

VirusGEN®

Transfection Reagent

TransIT-VirusGEN® Transfection Reagent is a proven transfection reagent designed to enhance delivery of packaging and transfer plasmids to HEK 293 suspension cells to yield higher productivity adeno-associated and lentivirus production. Key benefits include:

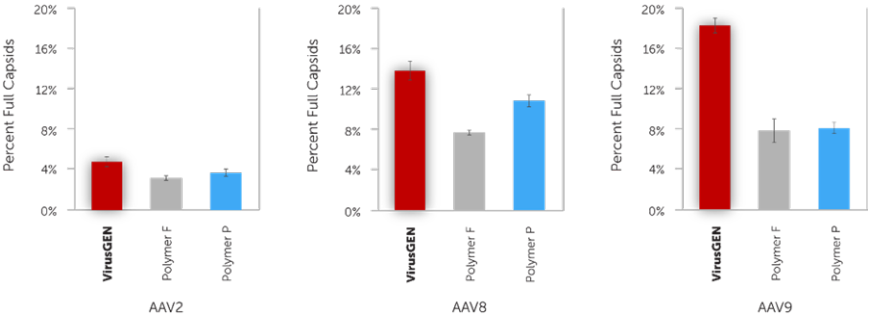


- **PERFORMANCE** – Efficient DNA delivery for production of high-titer viral vectors
- **SCALABILITY** – Consistent results from bench scale to GMP production scale
- **FLEXIBILITY** – Proven performance across common AAV serotypes and suspension lentivirus production processes
- **ANIMAL ORIGIN FREE** – Fully synthetic formulation ensured by robust QC and testing

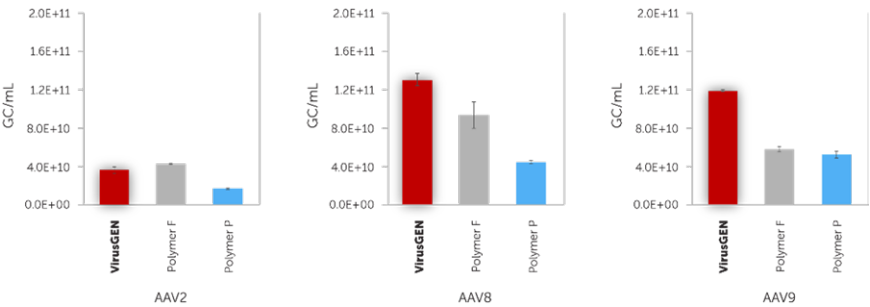
VirusGEN® Platform for GMP AAV Vector Production

The only transfection platform to incorporate proprietary polymer and lipid technologies. This combination delivers higher titers, significant cost savings, and more patient doses per bioreactor than conventional, single polymer reagents.

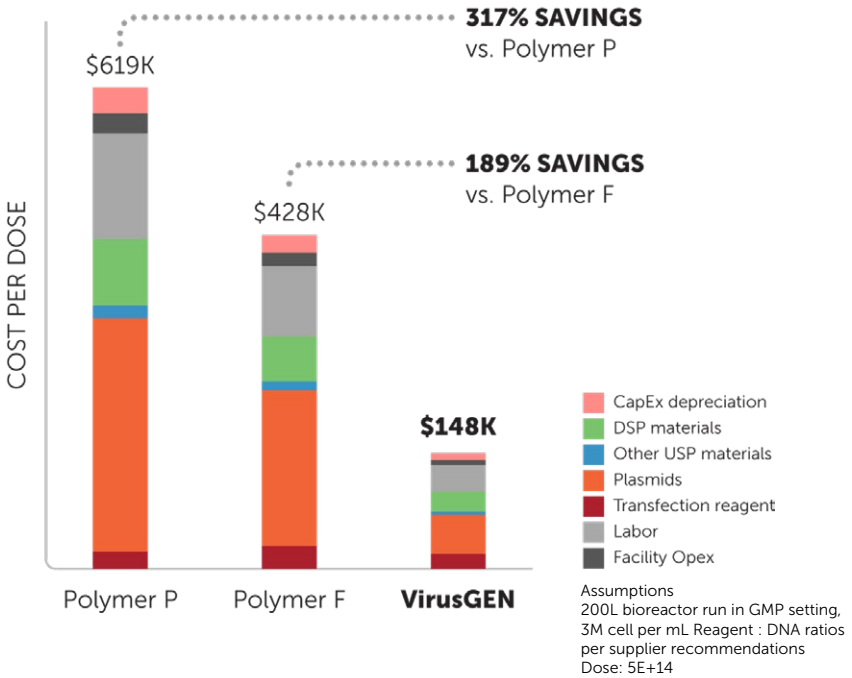
Percent full capsids generated by VirusGEN platform versus polymer-only transfection reagents



Titer generated by VirusGEN platform versus polymer-only transfection reagents



VirusGEN reduces AAV9 cost per dose by >100%



**Major pediatric research
and treatment center**

≥50%
INCREASE IN TITERS

Challenge

AAV2/AAV8 vector production switched from adherent to suspension culture

An earlier harvest was required to improve functional titers but at the cost of ~50% less virus produced

VirusGEN delivered the required results

≥50% increase in titers

Equivalent functional AAV to first-generation adherent process

5L bioreactor optimized and scaled to 200L

**Major biopharmaceutical
company**

Challenge

AAV5 vector production process and PEI-based transfection reagent yielded only 0.5 dose per 200L bioreactor

VirusGEN delivered the required results

With VirusGEN, the customer was able to produce 4 doses per bioreactor, a 3.5x or 700% increase

700%
INCREASE IN DOSES



More Expertise Brings You to Market Faster

For over two decades Mirus has generated scientific breakthroughs in the industry with transfection in siRNA delivery, CRISPR/Cas9, AAV and LV production.

We bring best-in-class technical knowledge supported by meticulous quality and supply chain security which delivers product when you need it.

When you choose Mirus Bio, expect:

- Faster transfection optimization
- GMP capabilities for large-scale clinical virus production
- Regulatory support package
- Hands-on application support



Ready to evaluate?

Email: maildesk@mirusbio.com and a representative will contact you.

Technical support: techsupport@mirusbio.com/608-229-2852

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