

ThermoPol Reaction Buffer Pack



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



B9004S 002110714071

B9004S

6.0 ml (4 x 1.5 ml) Lot: 0021107

Store at -20°C Exp: 7/14

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 web site 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.

CERTIFICATE OF ANALYSIS

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