

New England Biolabs Certificate of Analysis

Product Name: *Phusion® High-Fidelity PCR Master Mix with HF Buffer*
Catalog Number: *M0531S*
Concentration: *2 X Concentrate*
Packaging Lot Number: *10137919*
Expiration Date: *07/2023*
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 | 10132108 | Pass |
| B0515AVIAL | DMSO | 10129312 | Pass |

| Assay Name/Specification | Lot # 10137919 |
|---|----------------|
| 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
19 Jan 2022

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
19 Jan 2022