

# Bringing Excellence in Quality and CGMP Manufacturing to the World of Viral Vectors

## Our Experience



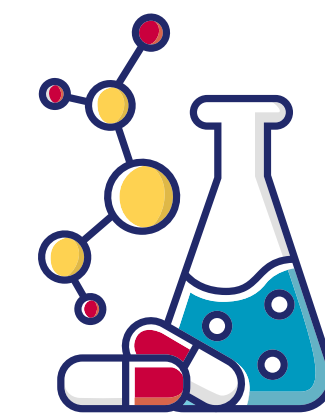
**30+ Years**

Biologics Development and Manufacturing Experience



**20+ Years**

Successful Inspection History



**20+ Years**

CGMP Commercial Manufacturing



**Zero 483s**

FDA Observations Over Last 5 Inspections



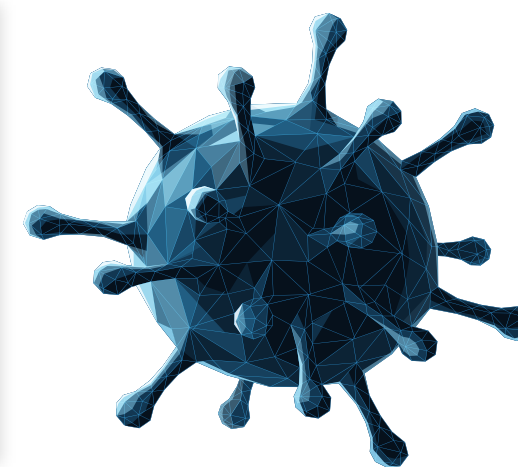
**Located in Orange County, California**

PD Labs • QC Labs • AD Labs

CGMP Manufacturing with Fill/Finish

53,000 ft<sup>2</sup> Purpose-Built Facility • Dedicated Warehouse

## Our Capabilities



### Viruses

AAV (Serotypes 1, 2, 5, 6, 8, 9, and Rh10)

Lentivirus   Retrovirus   Ad   HSV   **Others**

### Process Development

**50L & 500L** Single-Use Bioreactors

Multi-Layer Vessels

ÄKTA Based Chromatography & TFF

Ultracentrifuge

### Cell Lines

HEK293   293T   BHK-21   PER.C6   MRC5

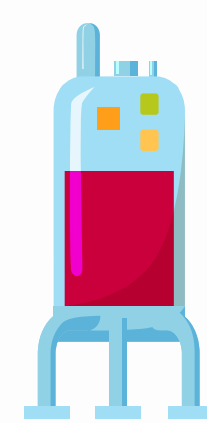
HeLa   VERO   A549   Sf9   **Others**

**In-House Analytical Capabilities**

## CGMP Manufacturing

### Train A

Up to **3,000L**  
Suspension Culture or  
Adherent Fixed-Bed  
Bioreactors



### Train B

Up to **500L**  
Suspension Culture or  
Multi-Layer Vessels for  
Adherent Culture

Master Cell Bank • Master Virus Bank

Semi-Automated Fill-Finish Under Isolator

QA Product Release Testing

*Inquire To Learn About Our Special Terms For CIRM Grantees*



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