

Virus

Packaging



Sanger sequencing verification



Various types of viral vectors

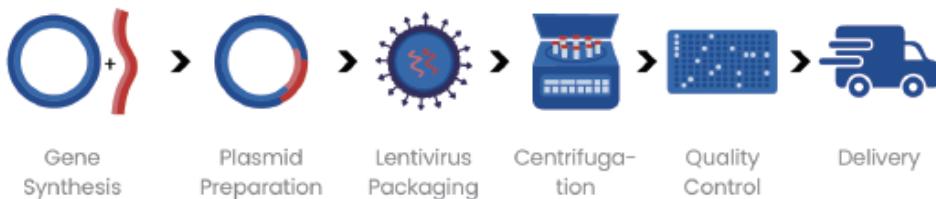


Mycoplasma-free



Low immunogenicity high titer

Tsingke has established a Biosafety Level 2 (BSL-2, P2) laboratory, providing a solid foundation for the development and production of high-quality viral products. Leveraging Tsingke's whole industry chain advantages in gene synthesis, we provide efficient and high-quality lentivirus (LV), adenovirus (ADV), adeno-associated virus (AAV), and customized pseudovirus packaging services.



Lentivirus Packaging

Tsingke offers full-process services from sequence design to virus packaging, offering a variety of lentiviral vectors with low immunogenicity, high titer, and stable gene expression to meet diverse experimental needs. Additionally, Tsingke's mLP packaging system efficiently packages CRISPR, PE, and BE systems, as well as non-integrating lentiviruses, overcoming the limitations of oversized genomes in traditional vectors while enhancing titer and reducing cytotoxicity.



High Titer

Efficient lentivirus packaging system with titer $\geq 1 \times 10^8$ TU/mL



High Purity

Ultracentrifugation and filtration for in vivo-grade purity



Ultra-Fast

Gene synthesis and virus packaging delivered in as little as 15 days

Lentivirus Packaging	Titer	TAT	Deliverables
Over-expression Lentivirus	≥1 E+8 TU/mL (Standard) ≥5 E+8 TU/mL ≥1 E+9 TU/mL	15-25 days (Include plasmid construction)	Custom Lentivirus 5×200 μL; Control virus 5×200 μL; Plasmid 15 μL; Polybrene 200 μL; (1) Sequencing results (2) plasmid gene synthesis COA (3) Fluorescence pictures (4) COA (5) Instructions for use
RNAi Lentivirus (single target)	≥1 E+8 TU/mL ≥1 E+9 TU/mL		
RNAi Lentivirus Set (three targets)	≥1 E+8 TU/mL		
sgRNA Lentivirus (single target)	≥1 E+8 TU/mL ≥1 E+9 TU/mL		
sgRNA Lentivirus Set (three targets)	≥1 E+8 TU/mL		

Adeno-Associated Virus (AAV) Packaging

Adeno-associated virus (AAV) is a versatile and widely used viral vector for in vitro and in vivo gene delivery. It is considered one of the most effective tools for gene therapy due to its ability to transduce a wide range of mammalian cells and its non-pathogenicity and low immunogenicity in humans.

Adeno-Associated Virus(AAV) Packaging	Product	Volume
Single-stranded AAV (ssAAV)	Ultra-purified ssAAV packaging (normal scale serotypes)	5E+11 VGS, 1E+12 VGS, 2E+12 VGS, 5E+12 VGS, 1E+13 VGS, 2E+13 VGS, 5E+13 VGS, 1E+14 VGS,
	Ultra-purified ssAAV packaging (low scale serotypes)	1E+12 VGS, 2E+12 VGS 5E+12 VGS, 1E+13 VGS 2E+13 VGS, 5E+13 VGS 1E+14 VGS
Self-complementary AAV (scAAV)	Ultra-purified scAAV packaging	5E+11 VGS, 1E+12 VGS 2E+12 VGS, 5E+12 VGS 1E+13 VGS, 2E+13 VGS 5E+13 VGS, 1E+14 VGS 2E+14 VGS
Adenovirus Packaging	Product	Volume
Adenovirus Packaging	Ultra-purified scADV packaging	1E+10PFU, 5E+10PFU 1E+11PFU

High Titer	High Purity
Reaching 1E+14 VGS/mL	Achieving in vivo-grade quality
Broad Tropism and Specificity	
High capability to infect various types of cells and tissues	

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