

High Titer Virus Production

TransIT-VirusGEN® Transfection Reagent

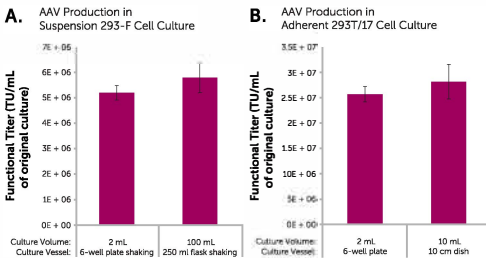
TransIT-VirusGEN® Transfection Reagent is designed to enhance delivery of packaging and transfer vectors to adherent and suspension HEK 293 cell types to increase recombinant adeno-associated virus (AAV) and lentivirus (LV) production.

Reliable—Consistent high titer virus production

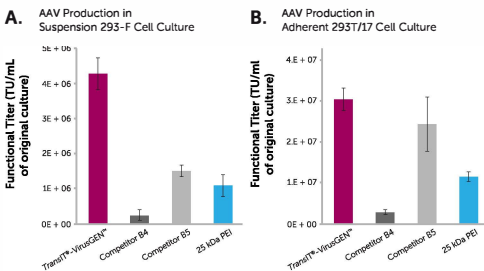
Scalable—Efficient across different formats

Flexible—Address different virus and cell culture system

TransIT-VirusGEN® Transfection Reagent Outperforms Competitor Reagents in AAV Production



TransIT-VirusGEN® Enables Broad Scalability (AAV). Suspension FreeStyle™ 293-F cells grown in FreeStyle™ F17 Medium (A) or adherent 293T/17 cells (B) were transfected with pAAV-hrGFP, pAAV-RC and pAAVHelper (1:1:1 ratio, 1.5 total µg/mL, Agilent Technologies) using the TransITVirusGEN® Transfection Reagent (2:1 reagent-to-DNA ratio (vol:wt), Mirus) at the indicated volumes per culture vessel. For experimental details, please visit <https://www.mirusbio.com/product/transit-virusgen-transfection-reagent-and-kits-2/>



TransIT-VirusGEN® Outperforms Competitor Reagents in Suspension and Adherent AAV Cell Cultures.

For experimental details, please visit <https://www.mirusbio.com/product/transit-virusgen-transfection-reagent-and-kits-2/>

TransIT-VirusGEN® Transfection Reagent

PRODUCT NO.	QUANTITY
MIR 6703	0.3 mL
MIR 6704	0.75 mL
MIR 6700	1.5 mL
MIR 6705	5 x 1.5 mL
MIR 6706	10 x 1.5 mL
MIR 6720	30 mL
MIR 6740	150 mL

VirusGEN® AAV Transfection Kit

PRODUCT NO.	QUANTITY
MIR 6745	1 Kit for 10 L of cell culture
MIR 6750	1 Kit for 1 L of cell culture
MIR 6755	1 Kit for 50 L of cell culture

VirusGEN® AAV Transfection Kit with RevIT™ AAV Enhancer

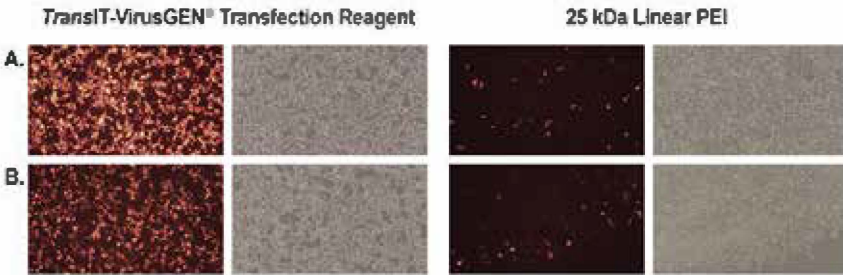
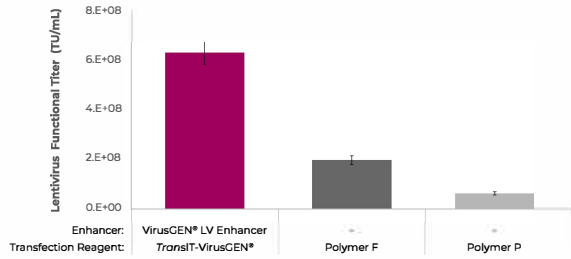
PRODUCT NO.	QUANTITY
MIR 8007	1 Kit for 1 L of cell culture
MIR 8008	1 Kit for 10 L of cell culture

VirusGEN® LV Transfection Kit

PRODUCT NO.	QUANTITY
MIR 6760	1 Kit for 1 L of cell culture
MIR 6765	30 mL for 10 L of cell culture

TransIT-VirusGEN® Transfection Reagent Also Outperforms Competitor Reagents in Lentivirus Production

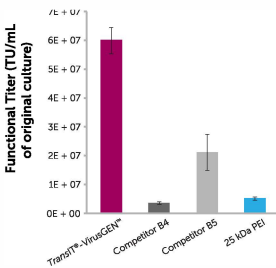
Higher Titers than Other Reagents.
The VirusGEN® LV Transfection Kit is superior to competitor reagents in suspension lentivirus cell cultures.



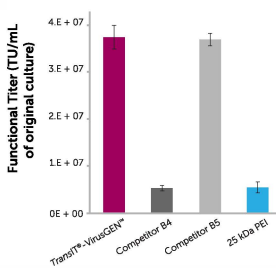
Higher Transfection Efficiency with TransIT-VirusGEN® Over PEI for Lentivirus Generation.
HEK293T/17 cells were transfected with lentiviral packaging plasmids and either (a) control RFP transfer plasmid or (b) targeting SPdCas9-RFP transfer plasmids using either TransIT-VirusGEN® Transfection Reagent (3:1 reagent to DNA ratio; vol:wt) or 25 kDa linear PEI (3:1 reagent to DNA ratio; wt:wt). Brightfield and RFP Images were taken 17-22 hours post-transfection.

Data courtesy of Zuzana Drobna, PhD (Dr. Keung's Lab), Department of Chemical and Biomolecular Engineering, North Carolina State University

A. Lentivirus Production in Suspension 293-F Cell Culture



B. Lentivirus Production in Adherent 293T/17 Cell Culture



TransIT-VirusGEN® Outperforms Competitor Reagents in Suspension and Adherent Lentivirus Cell Cultures.

For experimental details, please visit <https://www.mirusbio.com/product/transit-virusgen-transfection-reagent-and-kits-4/>