

New England Biolabs Certificate of Analysis

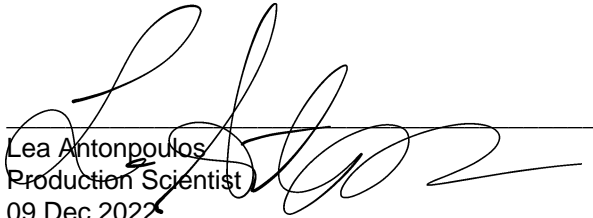
Product Name: Phusion® Hot Start Flex 2X Master Mix
Catalog Number: M0536L
Concentration: 2 X Concentrate
Packaging Lot Number: 10171895
Expiration Date: 05/2024
Storage Temperature: -20°C
Specification Version: PS-M0536S/L v2.0
Composition (1X): 1 X Phusion® Hot Start Flex Reaction Buffer, 0.2 mM dATP, 0.2 mM dCTP, 0.2 mM dGTP, 0.2 mM dTTP, 20 units/ml Phusion® Hot Start Flex DNA Polymerase

| Phusion® Hot Start Flex 2X Master Mix Component List | | | |
|--|---------------------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| M0536SVIAL | Phusion® Hot Start Flex 2X Master Mix | 10171371 | Pass |
| B0515AVIAL | DMSO | 10168878 | Pass |

| Assay Name/Specification | Lot # 10171895 |
|--|----------------|
| <p>PCR Amplification (20 kb Lambda DNA, Master Mix) A 50 µl reaction in 1X Phusion® Hot Start Flex Master Mix and 1.0 µM primers containing 10 ng Lambda DNA for 22 cycles of PCR amplification results in the expected 20 kb product.</p> | Pass |
| <p>PCR Amplification (7.5 kb Human Genomic DNA, Master Mix) A 50 µl reaction in 1X Phusion® Hot Start Flex Master Mix 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.</p> | Pass |
| <p>PCR Amplification (Hot Start, Human Genomic DNA, Master Mix) A 25 µl reaction in 1X Phusion® Hot Start Flex Master Mix and 0.5 µM primers containing 50 ng Human Genomic DNA for 25 cycles of PCR amplification results in the expected 665 bp product and a decrease in non-specific genomic bands after pre-incubation at room temperature for 1 hour, when compared to a non-hot start control reaction.</p> | Pass |

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

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Lea Antonopoulos
Production Scientist
09 Dec 2022


Michael Tonello
Packaging Quality Control Inspector
15 Dec 2022