

New England Biolabs Product Specification

<i>Product Name:</i>	<i>Phusion® High-Fidelity PCR Master Mix with HF Buffer</i>
<i>Catalog #:</i>	<i>M0531S/L</i>
<i>Concentration:</i>	<i>2 X Concentrate</i>
<i>Shelf Life:</i>	<i>12 months</i>
<i>Storage Temp:</i>	<i>-20°C</i>
<i>Composition (1X):</i>	<i>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</i>
<i>Specification Version:</i>	<i>PS-M0531S/L v1.0</i>
<i>Effective Date:</i>	<i>30 Jun 2016</i>

Assay Name/Specification (minimum release criteria)

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.
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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.
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* 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.



Date 30 Jun 2016

Derek Robinson
Director of Quality Control

