

New England Biolabs Certificate of Analysis

Product Name: *Phusion® GC Buffer Pack*
Catalog Number: *B0519S*
Concentration: *5 X Concentrate*
Packaging Lot Number: *10262425*
Expiration Date: *03/2027*
Storage Temperature: *-20°C*
Specification Version: *PS-B0519S v1.0*
Composition (1X): *Proprietary*

| Phusion® GC Buffer Pack Component List | | | |
|--|------------------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| B0519SVIAL | Phusion® GC Buffer Pack | 10237048 | Pass |
| B0515AVIAL | DMSO | 10255310 | Pass |
| B0510AVIAL | MgCl ₂ Solution (50 mM) | 10233969 | Pass |

| Assay Name/Specification | Lot # 10262425 |
|--|----------------|
| PCR Amplification (20 kb Lambda DNA, Buffer) A 50 µl reaction in Phusion® GC Reaction Buffer in the presence of 200 µM dNTPs and 1 µM primers containing 10 ng Lambda DNA with 1 unit of Phusion® High-Fidelity DNA Polymerase for 22 cycles of PCR amplification results in the expected 20 kb product. | Pass |
| PCR Amplification (7.5 kb Human Genomic DNA, Buffer) A 50 µl reaction in Phusion® GC Reaction Buffer in the presence of 200 µM dNTPs and 1 µM primers containing 50 ng Human Genomic DNA with 1 unit of Phusion® High-Fidelity DNA Polymerase for 30 cycles of PCR amplification results in the expected 7.5 kb product. | Pass |

This product has been tested and shown to be in compliance with all specifications.

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30 Apr 2024



Josh Hersey
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25 Oct 2024