

New England Biolabs Certificate of Analysis

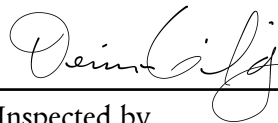
Product Name: Phusion[®] Hot Start Flex 2X Master Mix
Catalog #: M0536S/L
Concentration: 2 X Concentrate
Lot #: 0211610
Assay Date: 10/2016
Expiration Date: 10/2017
Storage Temp: -20°C
Composition (1X): 1 X Phusion[®] Hot Start Flex Reaction Buffer, 0.2 mM dATP, 0.2 mM dCTP, 0.2 mM dGTP, 0.2 mM dTTP, 20 units/ml Phusion[®] Hot Start Flex DNA Polymerase
Specification Version: PS-M0536S/L v1.0
Effective Date: 17 Oct 2016

Assay Name/Specification (minimum release criteria)	Lot #0211610
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

** The BSA in this product has been granted an EDQM "Certificate of Suitability" from the European Directorate for the Quality of Medicines (# R1-CEP-2003-204-Rev00) and has been granted a USDA Certificate for Export of Bovine Blood Plasma/Serum for Manufacture into Pharmaceutical Products.*



Authorized by
Karen Moreira
17 Oct 2016



Inspected by
Denisa Gilaj
13 Oct 2016

