

New England Biolabs Certificate of Analysis

Product Name: Phusion® Hot Start Flex 2X Master Mix
Catalog Number: M0536L
Concentration: 2 X Concentrate
Lot Number: 10036746
Expiration Date: 07/2020
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 | 10032994 | Pass |
| B0515AVIAL | DMSO | 10019997 | Pass |

| Assay Name/Specification | Lot # 10036746 |
|---|----------------|
| 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. | Pass |
| 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. | Pass |
| 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. | Pass |

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

Christie Vazquez

Christie Vazquez
Production Scientist
25 Jan 2019

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
08 Mar 2019