

Title:	Form – CV900038	Effective Date: 3/6/2025
		Revision: 1

**PRODUCTION AND GENERAL INFORMATION:**

<b>OTI SKU:</b>	CV900038S/L
<b>Product Description:</b>	AAV2 variant Y444F with CMV promoter-driven expression of GFP, >10 <sup>13</sup> GC/mL, 50 ul/100uL
<b>Lot #</b>	134FE08
<b>Biosafety Level:</b>	2
<b>Vector</b>	AAV2 variant Y444F and pAAV-CMV-GFP
<b>Insert SKU</b>	N/A
<b>Insert Gene ID</b>	N/A
<b>Clone ID</b>	N/A
<b>DNA Location</b>	N/A
<b>Parental Cell Line</b>	N/A
<b>Cell Culture Medium Composition</b>	N/A
<b>Cell Culture Condition</b>	N/A
<b>Antibiotic Selection</b>	N/A
<b>Production Scale</b>	From 4x15cm plates to make 500ul of 1x10 <sup>13</sup> GC/ml AAV particle
<b>Production SOP</b>	<ul style="list-style-type: none"> <li>SOP title: AAV Particle Production</li> <li>SOP location: S:\Molecular-Biology\SOPs\SOP-MolBio-Restricted</li> </ul>
<b>Production &amp; QC batch files</b>	<ul style="list-style-type: none"> <li>Folder location: M:\AAV productions\2025\infection QC</li> <li>Check production and QC data under the name of AAV2 Variant Y444F.</li> </ul>

**QC TESTING METHODS AND RESULTS:**

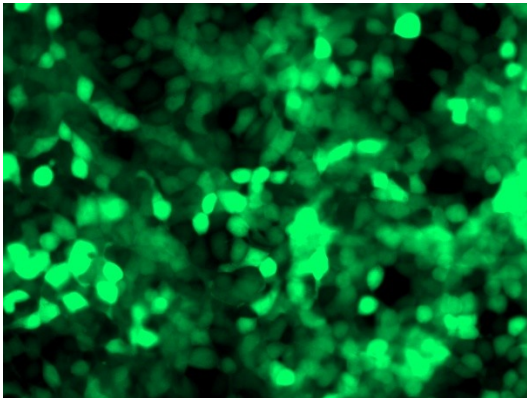
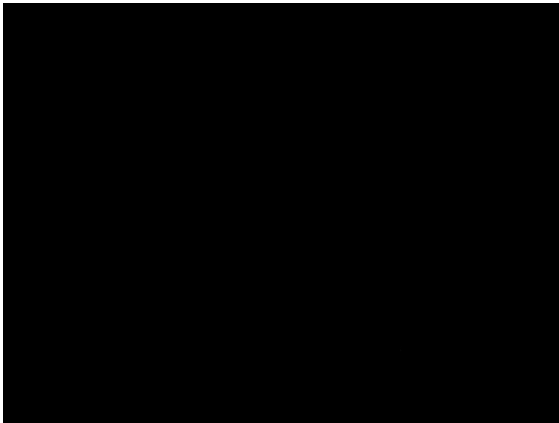
<b>OTI SKU:</b>	CV900038S/L
<b>Lot #</b>	134FE08
<b>Clone ID</b>	N/A
<b>DNA Location</b>	N/A
<b>DNA Prep Method</b>	N/A
<b>DNA Concentration</b>	N/A
<b>DNA Volume</b>	N/A
<b>DNA Sequencing</b>	<ul style="list-style-type: none"> <li>File name: N/A</li> <li>File location: N/A</li> </ul>



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<b>Western blotting QC</b>	N/A
<b>Virus Titer</b> Criteria: $>1 \times 10^8$ TU/ml. Result: $1 \times 10^9$ TU/ml, Pass.	<ul style="list-style-type: none"><li>• Method: qPCR</li><li>• Titer: <math>7.4 \times 10^{13}</math> GC/ml (Criteria: <math>&gt;1 \times 10^{13}</math> GC/ml; Result: <math>7.4 \times 10^{13}</math> TU/ml, Pass)</li></ul>
<b>Virus Volume</b>	500ul

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<p><b>Viral Transduction QC</b></p> <p>Criteria:</p> <p>1. &gt;50% RFP<sup>+</sup> in HEK293T cells. Result: &gt;80% RFP<sup>+</sup>. Pass.</p> <p>2. No GFP expression. Result: No GFP expression. Pass.</p>	<p>Example photos:</p>  <p>GFP image (20x). High GFP expression levels and high transduction efficiency were observed. (Criteria: &gt;50% GFP<sup>+</sup> in HEK293T cells; Result: &gt;80% GFP<sup>+</sup>, Pass)</p>  <p>RFP image (10x). No RFP contamination was detected. (Criteria: No RFP expression; Result: No RFP expression, Pass)</p>
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**LINKS TO COMPETITOR'S PRODUCTS:**

**AUTHORIZATION AND APPROVAL:**

<b>Process Parameter Form Prepared by</b>	Mao Fu	Date: 1/03/25
<b>Manufactured by</b>	Julian Heller, Brian Park, and Laily Jaghori	
<b>QC by</b>	Julian Heller, Brian Park, Laily Jaghori, and Mao	

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<b>Approved by R&amp;D Head</b>	
<b>Approved by Marketing Head</b>	
<b>Approved by PD Head</b>	