## MyTaq™ DNA Polymerase

For Research Use Only

- **Storage Conditions:** -20°C
- **Lot number:** MT-617109
- **Expiry date:** October 2019

### 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 x 10^{-3} U DNase.</td>
<td>Passed</td>
</tr>
</tbody>
</table>

Authorised by Christopher Weatherall

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United Kingdom

Headquarters UK

- **Tel:** +44 (0)20 8830 5300
- **Fax:** +44 (0)20 8452 2822

United States of America (USA)

- **info.us@bioline.com**
- **Tel:** +1 508 880 8990
- **Fax:** +1 508 880 8993

Germany

- **info.de@bioline.com**
- **Tel:** +49 (0)3371 681 229
- **Fax:** +49 (0)3371 681 244

France

- **info.fr@bioline.com**
- **Tel:** +33 (0)1 42 56 04 40
- **Fax:** +33 (0)9 70 06 62 10

Australia

- **info.aust@bioline.com**
- **Tel:** +61 (0)2 9209 4180
- **Fax:** +61 (0)2 9209 4763

Singapore

- **info.sg@bioline.com**
- **Tel:** +65 6774 7196
- **Fax:** +65 6774 6441
### MyTaq™ Red Reaction Buffer

For Research Use Only

<table>
<thead>
<tr>
<th>Storage Conditions:</th>
<th>-20°C</th>
</tr>
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<tbody>
<tr>
<td>Lot number:</td>
<td>MTBR-717209</td>
</tr>
<tr>
<td>Expiry date:</td>
<td>October 2019</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>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>
</table>

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