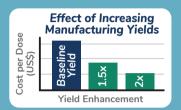
CLOSING THE GAPS IN CELL AND GENE THERAPY MANUFACTURING: A BIOPROCESS MODELLING CASE STUDY

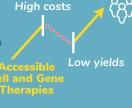




THE FACTS:

- 800+ ongoing clinical trial products involving virus products1
- 10x increase in demand expected by 20261
- There is a gap between demand and manufacturing capacity







Case Study: Process Economics of Upstream Manufacturing Enhancement



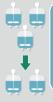
Model 2-fold enhancement in upstream yield

Virica uses **BioSolve Process** to model viral vector manufacturing processes

Assess process modifications enabled by 2-fold enhancement in yield

Scenario 1:

Reduce the NUMBER of Bioreactors from 3 to 2



Most Significant Annual Savings	
Capital	-25%
Materials and Consumables	-33%
Labour	-28%

Scenario 2:

Reduce the SIZE of Bioreactors from 500L to 300L

Most Significant Annual Savings	
-6%	
-13%	
-24%	



Optimizing your Manufacturing Process Leads to:





Cost



VSE™ Technology Reduces Upstream Manufacturing Costs



Virica's Viral Sensitizer technology (VSEs™) are small molecules that boost upstream viral manufacturing yields across a wide range of substrates and cell lines by curbing antiviral defenses.

> For more information, please contact us at info@viricabiotech.com

