

New England Biolabs Certificate of Analysis

Product Name: *Phusion® HF Buffer Pack*
 Catalog Number: *B0518S*
 Concentration: *5 X Concentrate*
 Lot Number: *10035158*
 Expiration Date: *03/2021*
 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	0071804	Pass
B0515AVIAL	DMSO	10019997	Pass
B0510AVIAL	MgCl ₂ Solution (50 mM)	10033766	Pass

Assay Name/Specification	Lot # 10035158
<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
<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

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



Lynne Apone
Production Scientist
12 Sep 2018



Michael Tonello
Packaging Quality Control Inspector
05 Feb 2019