

New England Biolabs Certificate of Analysis

Product Name: *Phusion™ GC Buffer Pack*
Catalog Number: *B0519S*
Concentration: *5 X Concentrate*
Packaging Lot Number: *10274381*
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	5X Phusion™ GC Buffer Pack	10257557	Pass
B0515AVIAL	DMSO	10255310	Pass
B0510AVIAL	MgCl ₂ Solution (50 mM)	10264688	Pass

Assay Name/Specification	Lot # 10274381
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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05 Nov 2024



Michael Tonello
Packaging Quality Control Inspector
27 Feb 2025