

Adeno-Associated Virus (AAV) Packaging

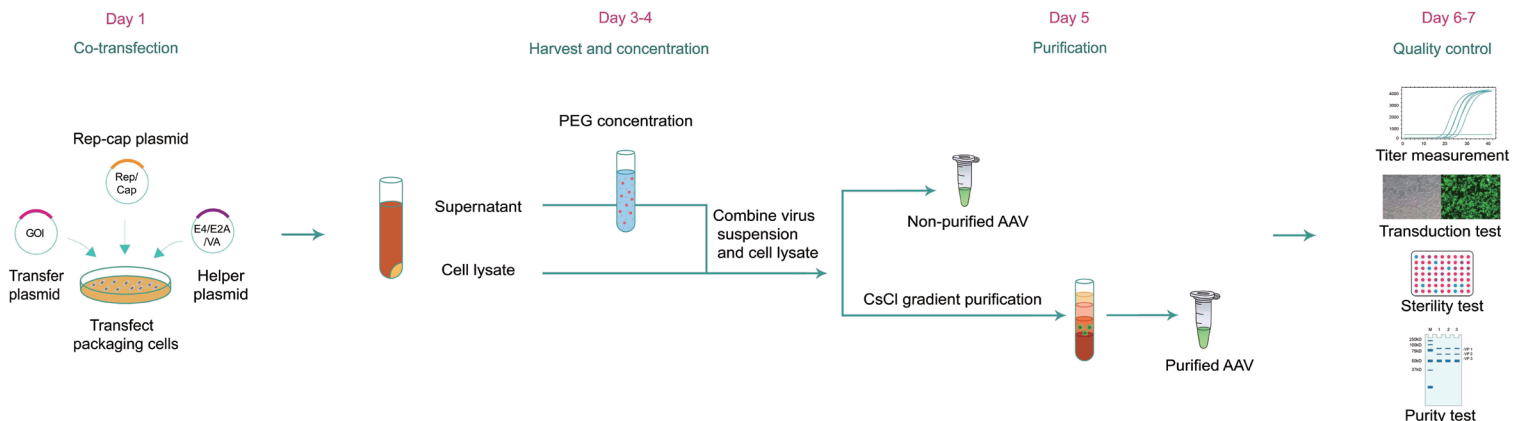
VectorBuilder offers superior quality AAV packaging services to support your AAV-based gene therapy experiments. We have developed a series of proprietary technologies and reagents that have greatly improved recombinant AAV production protocols in terms of titer, purity, potency and consistency, especially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

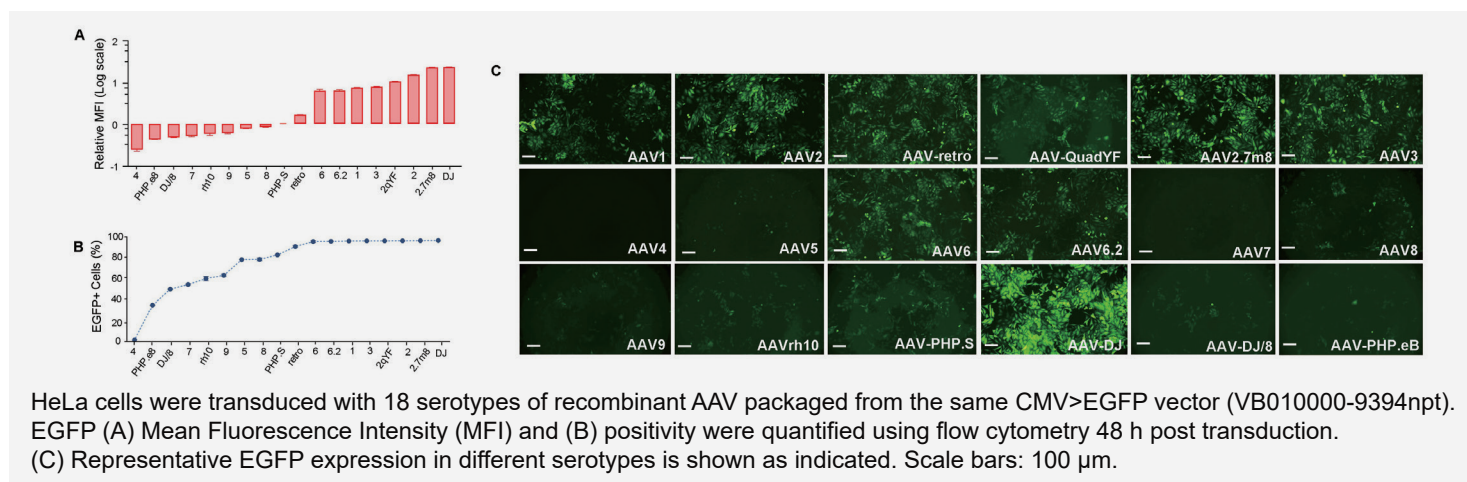
Types of AAV Offered

- 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)



Typical workflow of triple transfection-based AAV packaging.

AAV Production and QC



Ordering Information

Price and Turnaround

Scale	Application	Titer	Volume	Price	Turnaround
Triple transfection-based AAV					
Pilot	Non-purified, suitable for most cell culture experiments	$>2 \times 10^{11}$ GC/ml	250 μ l (10x25 μ l)	\$449	6-12 days
Medium			1 ml (10x100 μ l)	\$649	
Large		$>2 \times 10^{12}$ GC/ml	1 ml (10x100 μ l)	\$1,099	
Ultra-purified pilot	Cell culture & in vivo	$>10^{13}$ GC/ml	100 μ l (4x25 μ l)	\$1,399	7-14 days
Ultra-purified medium			500 μ l (10x50 μ l)	\$1,999	
Ultra-purified large			1 ml (10x100 μ l)	\$3,099	
Ultra-purified large 5			5 ml (10x500 μ l)	From \$9,899	
Ultra-purified large 10			10 ml (10x1 ml)	From \$15,899	14-21 days
Other scales			Please inquire		
Baculovirus-based AAV					
Ultra-purified pilot	Cell culture & in vivo	$>5 \times 10^{13}$ GC/ml	1 ml (10x100 μ l)	\$5,599	35-49 days
Ultra-purified medium			5 ml (25x200 μ l)	\$20,199	35-49 days
Ultra-purified large			10 ml (50x200 μ l)	\$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	1×10^{13}	From \$4,699	10-16 days
Research-plus 5		5×10^{13}	From \$14,899	14-21 days
Research-plus 10		1×10^{14}	From \$23,899	
Other scales		Up to 1×10^{16}	Please inquire	