

Certificate of Analysis

Product Name	rAAV9
Vector information	ssAAV-CMV-EGFP-WPRE-SV40pA
Batch Number	PTB006-GTPD-DS230831-01
Specification	50µl/Vial
Production date	2023-08-31
Storage Condition	Store at -80°C
Expiration Date	2024-08-30
Storage Buffer	Virus formulated in 10mM Tris buffer supplemented with 100mM sodium citrate and 0.001% poloxamer 188 (pH8.0)

The product is functionally tested for optimum performance using the following tests:

Titer Determination	
The titer was determined by the quantitative PCR (qPCR) method. Viral DNA was extracted from viral particles. The EGFP sequence of AAV8 was used as a target to quantify the amount of viral genome.	
Specification: $>10^{13}$ vg/ml	Result: 1.29×10^{13} vg/ml
Virus Purity	
Viral purity was determined by SDS-PAGE followed by silver staining.	
Specification: Report	Result: 84.6%
Full Capsid Ratio	
The full capsid ratio was determined by the AUC method.	
Specification: Report	Result: 81.84%
Endotoxin	
Endotoxin was determined by LAL.	
Specification: <10 EU/ml	Result: <2 EU/ml



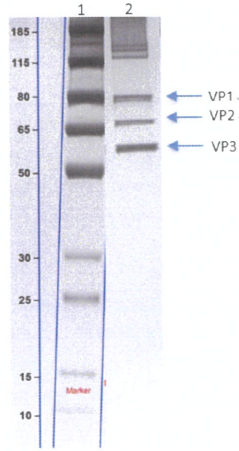


Figure 1. SDS-PAGE picture (lane1: marker, lane2:sample)

Note: Stray bands between 115KD and 185 KD are also included in the purity calculation



Reporter	Kathy. uu	Reviewer	<i>[Signature]</i>	Auditor	<i>[Signature]</i>
Date	2023-09-26	Date	2023-09-27	Date	2023.09.27