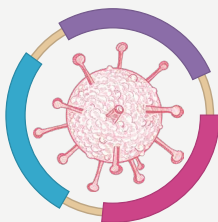


Virus Packaging Plasmids

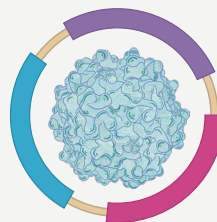
VectorBuilder offers GMP-like and GMP-grade lentivirus and AAV packaging plasmids for the manufacturing of pre-clinical and clinical viral vectors for gene and cell therapies. Produced in our state-of-the-art facilities, each plasmid has been optimized to produce high titers of virus and has undergone thorough quality control.

Highlights

- Optimized and validated for high virus yield
- Off-the-shelf plasmids available for immediate use
- Plasmids produced under animal-free and antibiotic-free conditions
- Royalty free
- DMFs available simplifying FDA IND application
- Kan resistance



VB-VSV-G
VB-Rev
VB-Gag/Pol



VB-AAV-Helper
VB-AAV2-Rep/Cap
VB-AAV9-Rep/Cap

QC	Method	GMP-like	GMP-grade
Plasmid concentration	UV spectrophotometry	≥500 ug/ml	≥500 ug/ml
Restriction digestion	Agarose gel electrophoresis	Identical to expected restriction pattern	Identical to expected restriction pattern
Sanger sequencing	Sanger sequencing of the entire plasmid	Identical to reference sequence	Identical to reference sequence
A260/A280	UV spectrophotometry	1.80-2.00	1.80-2.00
ccc plasmid DNA ratio	EtBr stained agarose gel electrophoresis	≥80%	≥80%
Residual protein	BCA or equivalent	≤2.00%	≤2.00%
Residual RNA	Fluorescence analysis or equivalent	≤5.00%	≤5.00%
Residual host cell DNA	Quantitative PCR or equivalent	Report result	≤5.00%
Endotoxin	Kinetic chromogenic assay	≤50 EU/ml	≤10 EU/ml
Sterility	Direct inoculation	No growth	No growth