult or GC-rich amplicons. The OneTaq GC Reaction Buffer is recommended for GC-rich (> 65% GC) amplicons. For particularly difficult amplicons, the OneTaq High GC Enhancer can be added at a final concentration of 10–20% to reactions with OneTaq GC Reaction Buffer.

**Reagents Supplied:**
- 5X OneTaq GC Reaction Buffer 4 x 2.0 ml
- OneTaq High GC Enhancer 4 x 2.0 ml

**Reaction Conditions:**
- 1X OneTaq GC Reaction Buffer, 10–20% OneTaq High GC Enhancer (optional), DNA template, primers, 200 µM dNTPs (not included) and 1.25 units of OneTaq or OneTaq Hot Start DNA Polymerase (not included) in a total reaction volume of 50 µl.

**1X OneTaq GC Reaction Buffer:**
- 80 mM Tris-SO₄ (pH 9.2 at 25°C)
- 2 mM MgSO₄
- 20 mM (NH₄)₂SO₄
- 5% Glycerol
- 5% DMSO
- 0.06% IGEPAL® CA-630
- 0.05% Tween® 20

**OneTaq High GC Enhancer:**
- 10 mM Tris-HCl (pH 9.2 at 25°C)
- 25% DMSO
- 25% Glycerol

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**Quality Assurance**

The reaction buffer and supplement are free of detectable nucleases.

ONETAQ® is a registered trademark of New England Biolabs, Inc.
IGEPAL® is a registered trademark of Rhodia Operations.
TWEEN® is a registered trademark of Uniqema Americas LLC.

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**ISO 9001**  
Registered Quality Management

**ISO 14001**  
Registered Environmental Management

**ISO 13485**  
Registered Medical Devices

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