Product Name: Phusion® High-Fidelity PCR Master Mix with HF Buffer
Catalog Number: M0531L
Concentration: 2 X Concentrate
Lot Number: 10047035
Expiration Date: 08/2020
Storage Temperature: -20°C
Specification Version: PS-M0531S/L v2.0
Composition (1X): 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

<table>
<thead>
<tr>
<th>NEB Part Number</th>
<th>Component Description</th>
<th>Lot Number</th>
<th>Individual QC Result</th>
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</thead>
<tbody>
<tr>
<td>M0531SVIAL</td>
<td>Phusion® High-Fidelity PCR Master Mix with HF Buffer</td>
<td>10032992</td>
<td>Pass</td>
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<tr>
<td>B0515AVIAL</td>
<td>DMSO</td>
<td>10041254</td>
<td>Pass</td>
</tr>
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Assay Name/Specification | Lot # 10047035
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PCR Amplification (20 kb Lambda DNA, Master Mix) | Pass
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) | Pass
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.

This product has been tested and shown to be in compliance with all specifications.
Christie Vazquez
Production Scientist
12 Feb 2019

Josh Hersey
Packaging Quality Control Inspector
21 Jun 2019