**Product Information**

<table>
<thead>
<tr>
<th>qScript® Flex cDNA Kit</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Part Number</td>
<td>95049-025</td>
</tr>
<tr>
<td>Number of Reactions</td>
<td>25 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>66194758</td>
</tr>
<tr>
<td>Reference Number</td>
<td>101921, 062121, 021721, 081821, 071521</td>
</tr>
<tr>
<td>Expiration Date</td>
<td>06/30/2024</td>
</tr>
</tbody>
</table>

**Component Part Numbers:**
- 84001 qScript RT 0.025 mL
- 84039 5X qScript Flex Reaction Mix 0.10 mL
- 84040 Oligo dT 0.050 mL
- 84041 Random Primer 0.050 mL
- 84042 GSP Enhancer 0.050 mL
- 84007 Nuclease Free Water 1.50 mL

**Product Specifications**

<table>
<thead>
<tr>
<th>Assay</th>
<th>Functional PCR Assay for Flex Kit</th>
<th>β-actin SYBR Green qRT-PCR Assay for qScript Reverse Transcriptase</th>
<th>DNase</th>
<th>RNase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Result</td>
<td>Pass</td>
<td>Pass</td>
<td>Pass</td>
<td>Pass</td>
</tr>
</tbody>
</table>

**Quality Control Analysis and Specifications:**

**Functional PCR Assay for Flex Kit Reaction Mix (5X):** Detection of β-actin mRNA from 100 ng to 100 fg of total RNA. Coefficient of determination ($R^2$) ≥ 0.990 with a slope analysis between -3.20 and -3.70

Single bands visible at 6kb and 8kb from 35 cycles of PCR using 100 ng Oligo-dT cDNA

**β-actin SYBR Green qRT-PCR Assay for qScript Reverse Transcriptase:** Detection of β-actin mRNA from 100ng to 100fg of total RNA. Coefficient of determination ($R^2$) ≥ 0.990 with a slope analysis between -3.20 and -3.70

**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.

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