

New England Biolabs Certificate of Analysis

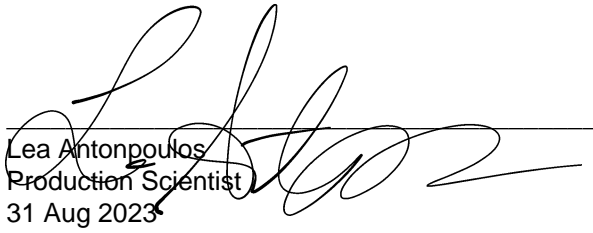
Product Name: Phusion® GC Buffer Pack
 Catalog Number: B0519S
 Concentration: 5 X Concentrate
 Packaging Lot Number: 10221416
 Expiration Date: 05/2026
 Storage Temperature: -20°C
 Specification Version: PS-B0519S v1.0
 Composition (1X): Proprietary

Phusion® GC Buffer Pack Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
B0519SVIAL	Phusion® GC Buffer Pack	10205452	Pass
B0515AVIAL	DMSO	10194246	Pass
B0510AVIAL	MgCl ₂ Solution (50 mM)	10205449	Pass

Assay Name/Specification	Lot # 10221416
<p>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.</p>	Pass
<p>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.</p>	Pass

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.


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31 Aug 2023


Michael Tonello
Packaging Quality Control Inspector
19 Jan 2024