

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

## Our Experience



**30+ Years**

Biologics Development and Manufacturing Experience



**21+ Years**

Successful Inspection History



**18+ Years**

CGMP Commercial Manufacturing



**Zero 483s**

FDA Observations Over Last 5 Inspections



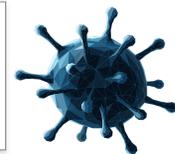
**Located in Orange County, California**

PD Labs • QC Labs • AD Labs

CGMP Manufacturing with Fill/Finish

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

## Our Capabilities



AAV



Alphavirus



Oncolytic Ad



Oncolytic HSV



Retrovirus



Lentivirus

### Cell Lines

HEK293

293T

BHK-21

PER.C6

MRC5

HeLa

VERO

A549

Sf9

### Process Development

50L & 500L Single-Use Bioreactors

Multi-Layer Vessels

ÄKTA Based Chromatography & TFF

Ultracentrifuge

**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

