

New England Biolabs Certificate of Analysis

Product Name: *Phusion® HF Buffer Pack*
 Catalog Number: *B0518S*
 Concentration: *5 X Concentrate*
 Packaging Lot Number: *10115100*
 Expiration Date: *12/2023*
 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 | 10113103 | Pass |
| B0515AVIAL | DMSO | 10111136 | Pass |
| B0510AVIAL | MgCl ₂ Solution (50 mM) | 10096253 | Pass |

| Assay Name/Specification | Lot # 10115100 |
|---|----------------|
| <p>PCR Amplification (7.5 kb Human Genomic DNA, Buffer) 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.</p> | Pass |
| <p>PCR Amplification (20 kb Lambda DNA, Buffer) 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.</p> | 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 for additional information.

Christie Vazquez

Christie Vazquez
Production Scientist
11 Aug 2021

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
11 Aug 2021