Product Specification 95085-01K Rev 01

Product Information

<table>
<thead>
<tr>
<th>AccuStart Taq DNA Polymerase HiFi</th>
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<tbody>
<tr>
<td>Part Number</td>
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<tr>
<td>Number of Units</td>
</tr>
<tr>
<td>Concentration</td>
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<tr>
<td>Storage Temperature</td>
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<tr>
<td>Lot Number</td>
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<tr>
<td>Reference Number</td>
</tr>
<tr>
<td>Expiration Date</td>
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Component Part Numbers:
- 84123 AccuStart Taq DNA Polymerase HiFi, 0.20mL
- 84125 10X HiFi PCR Buffer 1.25mL
- 84126 50mM Magnesium Sulfate 1.25mL

Product Specifications

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<th>95085</th>
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<tbody>
<tr>
<td>Assay</td>
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<tr>
<td>Result</td>
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Quality Control Analysis and Specifications:

Nuclease Assay:
- **DNase**: DNase activity must be below the detectable limits of 100 pg DNase I equivalent as assayed using a fluorogenic substrate following a 1 hour incubation at 37°C with each kit component at 1X concentration.
- **RNase**: RNase activity must be below the detectable limits of 1 pg RNase A equivalent as assayed using a fluorogenic substrate following a 1 hour incubation at 37°C with each kit component at 1X concentration.

23 Kb PCR Functional Assay for HiFi DNA Polymerase: Amplification of >23-kb product must be visible by agarose gel electrophoresis following a 35 cycle PCR amplification of a single copy sequence from 100 ng human genomic DNA. Negative control must be free of visible product.

Limitations of Use
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This product was developed, manufactured, and sold for in vitro use only. The product is not suitable for administration to humans or animals. SDS sheets relevant to this product are available upon request.
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