

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>2X Concentrate</i>
<i>Shelf Life:</i>	<i>18 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 v2.0</i>
<i>Effective Date:</i>	<i>22 Nov 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.

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.

* 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 22 Nov 2016

Derek Robinson
Director of Quality Control

