

New England Biolabs Certificate of Analysis

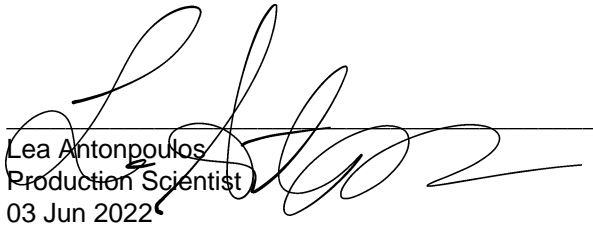
Product Name: Phusion® GC Buffer Pack
Catalog Number: B0519S
Concentration: 5 X Concentrate
Packaging Lot Number: 10175563
Expiration Date: 05/2025
Storage Temperature: -20°C
Specification Version: PS-B0519S v1.0
Composition (1X): Proprietary

Phusion® GC Buffer Pack Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
B0519SVIAL	Phusion® GC Buffer Pack	10165332	Pass
B0515AVIAL	DMSO	10150729	Pass
B0510AVIAL	MgCl ₂ Solution (50 mM)	10151178	Pass

Assay Name/Specification	Lot # 10175563
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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Lea Antonopoulos
Production Scientist
03 Jun 2022


Michael Tonello
Packaging Quality Control Inspector
24 Jan 2023