Product Name:
Taq DNA Polymerase from Thermus aquaticus – with 10x PCR reaction buffer without MgCl2

Certificate of Analysis

<table>
<thead>
<tr>
<th>Test Component(s)</th>
<th>Specification</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>M8787-5ML-KC</td>
<td>SLBZ9143</td>
<td></td>
</tr>
<tr>
<td>Appearance (Turbidity)</td>
<td>Clear</td>
<td>Clear</td>
</tr>
<tr>
<td>Appearance (Color)</td>
<td>Colorless</td>
<td>Colorless</td>
</tr>
<tr>
<td>Appearance (Form)</td>
<td>Liquid</td>
<td>Liquid</td>
</tr>
<tr>
<td>DNase, Exonuclease Detection</td>
<td>None Detected</td>
<td>None Detected</td>
</tr>
<tr>
<td>NICKase, Endonuclease Detection</td>
<td>None Detected</td>
<td>None Detected</td>
</tr>
<tr>
<td>RNase Detection</td>
<td>None Detected</td>
<td>None Detected</td>
</tr>
<tr>
<td>Concentration</td>
<td>24 - 26 mM</td>
<td>25 mM</td>
</tr>
<tr>
<td>by ICP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suitable for PCR</td>
<td>Suitable</td>
<td>Suitable</td>
</tr>
<tr>
<td>D6677-5KU-KC</td>
<td>SLCD4634</td>
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</tr>
<tr>
<td>DNase, Exonuclease Detection</td>
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<td>None Detected</td>
</tr>
<tr>
<td>RNase Detection</td>
<td>None Detected</td>
<td>None Detected</td>
</tr>
<tr>
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<td>Suitable</td>
<td></td>
</tr>
<tr>
<td>Activity (un/ul)</td>
<td>5 - 6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unit Definition: One unit incorporates 10 nanomoles of total deoxyribonucleoside-triphosphates into acid precipitable DNA in 30 minutes at 75°C.</td>
<td></td>
</tr>
<tr>
<td>P2317-5ML-KC</td>
<td>SLCD2335</td>
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<td>DNase, Exonuclease Detection</td>
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<td>None Detected</td>
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</tr>
<tr>
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Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.
# Certificate of Analysis

**Product Number:** D4545  
**Batch Number:** SLCF4656

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Carolyn Baird, Supervisor  
Quality Assurance  
St. Louis, Missouri  US

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