

# VIRAL VECTOR MANUFACTURING EXPERTS

THE RIGHT STRATEGIC PARTNER TO **ENABLE**  
YOUR LIFE CHANGING INNOVATIONS

UTILIZING CUSTOM DESIGN AND DEVELOPMENT  
TO ACHIEVE REGULATORY APPROVAL.

**ABL's 35+ years of process development and GMP production experience accelerates your novel gene therapies, vaccines, oncolytics and immunotherapies.**

With U.S. facilities located conveniently near the nation's capital, we offer a comprehensive portfolio of effective process design, development, GMP production and QC analytical testing services.

- Core expertise in viral-based vaccines, cell & gene therapy, oncolytics and subunit/nanoparticle production
- Diversity of production platforms across suspension and adherent
- Science-driven process development
- Closed production systems to minimize risk
- Allstream production approach to maximize efficiency and reduce cost

EXPERIENCE PRODUCING NUMEROUS VIRAL VECTORS FOR  
**GENE THERAPIES | VACCINES | ONCOLYTICS | IMMUNOTHERAPIES**



VACCINIA  
(and MVA)



AAV



ADENOVIRUS  
AAV VSV



ARENNAVIRUS



ZIKA



GLYCOPROTEINS



VSV



LENTIVIRUS  
(and RETROVIRUS)



HERPESVIRUS

# ABL

ADVANCED BIOSCIENCE LABORATORIES

Multiple suites and production platforms, leverage your  
existing processes and accelerates your path to market.



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Toll Free: 800-225-5600 [info@ablinc.com](mailto:info@ablinc.com)

# COMPREHENSIVE GMP MANUFACTURING SUPPORT



Process design



Process feasibility



Upstream and/or downstream  
process development



Assay development and qualification



Master and working cell  
and virus banks



Scale-up and engineering run(s)



GMP bulk drug substance



GMP aseptic fill/finish



Analytical lot release testing



ICH stability testing



Chemistry, manufacturing  
and controls support



ADVANCED BIOSCIENCE LABORATORIES

# PROCESS DEVELOPMENT, GMP PRODUCTION AND ASEPTIC FILL/FINISH

CDMO FOR VIRAL THERAPIES AND VACCINES

SPECIALISTS READY TO EXECUTE.  
LET'S START THE DISCUSSION TODAY.



## Process Development and GMP Production

- GMP facilities compliant for Ph I-II clinical supply
- Single-use bioreactor systems (SUBs)
- HYPERStack®, roller bottles, cell factories
- iCELLis® 500+ and iCELLis® Nano systems
- Fully integrated project management



## Large Volume Capacity

- 400L scale (2 x 200L)
- Ph I-II and preclinical supply
- Viral product expertise
- On-site QC
- 50L, 200L, 400L bioreactor seed trains



## Live Virus Aseptic Fill/Finish

- Fill volumes 0.5mL to 9.7mL
- Small lots fills (> 200 vials) with low hold volumes
- Qualified Crystal Zenith® and Type 1 borosilicate glass vial options
- 100% visual inspection and AQL procedures
- Industry-low reject rates

ABL is your catalyst for life changing innovations.  
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