



GENEMEDI

Innovative Solution
for Therapeutics & Diagnostics Industry



Gene Therapy Solution Product Catalogue 2026

PurProX™

PurProX™ AAVPure Affinity Resin

PurProX™ AAVPure Pre-packed Affinity Column

PurProX™ AAVEasy rapid-to-purify Spin Column

TrueX™

TrueX™ - ONE Universal AAV Titration Kit

TrueX™ - UNIQ Serotype-Specific AAV Titration Kit

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Vector:

INDKan™ Industry-Used AAV Vector System

GM Multi-Serotype AAV Vector System

GM Promise™ ORF Viral Library

Part 2 Platform & Service

GVC QbD Platform for Viral vectors Processes Development & Manufacturing

G-NEXT™ Novel AAV discovery and rational evolution platform

TransEx™ DNA Rapid Preparation Service

PurProX™ AAV Purification Solution



PurProX™ AAVPure Affinity Resin

Cat.No: GMV-PurProX-AAVPure-U-1/2

GeneMedi PurProX™ AAVPure Affinity Resin provide high-performance AAV purification.
U-1: resin broadly targets serotypes like **AAV2/5/6/8/DJ/7m8** (with weaker binding for **AAV9** compared with other AAV serotypes)
U-2: is specialized for high-affinity **AAV9** binding.



PurProX™ AAVPure Pre-packed Affinity Column

Cat.No: GMV-PurProX-AAVPure-U-1/2-P

GeneMedi's 0.5mL PurProX™ AAVPure Pre-packed Affinity Column provide a convenient, ready-to-use solution for researchers evaluating our AAV purification resin or performing small-scale AAV vector purification.



PurProX™ AAVEasy rapid-to-purify Spin Column

Cat.No: GMV-PurProX-AAVEasy-U-1/2-10T

Based on **PurProX™ AAVPure Affinity Resin**, AAVEasy rapid-to-purify Spin Columns provide a rapid, equipment-free solution for small-scale AAV purification, delivering high-purity viral vectors in just 30 minutes.

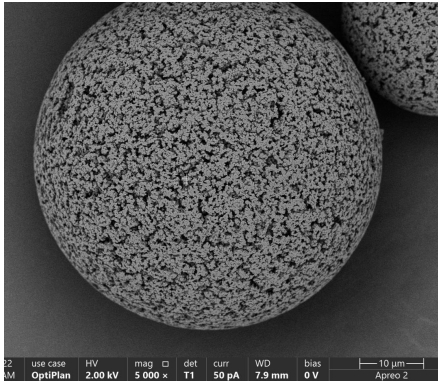
Product list for PurProX™ AAV Purification Solution

Product Type	Cat No	Product Name	Serotype	Size
AAV Affinity Resin	GMV-PurProX-AAVPure-U-1	PurProX™ AAVPure Affinity Resin-1	AAV2, AAV5, AAV6, AAV8, AAV-DJ, and AAV-7m8	10 mL, 25 mL, 50 mL, 250 mL, 1 L, 5 L, 10 L
AAV Affinity Resin	GMV-PurProX-AAVPure-U-2	PurProX™ AAVPure Affinity Resin-2	AAV9	10 mL, 25 mL, 50 mL, 250 mL, 1 L, 5 L, 10 L
Pre-packed Column	GMV-PurProX-AAVPure-U-1-P	PurProX™ AAVPure Pre-packed Column-1	AAV2, AAV5, AAV6, AAV8, AAV-DJ, and AAV-7m8	1mL, 5mL
Pre-packed Column	GMV-PurProX-AAVPure-U-2-P	PurProX™ AAVPure Pre-packed Column-2	AAV9	1mL, 5mL
Spin Column (10 tests)	GMV-PurProX-AAVEasy-U-1-10T	PurProX™ AAVEasy Spin Column-1	AAV2, AAV5, AAV6, AAV8, AAV-DJ, and AAV-7m8	10T
Spin Column (10 tests)	GMV-PurProX-AAVEasy-U-2-10T	PurProX™ AAVEasy Spin Column-2	AAV9	10T

PurProX™ AAVPure Affinity Resin

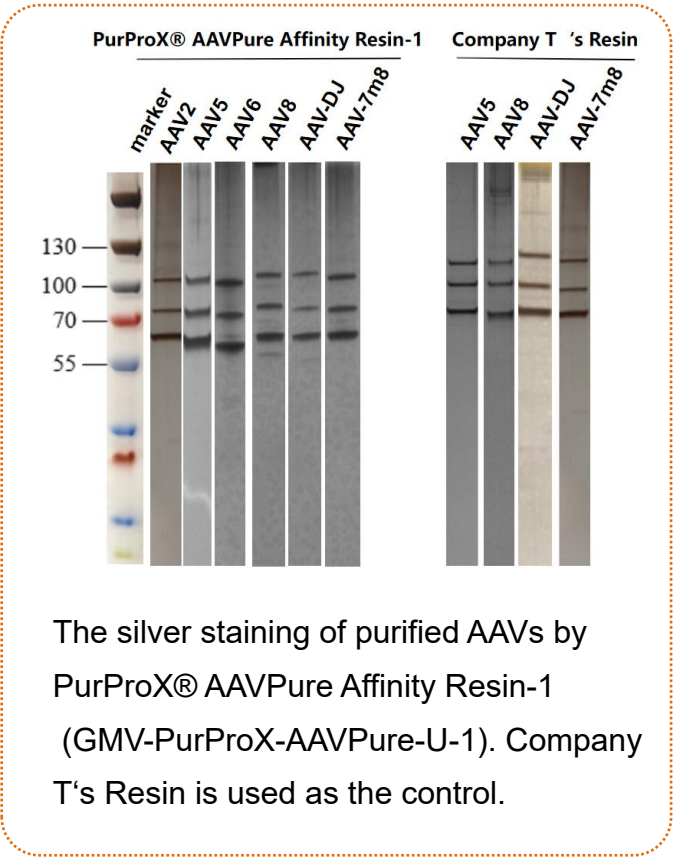


- High-efficiency and reproducibility
- Specificity for intact AAV particle
- >3e14 VP/mL resin
- Lower cost

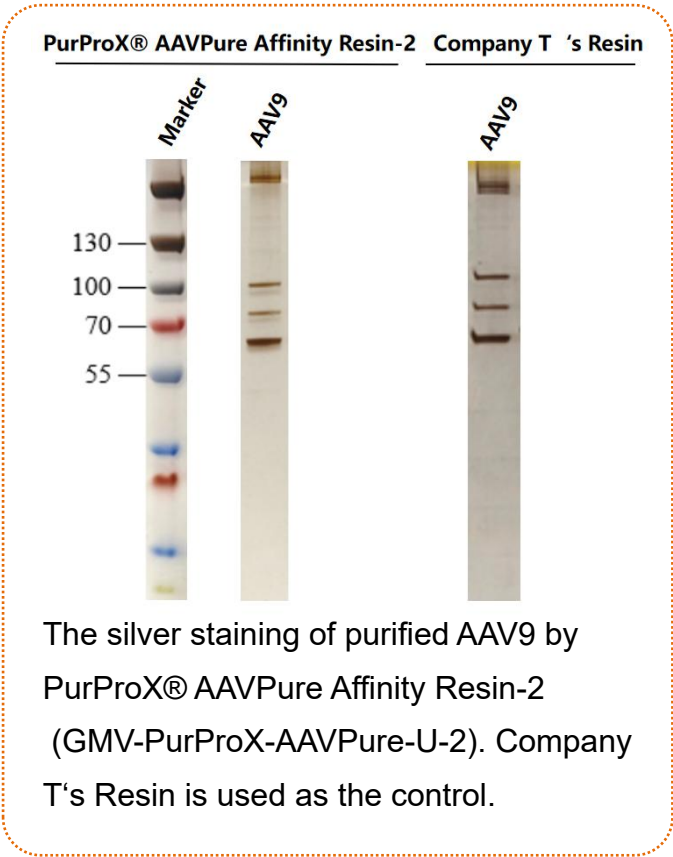


Serotype	Initial AAV (vg)	Purified AAV (vg)	Recovery Rate (%)
AAV2	5.72E+12	5.19E+12	90.73
AAV5	3.36E+13	3.13E+13	93.15
AAV6	8.28E+12	7.73E+12	93.36
AAV8	1.33E+13	1.33E+13	93.67

PurProX® AAVPure Affinity Resin-1 for AAV Serotype 2, 5, 6,8, DJ, and 7m8 Purification



PurProX® AAVPure Affinity Resin-2 Designed for AAV9 Purification



Part 1 Solution for Gene Therapy Development

PurProX™ AAVEasy rapid-to-purify Spin Column

Cat.No: GMV-PurProX-AAVEasy-U-1/2-10T



Easy Spin-Purification
Ultracentrifugation-FREE



Serotype All-in-One
One solution for Most AAV serotypes



High Recovery Rate
>90% AAV recovery



Easy-Handling
within 30 min



High throughput
Dozens of samples purified at once

PurProX® AAVEasy Purification Process

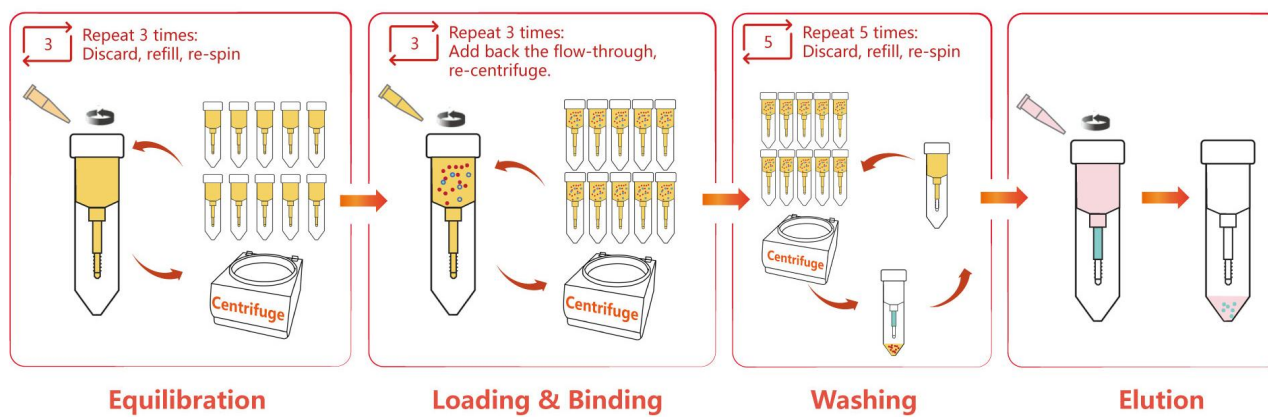


Equilibration/Loading Buffer



Elution Buffer

● AAV ● Other particles

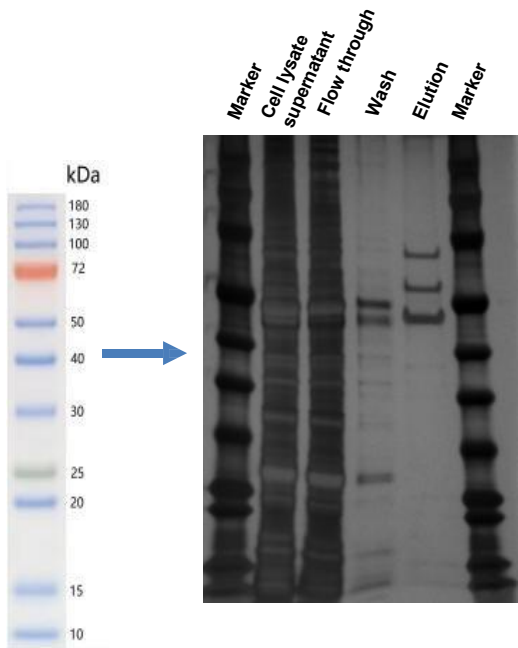


PurProX™ AAVEasy rapid-to-purify Spin Column

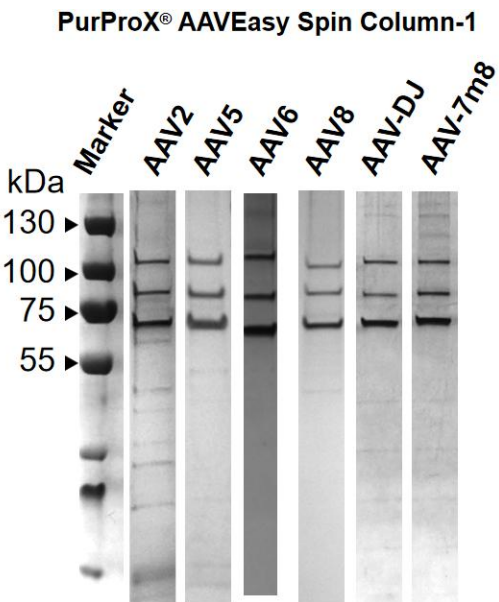
AAV5 Purification by PURPROX™ AAVEasy

Handling Time: 29 min

Recovery Rate: 95.43%

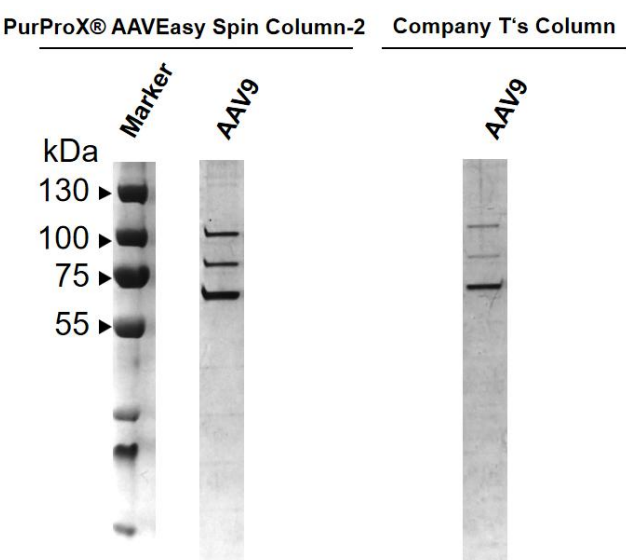


PurProX® AAVEasy Spin Column-1 for AAV Serotype 2, 5, 6, 8, DJ, and 7m8 Purification



The silver staining of purified AAVs by PurProX® AAVEasy Spin Column-1 (GMV-PurProX-AAVEasy-U-1).

PurProX® AAVEasy Spin Column-2 Designed for AAV9 Purification



The silver staining of purified AAVs by PurProX® AAVEasy Spin Column-2 (GMV-PurProX-AAVEasy-U-2). Company T's Column is used as the control.

TrueX™ AAV Titration & Quantification Solution



TrueX™ - ONE Universal AAV Titration Kit (ELISA)

Cat.No: GMV-TrueX-ELISA-U-1

GeneMedi's TrueX™ - ONE Universal AAV Titration Kit represents a breakthrough in AAV vector quantification, offering researchers unparalleled convenience for multi-serotype detection in a single ELISA. This innovative kit is specifically designed to simultaneously detect and quantify major AAV serotypes (AAV2, 5, 6, 8, and 9) without the need for serotype-specific reagents.



TrueX™ - UNIQ AAV Serotype-Specific AAV Titration Kit (ELISA)

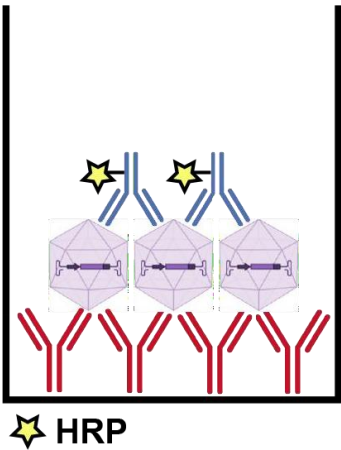
Cat.No: GMV-TrueX-ELISA-2/5/6/8/9-1

For applications demanding the highest specificity, GeneMedi's TrueX™ -UNIQ Serotype-Specific AAV Titration Kits provide antibody-matched detection systems for each individual AAV serotype (available for AAV2, 5, 6, 8, and 9). These kits offer the most accurate quantification for researchers requiring precise serotype-specific measurements.

Product list for TrueX™ AAV Titration & Quantification Solution

Product Type	Cat No	Product Name	Size
Universal	GMV-TrueX-ELISA-U-1-96	TrueX™-ONE Universal AAV Titration	1 plate/2 plate/5 plate/10 plates (96 wells)
AAV2 Specific	GMV-TrueX-ELISA-2-1-96	TrueX™-UNIQ AAV2 Serotype Specific Titration Kit (ELISA)	1 plate/2 plate/5 plate/10 plates (96 wells)
AAV5 Specific	GMV-TrueX-ELISA-5-1-96	TrueX™-UNIQ AAV5 Serotype Specific Titration Kit (ELISA)	1 plate/2 plate/5 plate/10 plates (96 wells)
AAV6 Specific	GMV-TrueX-ELISA-6-1-96	TrueX™-UNIQ AAV6 Serotype Specific Titration Kit (ELISA)	1 plate/2 plate/5 plate/10 plates (96 wells)
AAV8 Specific	GMV-TrueX-ELISA-8-1-96	TrueX™-UNIQ AAV8 Serotype Specific Titration Kit (ELISA)	1 plate/2 plate/5 plate/10 plates (96 wells)
AAV9 Specific	GMV-TrueX-ELISA-9-1-96	TrueX™-UNIQ AAV9 Serotype Specific Titration Kit (ELISA)	1 plate/2 plate/5 plate/10 plates (96 wells)

TrueX™ -ONE Universal AAV Titration Kit (ELISA)



Serotype	Detection Range
AAV2	3E8-5E9 capsids/ml
AAV5	2E8-5E9 capsids/ml
AAV6	3E8-5E9 capsids/ml
AAV8	2E8-5E9 capsids/ml
AAV9	2E8-3E9 capsids/ml



One for All
serotypes



Easy-Handling
ELISA



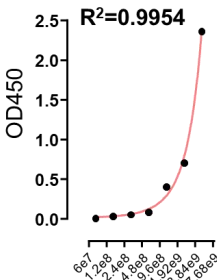
Wider Linear



Batches-stable

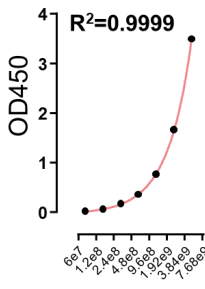
AAV2

VP/ml	OD450
5.00E+09	2.3746
2.50E+09	0.7214
1.25E+09	0.4221
6.25E+08	0.1007
3.13E+08	0.0692
1.56E+08	0.0515
7.81E+07	0.0227
0	0.0154



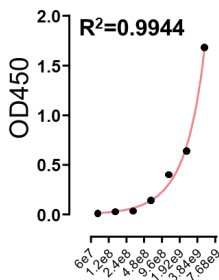
AAV5

VP/ml	OD450
5.00E+09	3.5061
2.50E+09	1.6784
1.25E+09	0.7824
6.25E+08	0.3744
3.13E+08	0.1884
1.56E+08	0.0846
7.81E+07	0.0431
0	0.0148



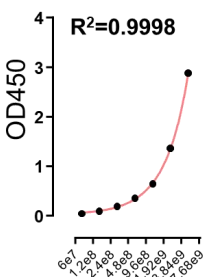
AAV6

VP/ml	OD450
5.00E+09	1.6914
2.50E+09	0.6537
1.25E+09	0.4145
6.25E+08	0.157
3.13E+08	0.0486
1.56E+08	0.044
7.81E+07	0.0259
0	0.0131



AAV8

VP/ml	OD450
5.00E+09	2.8911
2.50E+09	1.3735
1.25E+09	0.6549
6.25E+08	0.3676
3.13E+08	0.2005
1.56E+08	0.1048
7.81E+07	0.0588
0	0.0147



AAV9

VP/ml	OD450
5.00E+09	3.3877
2.50E+09	1.8367
1.25E+09	0.9216
6.25E+08	0.4082
3.13E+08	0.2366
1.56E+08	0.1217
7.81E+07	0.0607
0	0.0114

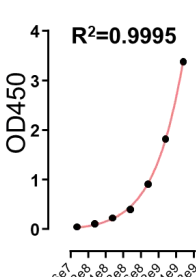
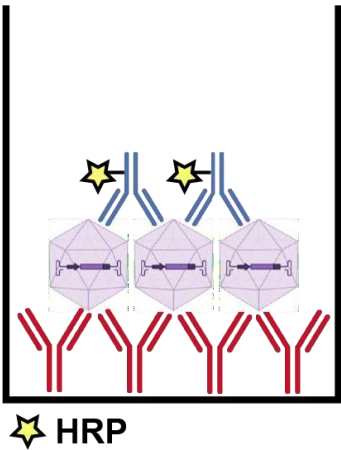


Figure legend:

The titration curve of the indicated AAV by using the relative AAV titration kit.



TrueX™ -UNIQ Serotype-Specific Titration Kit (ELISA)



Serotype	Linear Range
AAV9	8.23E6-2.00E9 capsids/ml
AAV8	1.38E7-8.82E8 capsids/ml
AAV5	8.22E6-2.00E9 capsids/ml



More Sensitive



Easy-Handling ELISA



Wider Linear



Batches-stable

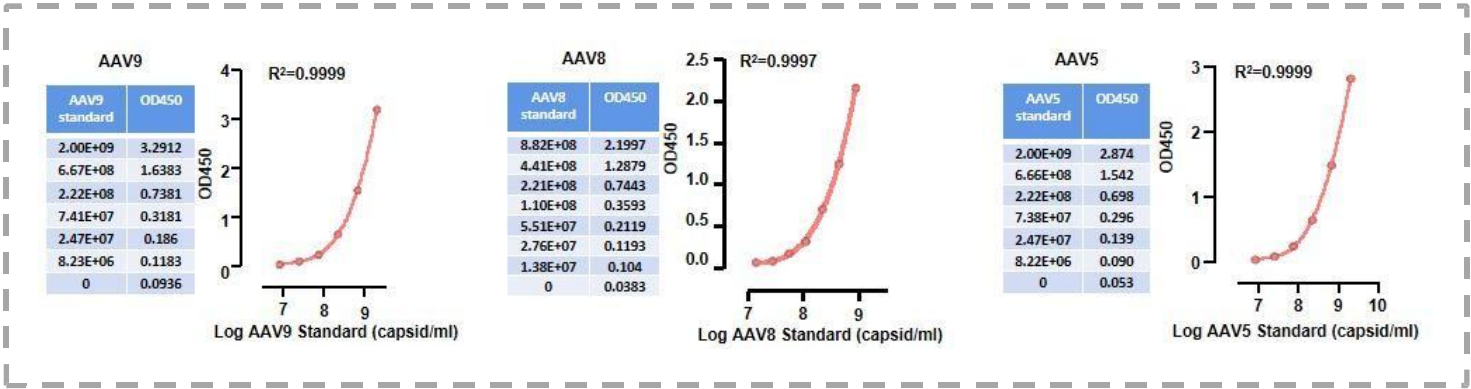


Figure legend: The titration curve of the indicated AAV by using the relative AAV titration kit.

Part 1 Solution for Gene Therapy Development

GM Multi-Serotype AAV Vector System (Amp and Kanamycin)

Serotype list of AAV Rep-Cap plasmids

GeneMedi offers both Ampicillin (Amp) resistance and Kanamycin (Kan) resistance for the AAV Rep-Cap Plasmids.

Common Serotypes	AAV1, AAV2, AAV4, AAV5, AAV6, AAV6.2, AAV6.2FF, AAV8, AAV9, AAV-Rh.10, AAV-DJ, AAV-Retro (Retrograde), AAV-PHP.B, AAV-PHP.eB, AAV-PHP.S, AAV-BR1, AAV-2i8, AAV-SIG, AAV-VEC.
AAV2 Variants	AAV2 variant (Y444F), AAV2 variant (Y272F, Y444F, Y500F, Y730F), AAV2 variant (Y444F, Y730F, Y500F, Y272F, Y704F, Y252F), AAV2 variant (AAV2.7m8).
AAV8 Variants	AAV8-1m, AAV8-2m, AAV8 variant (Y733F, Y447F, Y275).
MyoAAV Series	AAV-MyoAAV1A, AAV-MyoAAV2A, AAV-MyoAAV3A, AAV-MyoAAV4A, AAV-MyoAAV4E.
Other Specialized Variants	AAV-Anc80, AAV-rh74., AAV-LK03

GeneMedi (GM) AAV Vector system is including: 1) AAV Rep-Cap plasmid 2) AAV Helper plasmid 3) AAV expression vectors (overexpression or shRNA).

You can produce AAV particle in 293T cell line in high titer using GeneMedi's AAV Rep-Cap plasmid with GM's AAV expression vector (overexpression or shRNA) and AAV helper plasmid.

For example:

AAV1 Vector System :

1. AAV1 Rep-Cap Plasmid,
2. AAV Helper Plasmid,
3. pGMAAV-CMV-MCS-T2A-ZsGreen (P-AAVV-B01)

List of AAV expression plasmids

Promoters	CMV, CAG, hSyn, CamKII, GFAP, cTNT, TBG, U6, EF1, EF1a
Reporter	EGFP, eRFP, hrGFP, luc, LUCi, mCherry, tdTomato, ZsGreen
Tag	3FLAG(C-terminal)

For more choices, you can click here to check:

<https://www.genemedi.net/i/aav-expression-vector-list>

TransEx™ DNA Rapid Preparation Service

Service Grades:

Research Grade
Endotoxin-Free Grade
High Quality (HQ) Grade

Faster

The production will be within 1 week.

High-efficiency

Good for proteins, antibodies, viral vector production

High-quality

Strict adherence to standard operating procedures

Cost-effective

Good value for the money spent

Products:

- AAV vector system (AAV expression system, AAV packaging plasmid system)

Serotype: AAV1, AAV2, AAV2, AAV2 variant (Y444F), AAV2 variant (Y272F, Y444F, Y500F, Y730F), AAV2 variant (Y444F, Y730F, Y500F, Y272F, Y704F, Y252F), AAV2.7m8, AAV5, AAV6, AAV8, AAV8-1m, AAV8-2m, AAV8-3m, AAV9, AAV-Rh10, AAV-DJ, AAV-DJ8, AAV2-Retro(Retrograde), AAV-PHP.B, AAV-PHP.eB, AAV-PHP.S, AAV-BR1, AAV-VEC, AAV-2i8, AAV-SIG, AAV4, AAV6.2, AAV6.2FF, MyoAAV 1A, MyoAAV 2A, MyoAAV 3A, MyoAAV 4A, MyoAAV 4E, AAV-Anc80, AAV-rh74, AAV-LK03

- Adenovirus expression vectors (adenovirus expression plasmids)

- Lentivirus vector system

Including PMD2G(Cat No.: P-ALV-C01), pSPAX2(Cat No.: P-ALV-C02) and other expression vector

- Promise-ORF™ viral CDNA library

More than 60, 000 pre-made CDNA/ORF viral plasmids and viral particles in Lentivirus, Adenovirus and AAV

Validation

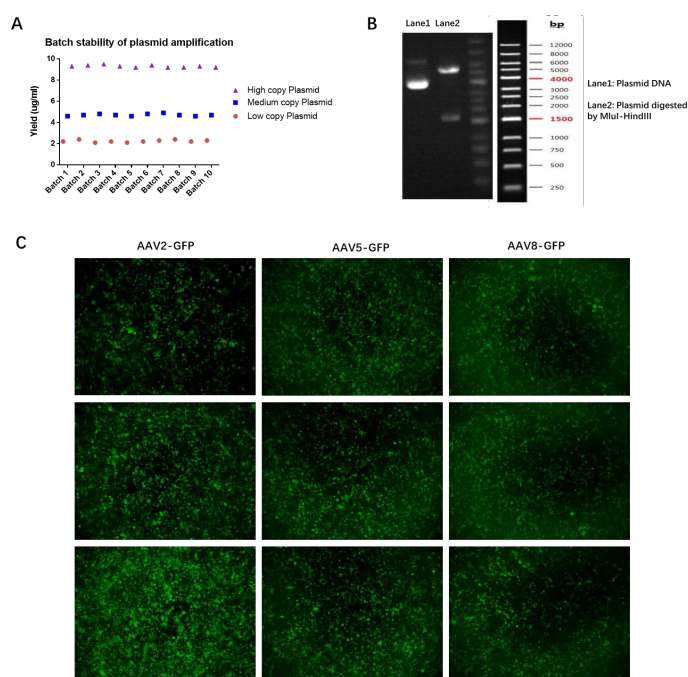


Figure. GeneMedi's plasmid amplification service ensures consistent, high-quality plasmid preparation with excellent batch stability, purity, and vector potency.

A, Plasmid yield stability across low, medium, and high-copy number plasmids.

B, PAGE gel showing plasmid purity, with ≥90% supercoiled content.

C, Green fluorescence image showing successful infection of 293 cells with AAV2, AAV5, and AAV8 viruses.

GM AAV packaging services

Platform	AAV Manufacturing Capacity	AAV9 Yield	AAV8 Yield	AAV5 Yield	AAV2 Yield	AAV PHPeB Yield
293T suspension cells	~ 20L	4.7E+13VG/L	1.9E+13VG/L	2.3E+13VG/L	5.4E+12VG/L	1.1E+13VG/L
<div><div>All common-used serotypes: AAV1, AAV2, AAV5, AAV6, AAV8, AAV9, AAVrh10, AAV-DJ, AAV.PHP, AAV-Anc80 etc.</div><div>ssAAV, scAAV</div><div>Customized AAV capsid and vectors</div></div>						

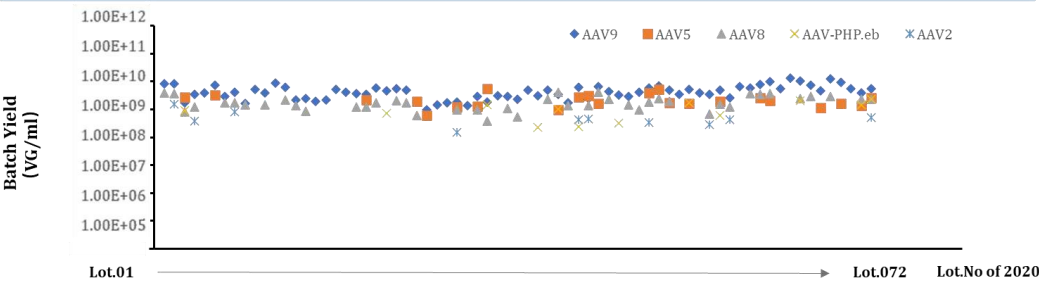


Figure 1: Consistent AAV Production Platform With High Yield.

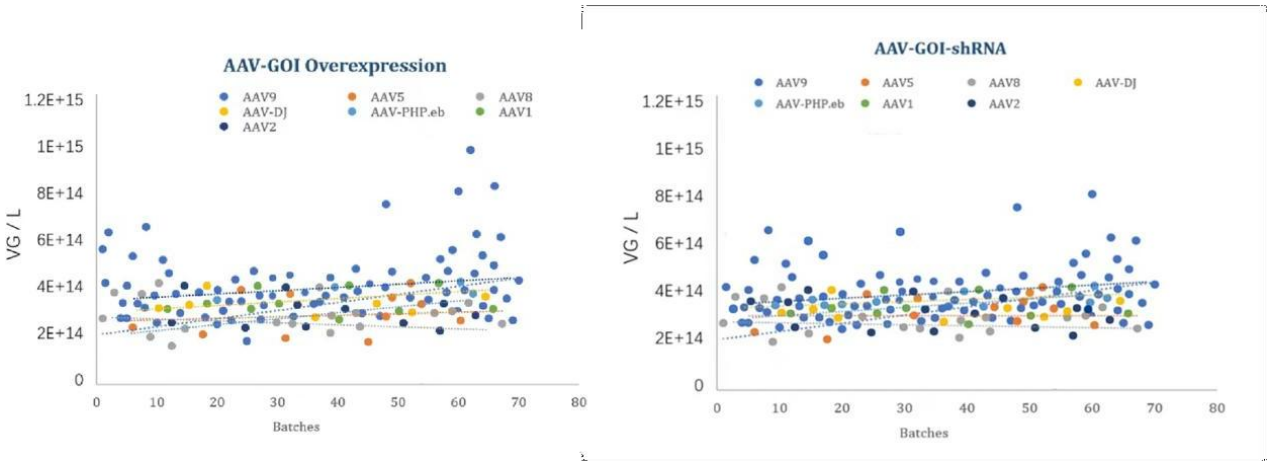
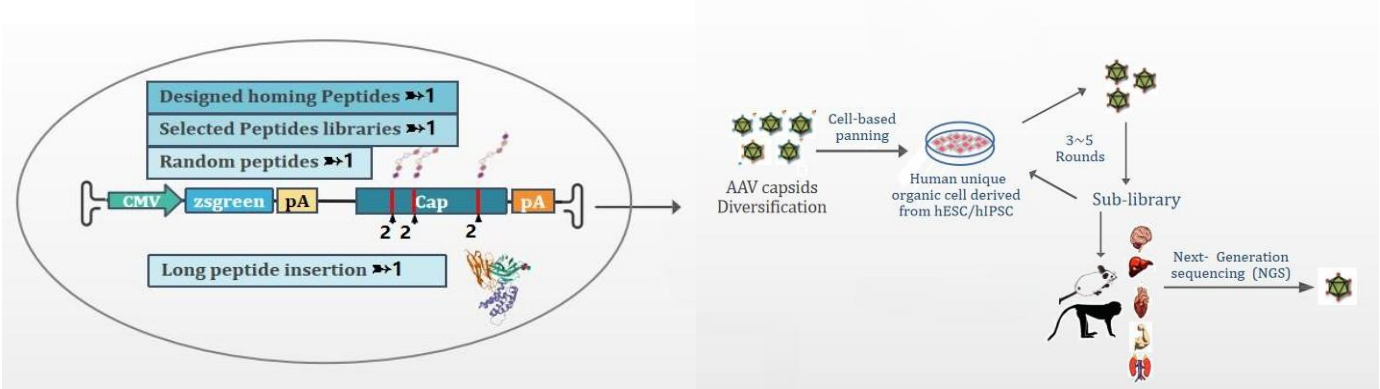


Figure 2: Manufacturing Batch Stability of Different AAV Serotypes

G-NEXT - Novel AAV Development Platform

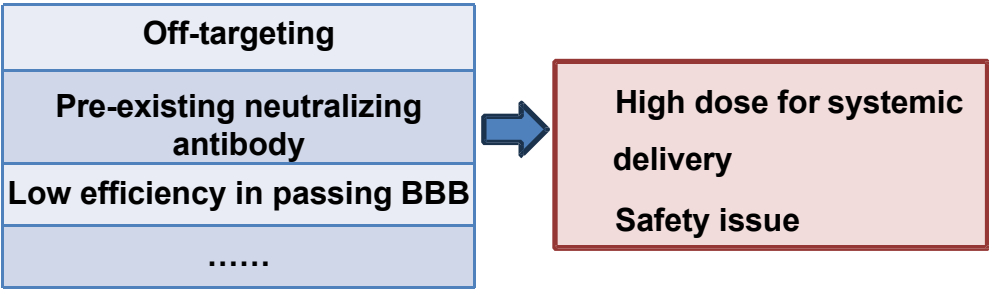


Strategy of G-NEXT™ AAV Development

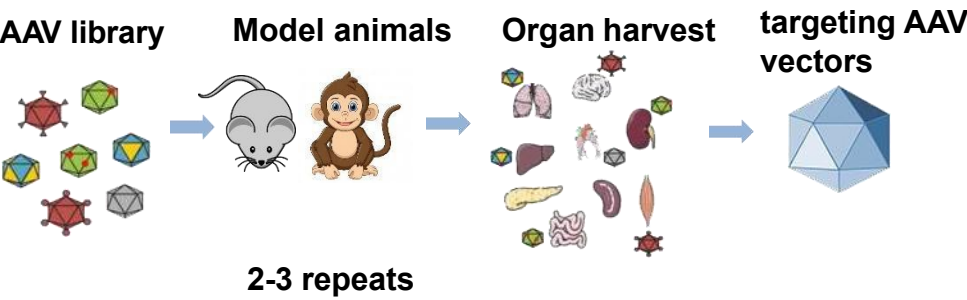
G-NEXT™ combines AAV biology, hiPSC models, structure-based engineering, and high-throughput manufacturing to advance the development of the next generation of AAV-based therapies.

Rational novel targeting AAV development

Drawbacks in conventional AAV vectors



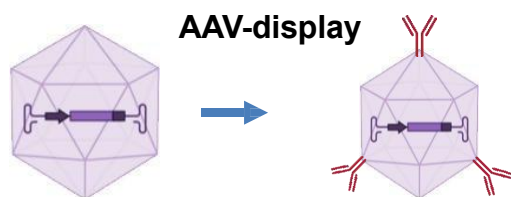
Traditional development of targeting AAV vectors



Animal model cannot fully simulate human organs
Highly random
Heavy workload

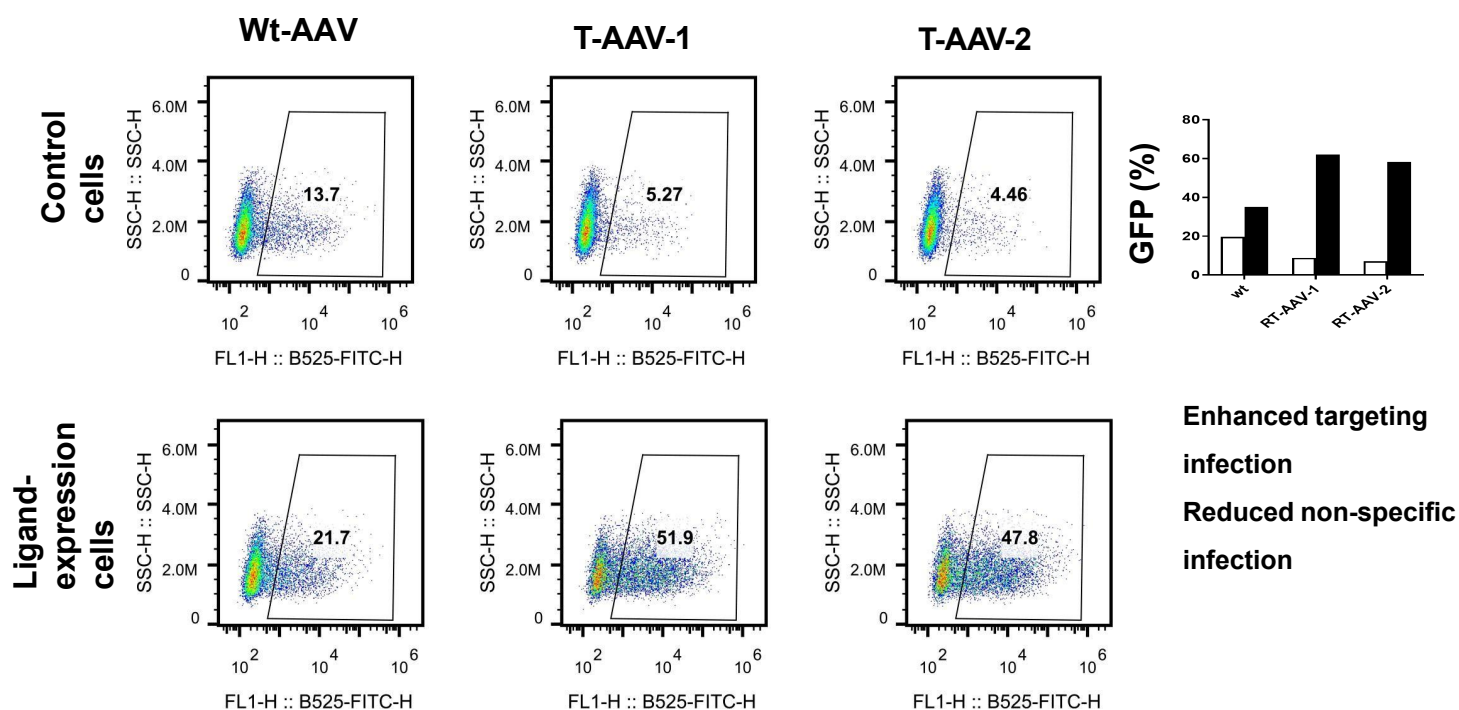
Rational novel targeting AAV development

Rational novel targeting AAV development



Ligand-receptor mediated infection
Modified surface of AAV partical
Modular construction
Easily extensible in targeting

Higher targeting efficacy compare with wt-AAV



Enhanced targeting infection
Reduced non-specific infection

GM Promise™ ORF Viral Library

Discover the largest collection of ORF/cDNA expression clones from different species, including human, mouse, rat, and more with GeneMedi's Promise™-ORF. Our collection of ORFs expression clones come in verified mammalian or viral vectors (lentivirus, AAV, and adenovirus) and our Promise™-ORF viral-ready expression vectors make it easy for you to improve viral vector packaging efficiency or directly transfect mammalian cells, resulting in stronger and easier expression detection.

Product List [Click Here](#)

Home / Gene Therapy products

Promise-ORF™ viral CDNA library: Sequence-verified ORF/CDNA clones in lentivirus (lentiviral ORF clones), AAV, adenovirus and mammalian expression vectors.

Promise-ORF™

Discover the largest collection of ORF/cDNA expression clones from different species, including human, mouse, rat, and more with GeneMedi's Promise-ORF™. Our collection of ORFs expression clones come in verified mammalian or viral vectors (lentivirus, AAV, and adenovirus) and our Promise-ORF™ viral-ready expression vectors make it easy for you to improve viral vector packaging efficiency or directly transfect mammalian cells, resulting in stronger and easier expression detection.

gene id, gene name or alias, accession number(NM), Cat#

Product Type: Please Select

Catalog No.	Product Name	Gene Name & ...	Species	Accession Nu...	Marker	Fusion Tag	Promoter	Type	Detail
pGMLP000001	Human PEG10 Lentivirus plasmid	PEG10;EDR,HB-1,Mar2,Mart2,MEF	Human	NM_001040152	ZsGreen	3xflag (C-Terminal)	CMV	Lentivirus plasmid	Inquiry Details
pGMLP000002	Human SELENOM Lentivirus plasmid	SELENOM;SELM,SE	Human	NM_080430	ZsGreen	3xflag (C-Terminal)	CMV	Lentivirus plasmid	Inquiry Details
pGMLP000003	Human SELENOW Lentivirus plasmid	SELENOW;seIW,SEI	Human	NM_003009	ZsGreen	3xflag (C-Terminal)	CMV	Lentivirus plasmid	Inquiry Details

About GeneMedi

GeneMedi specializes in creating superior antibody, protein, and vector-based bioproducts, revolutionizing diagnostics and biologics solutions.



At GeneMedi, innovation, product integrity, and scalable solutions form the cornerstone of our mission to advance the field of diagnostics and biologics. Our portfolio of antibodies, proteins, and vector-derived products is built on a foundation of unparalleled expertise in the following areas:

Innovative Antigen Design and Robust Assay Development

Our strategic focus on biomarkers and target analysis enables the creation of highly specific antigens and the development of robust assays, ensuring our products achieve superior performance in clinical and research settings.



Streamlined Molecular Discovery with Emphasis on Stability

Rapid Protein & Antibody Identification: Our proprietary platforms, **TAURUS™** for accelerated antibody discovery and **LIBRA™** for AI-driven protein evolution, are designed to identify and optimize molecules with optimal stability and functionality.

Cutting-Edge AAV & GCT Discoveries: The **G-NEXT™** platform is our answer to the industry's need for innovative AAV vectors, offering improved stability, efficiency, and safety for groundbreaking gene therapy approaches.



Scalable Production and Uncompromising Quality

High-Volume Protein & Antibody Manufacturing: Our facilities are equipped to handle large-scale production of up to 1000L per batch, ensuring high levels of purity and stability through stringent quality controls.

Advanced Vector Manufacturing Capabilities: In GeneMedi Vector Core (**GVC**), with a focus on AAV, Lentivirus, and VLP production up to 200L per batch, we employ sophisticated purification techniques to guarantee vector efficacy and integrity.



Comprehensive Solutions for Diverse Application Needs

Diagnostics: Our diagnostic solutions leverage **CLIA**, **LFA**, **ELISA** and unique **POCT** platforms for comprehensive assay validation and clinical sample consistency, setting new standards in diagnostic accuracy.

Biologics: We specialize in the development of industrial solutions in up/downstream for therapeutic antibodies, AAV gene therapy, and Cell therapy technologies, ensuring our products and solutions can improve specificity, potency, and safety in the therapeutic industry.



GeneMedi (GM) is dedicated to delivering innovative and scalable biotechnological solutions, driving forward the fields of diagnostics and therapeutics with confidence and expertise. Contact with GM to reach your reliable industrial partner.