

## New England Biolabs Certificate of Analysis

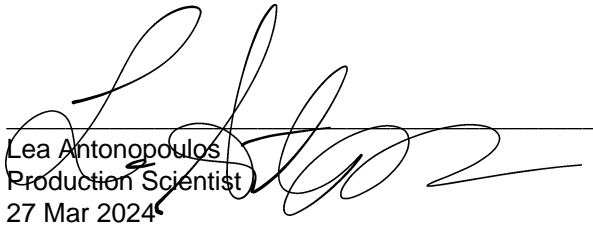
**Product Name:** *Phusion® HF Buffer Pack*  
**Catalog Number:** *B0518S*  
**Concentration:** *5 X Concentrate*  
**Packaging Lot Number:** *10239948*  
**Expiration Date:** *05/2026*  
**Storage Temperature:** *-20°C*  
**Specification Version:** *PS-B0518S v1.0*  
**Composition (1X):** *Proprietary*

Phusion® HF Buffer Pack Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
B0518SVIAL	Phusion® HF Buffer Pack	10234098	Pass
B0515AVIAL	DMSO	10228581	Pass
B0510AVIAL	MgCl <sub>2</sub> Solution (50 mM)	10233969	Pass

Assay Name/Specification	Lot # 10239948
<b>PCR Amplification (20 kb Lambda DNA, Buffer)</b> A 50 µl reaction in Phusion® HF 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.	<b>Pass</b>
<b>PCR Amplification (7.5 kb Human Genomic DNA, Buffer)</b> A 50 µl reaction in Phusion® HF 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.	<b>Pass</b>

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

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27 Mar 2024



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16 May 2024