Title:	Form – CV900039	Effective Date: 3/26/2025 Revision: 1

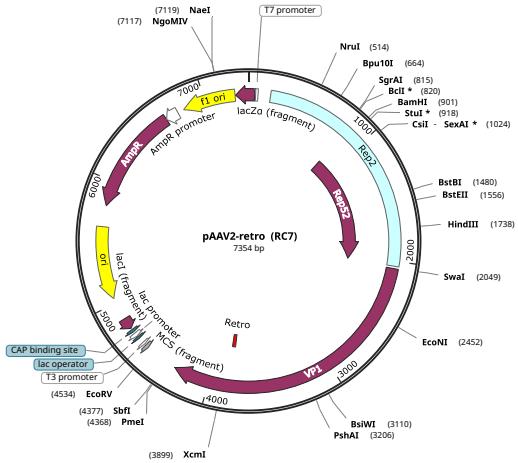
PRODUCTION AND GENERAL INFORMATION:

OTI SKU:	CV900039S/L
Product Description:	AAV2-retro with CMV promoter-driven expression of GFP, >10^13 GC/mL, 50 ul/100uL
Lot #	134FE62
Biosafety Level:	1
Vector	AAV2-retra and pAAV-CMV-GFP
Insert SKU	N/A
Insert Gene ID	N/A
Clone ID	N/A
DNA Location	N/A
Parental Cell Line	N/A
Cell Culture Medium Composition	N/A
Cell Culture Condition	N/A
Antibiotic Selection	N/A
Production Scale	From 4x15cm plates to make 500ul of $1x10^{13}$ GC/ml AAV particle
Production SOP	• SOP title: AAV Particle Production • SOP location: S:\Molecular-Biology\SOPs\SOP-MolBio-Restricted
Production & QC batch files	• Folder location: M:\AAV productions\2025\infection QC • Check production and QC data under the name of AAV2-retro (RC7).

QC TESTING METHODS AND RESULTS:

OTI SKU:	CV900039S/L
Lot #	134FE62
Clone ID	N/A
DNA Location	N/A
DNA Prep Method	N/A
DNA Concentration	N/A
DNA Volume	N/A
DNA Sequencing	• File name: N/A • File location: N/A

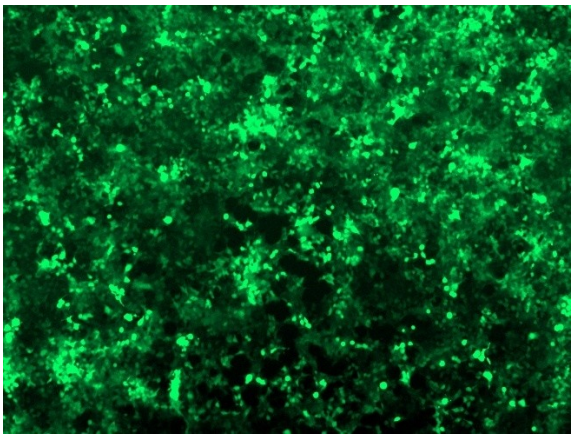
Title:	Form – CV900039	Effective Date: 3/26/2025 Revision: 1

DNA Sequence file	• File name: N/A • File location: N/A
DNA Construct Map	
Restriction Mapping	• File name: N/A • File location: N/A • Gel image: N/A

Title:	Form – CV900039	Effective Date: 3/26/2025 Revision: 1

Western blotting QC	N/A
Virus Titer Criteria: >1x10^{8} TU/ml. Result: 1x10^{9} TU/ml, Pass.	• Method: qPCR • Titer: 7.03x10^13 GC/ml (Criteria: >1x10^{13} GC/ml; Result: 7.03x10^{13} TU/ml, Pass)
Virus Volume	500ul

Title:	Form – CV900039	Effective Date: 3/26/2025 Revision: 1

Viral Transduction QC Criteria: 1. >50% GFP$^+$ in HEK293T cells. Result: >80% RFP$^+$. Pass. 2. No RFP expression. Result: No RFP expression. Pass.	Example photos:  GFP image (10x). High GFP expression levels and high transduction efficiency were observed. (Criteria: >50% GFP$^+$ in HEK293T cells; Result: >80% GFP$^+$, Pass)  RFP image (10x). No RFP contamination was detected. (Criteria: No RFP expression; Result: No RFP expression, Pass)

LINKS TO COMPETITOR'S PRODUCTS:

AUTHORIZATION AND APPROVAL:

Title:	Form – CV900039	Effective Date: 3/26/2025 Revision: 1

Process Parameter Form Prepared by	Mao Fu Date: 1/03/25
Manufactured by	Yan Ma, Julian Heller, Brian Park, and Laily Jaghori
QC by	Brian Park, Laily Jaghori, and Mao
Approved by R&D Head	
Approved by Marketing Head	
Approved by PD Head	