

ThermoPol® Reaction Buffer Pack



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



B9004S 001150820082

B9004S

6.0 ml (4 x 1.5 ml)

Lot: 0011508

Store at -20°C

Exp: 8/20

Description: 10X ThermoPol Reaction Buffer is optimized for use with Vent_R® and Deep Vent_R™ DNA Polymerases. This buffer also provides superior reaction conditions for other thermophilic DNA polymerases, including *Taq* DNA Polymerase, as well as various other DNA and RNA modifying enzymes. Supplemental MgSO₄ is provided to maximize flexibility for users that require additional Mg²⁺ for their specific application. See individual product descriptions for the recommended buffer for each enzyme, or visit the FAQ page for

this product on the NEB website for a complete list of enzymes for which this buffer is either recommended or compatible.

Reagents Supplied:

10X ThermoPol Reaction Buffer 4 x 1.5 ml
100 mM MgSO₄ 1.5 ml

Reaction Conditions: At a 1X concentration, the reaction buffer assures optimal activity of Vent_R, Deep Vent_R, *Taq* and other DNA polymerases, as well as other enzymes for which ThermoPol Reaction Buffer is recommended.

1X ThermoPol Reaction Buffer:

20 mM Tris-HCl
10 mM (NH₄)₂SO₄
10 mM KCl
2 mM MgSO₄
0.1% Triton® X-100
pH 8.8 @ 25°C

Quality Assurance

This reaction buffer and supplement are free of detectable nucleases.



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DEEP VENT™ is a trademark of New England Biolabs, Inc.

TRITON® is a registered trademark of Union Carbide Corporation.

This product is intended for research purposes only. This product is not intended to be used for therapeutic or diagnostic purposes in humans or animals.

CERTIFICATE OF ANALYSIS

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