

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.

One or more products referenced in this document may be covered by a 3rd-party trademark.
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Date 22 Nov 2016

Derek Robinson
Quality Approver

