Product Specifications 95161-500 Rev 02

Product Information

<table>
<thead>
<tr>
<th>qScript® XLT cDNA SuperMix (5X)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Part Number</td>
<td>95161-500</td>
</tr>
<tr>
<td>Number of Reactions</td>
<td>500 Reactions</td>
</tr>
<tr>
<td>Reaction Size</td>
<td>20 µL</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-25°C to -15°C</td>
</tr>
<tr>
<td>Lot Number</td>
<td>66237437</td>
</tr>
<tr>
<td>Reference Number</td>
<td>032123</td>
</tr>
<tr>
<td>Expiration Date</td>
<td>08/31/2024</td>
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</tbody>
</table>

Component Part Numbers:
84358 qScript XLT cDNA SuperMix 1.0mL

Product Specifications

<table>
<thead>
<tr>
<th>Assay</th>
<th>95161</th>
</tr>
</thead>
<tbody>
<tr>
<td>qScript XLT cDNA SuperMix Functional Assay</td>
<td>DNase</td>
</tr>
<tr>
<td>Result</td>
<td>Pass</td>
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</table>

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.

**qScript XLT cDNA SuperMix Functional Assay**: Real-time One-Step RT-PCR of a reference gene (ACTB) in triplicate reactions is performed on a 10 fold serial dilution over 6 orders of dynamic range (100 ng to 100 fg) using a Universal Reference total RNA preparation. Slope from Ct standard curve analysis between -3.20 and -3.65. No Template Control below the threshold for at least two replicates.

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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