PORTON ADVANCED

Certificate of Analysis

Product Name	rAAV2
Vector information	ssAAV-CMV-EGFP-WPRE-SV40pA
Batch Number	PTB006-GTPD-DS230804-01
Specification	50μl/Vial
Production date	2023-08-04
Storage Condition	Store at -80℃
Expiration Date	2024-08-03
Storage Buffer	Virus formulated in10mM 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 AAV2 was used as a target to quantify the amount of viral genome.	
Specification: >10^{13} vg/ml	Result: 1.44x10^{13} vg/ml
Virus Purity Viral purity was determined by SDS–PAGE followed by silver staining.	
Specification: >80% Pure	Result: 92.20%
Full Capsid Ratio The full capsid ratio was determined by the AUC method.	
Specification: >70%	Result: 90.11%
Sterility Test Bacteria and fungi were detected by rapid sterility test. The virus sample was inoculated into a culture medium 5 days and detected by BD BACTEC FX40 to detect bacterial and fungal growth.	
Specification: Negative	Result: Pass
Mycoplasma Test Through a DNA extraction kit, the mycoplasma DNA in the sample was purified, and the sample was amplified and detected by the qPCR method. Whether there was mycoplasma contamination in the sample was determined by qPCR.	
Specification: Negative	Result: Pass
Endotoxin Endotoxin was determined by LAL	
Specification: <10 EU/ml	Result: < 2EU/ml

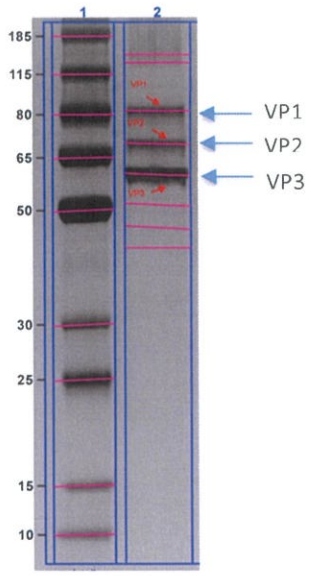

Figure 1. SDS-PAGE picture (lane1: marker, lane2: sample)

Reporter Date	Kathy 2023-09-01	Reviewer Date	 2023-09-04	Auditor Date	 2023.09.04