

Adeno-Associated Virus (AAV) Packaging

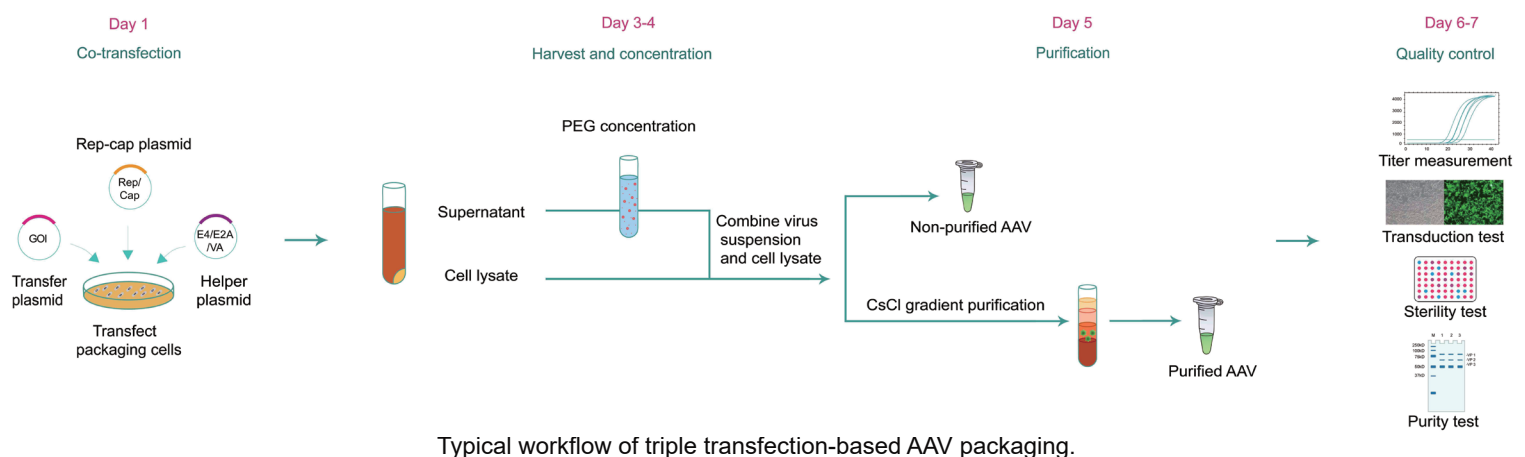
VectorBuilder offers superior quality AAV packaging services to support your AAV-based gene therapy experiments. We have developed a series of proprietary technologies and reagents that have greatly improved recombinant AAV production protocols in terms of titer, purity, potency and consistency, especially for the AAV vector systems used in our vector cloning services.

Highlights

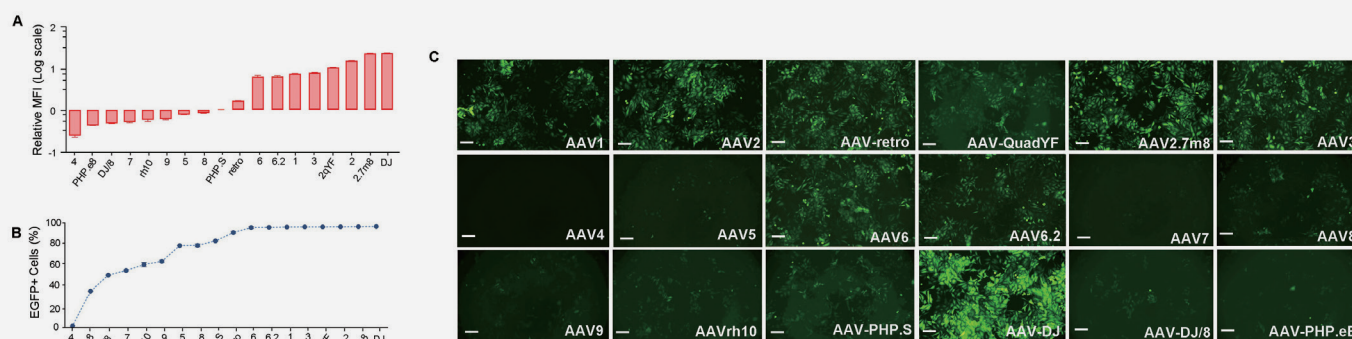
- Non-pathogenic in humans
- Low risk of host genome disruption
- High viral titer
- Broad tropism with availability of multiple serotypes
- Effective gene delivery both in vitro and in vivo

Types of AAV Offered

- Single-stranded AAV (ssAAV) and self-complementary AAV (scAAV)
- 18 serotypes: 1, 2, 3, 4, 5, 6, 6.2, 7, 8, 9, rh10, DJ, DJ/8, PHP.eB, PHP.S, AAV2-retro, AAV2-QuadYF and AAV2.7m8
- AAV empty capsids or virus-like particles (VLPs)



AAV Production and QC



HeLa cells were transduced with 18 serotypes of recombinant AAV packaged from the same CMV>EGFP vector (VB010000-9394npt). EGFP (A) Mean Fluorescence Intensity (MFI) and (B) positivity were quantified using flow cytometry 48 h post transduction. (C) Representative EGFP expression in different serotypes is shown as indicated. Scale bars: 100 µm.

Ordering Information

Price and Turnaround

Scale	Application	Titer	Volume	Price	Turnaround
Triple transfection-based AAV					
Pilot	Non-purified, suitable for most cell culture experiments	>2x10 ¹¹ GC/ml	250 ul (10x25 ul)	\$449	6-12 days
Medium			1 ml (10x100 ul)	\$649	
Large		>2x10 ¹² GC/ml	1 ml (10x100 ul)	\$1,099	
Ultra-purified pilot	Cell culture & in vivo	>10 ¹³ GC/ml	100 ul (4x25 ul)	\$1,399	7-14 days
Ultra-purified medium			500 ul (10x50 ul)	\$1,999	
Ultra-purified large			1 ml (10x100 ul)	\$3,099	
Ultra-purified large 5			5 ml (10x500 ul)	From \$9,899	14-21 days
Ultra-purified large 10			10 ml (10x1 ml)	From \$15,899	21-28 days
Other scales			Please inquire		
Baculovirus-based AAV					
Ultra-purified pilot	Cell culture & in vivo	>5x10 ¹³ GC/ml	1 ml (10x100 ul)	\$5,599	35-49 days
Ultra-purified medium			5 ml (25x200 ul)	\$20,199	35-49 days
Ultra-purified large			10 ml (50x200 ul)	\$38,199	35-49 days

Triple transfection-based AAV is offered for serotypes 1, 2, 3, 4, 5, 6, 6.2, 7, 8, 9, rh10, DJ, DJ/8, PHP.eB, PHP.S, AAV2-retro, AAV2-QuadYF & AAV2.7m8.

Baculovirus-based AAV is offered for serotypes 1, 2, 5, 6, 8 and 9.

Research plus grade AAV packaging

Scale	Application	Total yield (GC)	Price	Turnaround
Research-plus 1	Various in vitro and in vivo experiments	1x10 ¹³	From \$4,699	10-20 days
Research-plus 5		5x10 ¹³	From \$14,899	21-28 days
Research-plus 10		1x10 ¹⁴	From \$23,899	
Other scales		Please inquire		