

## Phusion® GC Buffer Pack



1-800-632-7799  
info@neb.com  
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B0519S 001140317031

# B0519S

**6.0 ml**      **Lot: 0011403**      **Exp: 3/17**  
**5X Concentration**      **Store at -20°C**

**Description:** New England Biolabs supplies a unique 5X reaction buffer and supplemental reagents for use with Thermo Scientific® Phusion High-Fidelity DNA Polymerase and associated products, all of which are manufactured and quality controlled at New England Biolabs.

### Reagents Supplied:

|                               |            |
|-------------------------------|------------|
| 5X Phusion GC Reaction Buffer | 4 x 1.5 ml |
| 50 mM MgCl <sub>2</sub>       | 2 x 1.5 ml |
| 100% DMSO                     | 0.5 ml     |

**Reaction Conditions:** At a 1X concentration the reaction buffer contains 1.5 mM MgCl<sub>2</sub> and assures optimal activity for Phusion DNA Polymerase. Additional MgCl<sub>2</sub> (50 mM) is provided for those amplicons that require higher Mg<sup>++</sup> concentrations.

### Quality Assurance

The reaction buffer and supplements are free of detectable nucleases.

Phusion® DNA Polymerase was developed by Finnzymes Oy, now a part of Thermo Fisher Scientific. This product is manufactured by New England Biolabs, Inc. under agreement with, and under the performance specifications of Thermo Fisher Scientific.

PHUSION® is a registered trademark and property of Thermo Fisher Scientific.

THERMO SCIENTIFIC® is a registered trademark of Thermo Fisher Scientific.

CERTIFICATE OF ANALYSIS

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