MyTaq™ DNA Polymerase

For Research Use Only

Storage Conditions: -20°C
Lot number: MT-315103
Expiry date: April 2017

Quality Control Parameters

<table>
<thead>
<tr>
<th>Analysis</th>
<th>Specification</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Functional</td>
<td>A 3kb fragment is amplified with a dilution series of human genomic DNA and a dilution series of enzyme, using standard conditions and 30 cycles. Single distinct bands were observed with agarose gel electrophoresis (ethidium stained).</td>
<td>Passed</td>
</tr>
<tr>
<td>DNA contamination</td>
<td>Quantitative PCR analysis with no template. Presence of E. coli and mouse genomic DNA checked. Test sample must amplify in line with a reference sample.</td>
<td>Passed</td>
</tr>
<tr>
<td>DNase contamination</td>
<td>Incubation of a 1kb double stranded DNA fragment. Incubation for 4 hours at 37°C with dilution series of DNase I. Analysed by agarose gel electrophoresis. Test sample must show less degradation than the limit of detection 2.5 x 10^-3 U DNase.</td>
<td>Passed</td>
</tr>
</tbody>
</table>

Authorised by Jade James

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**MyTaq™ Red Reaction Buffer**

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<th>-20°C</th>
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<tr>
<td>Lot number:</td>
<td>MTBR-515103</td>
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<td>Expiry date:</td>
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<th>Analysis</th>
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<tr>
<td>Functional</td>
<td>Fragment of size 1200bp was amplified with a dilution series of human genomic DNA, using standard conditions and 35 cycles. Single distinct bands were observed with agarose gel electrophoresis (ethidium stained).</td>
<td>Passed</td>
</tr>
<tr>
<td>DNA contamination</td>
<td>Quantitative PCR analysis with no template. Presence of <em>E. coli</em> and mouse genomic DNA checked. Test sample must amplify in line with a reference sample.</td>
<td>Passed</td>
</tr>
<tr>
<td>DNase contamination</td>
<td>Incubation of a 1Kb double stranded DNA fragment. Incubation for 4 hours at 37°C with dilution series of DNase I. Analysed by agarose gel electrophoresis. Test sample must show less degradation than the limit of detection $2.5 \times 10^{-3}$ U DNase.</td>
<td>Passed</td>
</tr>
</tbody>
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