

Lentivirus Packaging

VectorBuilder offers superior quality, ready-to-use lentiviral particles produced using a series of proprietary technologies and reagents that have greatly improved recombinant lentivirus production protocols in terms of titer, purity, viability and consistency, especially for the third-generation lentiviral vector systems used in our vector cloning services.

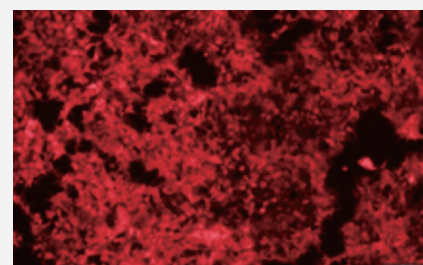
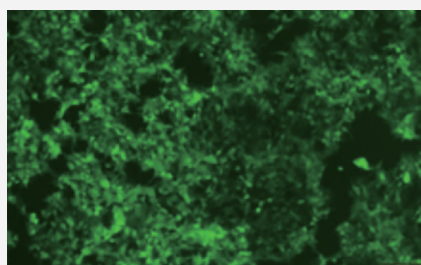
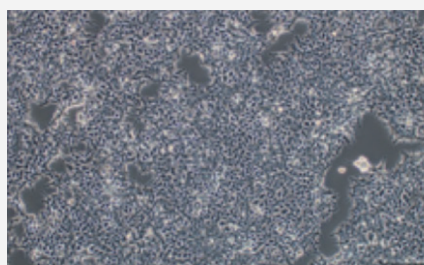
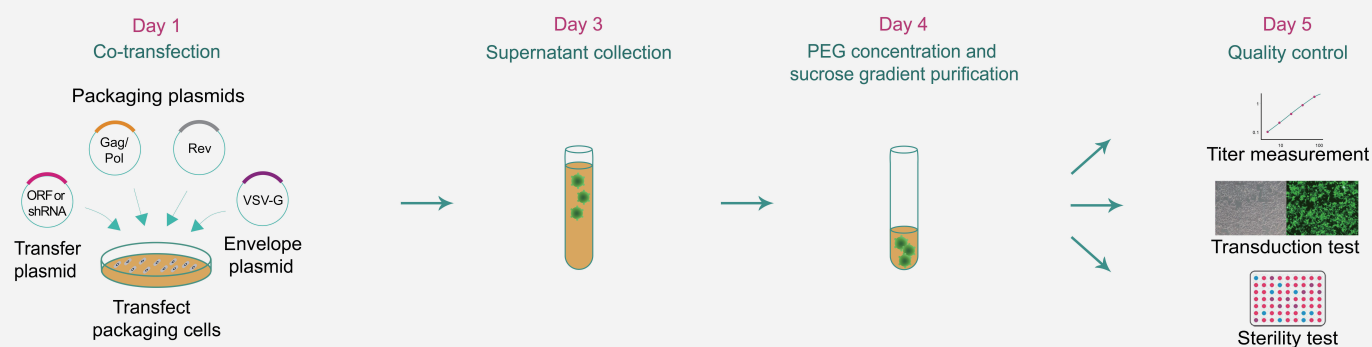
Highlights

- Permanent integration of vector DNA
- Very broad tropism with the ability to target both dividing and non-dividing cells
- High viral titer
- Customizable internal promoter
- Uniform transduction in cell population
- Effective gene delivery both in vitro and in vivo
- Minimal safety concern due to self-inactivating design

Types of Lentivirus Offered

- VSV-G pseudotyped second and third-generation lentivirus
- Lentivirus pseudotyped with other envelope proteins as requested, such as coronavirus spike (S) protein
- Bald lentivirus lacking viral envelope protein (can be used as negative control for viral transduction)
- Integrase-deficient lentivirus (IDLV)

Lentivirus Production and QC



Lentivirus-mediated EGFP expression in 293T cells. Magnification: 100X. Left: bright field. Middle: EGFP. Right: mCherry.



Ordering Information

Scale	Application	Titer	Volume	Price (USD)	Turnaround
Lentivirus/integrase-deficient lentivirus pseudotyped with VSV-G					
Pilot	Cell culture	>10 ⁸ TU/ml	250 ul (10x25 ul)	\$449	8-16 days
Medium			1 ml (10x100 ul)	\$649	
Large		>10 ⁹ TU/ml	1 ml (10x100 ul)	\$1,099	
Ultra-purified medium	Cell culture & in vivo	>10 ⁹ TU/ml	500 ul (10x50 ul)	\$1,399	
Ultra-purified large			1 ml (10x100 ul)	\$1,699	
Lentivirus pseudotyped with SARS-CoV-2 S protein and its variants					
Pilot	Cell culture	>10 ⁸ TU/ml	250 ul (10x25 ul)	\$899	8-16 days
Medium			1 ml (10x100 ul)	\$1,299	
Large		>10 ⁹ TU/ml	1 ml (10x100 ul)	\$2,199	
Ultra-purified medium	Cell culture & in vivo	>10 ⁹ TU/ml	500 ul (10x50 ul)	\$2,799	
Ultra-purified large			1 ml (10x100 ul)	\$3,399	

Order Online at VectorBuilder.com

Contact us at service@vectorbuilder.com

