

New England Biolabs Certificate of Analysis

Product Name: *Phusion® High-Fidelity PCR Master Mix with HF Buffer*
Catalog Number: *M0531L*
Concentration: *2 X Concentrate*
Packaging Lot Number: *10109652*
Expiration Date: *08/2022*
Storage Temperature: *-20°C*
Specification Version: *PS-M0531S/L v2.0*
Composition (1X): *1 X Phusion® HF Buffer, 0.2 mM dATP, 0.2 mM dCTP, 0.2 mM dGTP, 0.2 mM dTTP, 20 units/ml Phusion® High-Fidelity DNA Polymerase*

Phusion® High-Fidelity PCR Master Mix with HF Buffer Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M0531SVIAL	Phusion® High-Fidelity PCR Master Mix with HF Buffer	10099142	Pass
B0515AVIAL	DMSO	10096249	Pass

Assay Name/Specification	Lot # 10109652
PCR Amplification (7.5 kb Human Genomic DNA, Master Mix) A 50 µl reaction in 1X Phusion® High-Fidelity PCR Master Mix with HF Buffer and 1.0 µM primers containing 50 ng Human Genomic DNA for 30 cycles of PCR amplification results in the expected 7.5 kb product.	Pass
PCR Amplification (20 kb Lambda DNA, Master Mix) A 50 µl reaction in 1X Phusion® High-Fidelity PCR Master Mix with HF Buffer and 1.0 µM primers containing 10 ng Lambda DNA for 22 cycles of PCR amplification results in the expected 20 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 for additional information.

Christie Vazquez

Christie Vazquez
Production Scientist
11 May 2021

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
11 May 2021