

New England Biolabs Certificate of Analysis

Product Name: Phusion® HF Buffer Pack
Catalog Number: B0518S
Concentration: 5 X Concentrate
Lot Number: 10043789
Expiration Date: 12/2021
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	10032119	Pass
B0515AVIAL	DMSO	10041254	Pass
B0510AVIAL	MgCl ₂ Solution (50 mM)	10009811	Pass

Assay Name/Specification	Lot # 10043789
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.	Pass
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.	Pass

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



Tony Spear-Alfonso
Production Scientist
26 Jun 2018



Michael Tonello
Packaging Quality Control Inspector
09 May 2019