**MyTaq™ DNA Polymerase**

For Research Use Only

<table>
<thead>
<tr>
<th>Storage Conditions:</th>
<th>-20°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lot number:</td>
<td>MT-315106</td>
</tr>
<tr>
<td>Expiry date:</td>
<td>July 2017</td>
</tr>
</tbody>
</table>

## 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 <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>
</table>

Authorised by Jade James

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MyTaq™ Red Reaction Buffer

For Research Use Only

Storage Conditions: -20°C
Lot number: MTBR-515106
Expiry date: July 2017

Quality Control Parameters

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<thead>
<tr>
<th>Analysis</th>
<th>Specification</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<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 x 10^{-3} U DNase.</td>
<td>Passed</td>
</tr>
</tbody>
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