

New England Biolabs Certificate of Analysis

Product Name: *Phusion® GC Buffer Pack*
 Catalog Number: *B0519S*
 Concentration: *5 X Concentrate*
 Packaging Lot Number: *10065630*
 Expiration Date: *06/2022*
 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	10046899	Pass
B0515AVIAL	DMSO	10062895	Pass
B0510AVIAL	MgCl ₂ Solution (50 mM)	10048126	Pass

Assay Name/Specification	Lot # 10065630
<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.

Christie Vazquez

Christie Vazquez
Production Scientist
08 Jul 2019

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
21 Feb 2020