

## New England Biolabs Certificate of Analysis

Product Name: *Phusion® HF Buffer Pack*  
 Catalog Number: *B0518S*  
 Concentration: *5 X Concentrate*  
 Packaging Lot Number: *10145654*  
 Expiration Date: *10/2024*  
 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	10143445	Pass
B0515AVIAL	DMSO	10129312	Pass
B0510AVIAL	MgCl <sub>2</sub> Solution (50 mM)	10131968	Pass

Assay Name/Specification	Lot # 10145654
<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.	Pass
<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.	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](http://www.neb.com/trademarks) for additional information.

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12 Apr 2022

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