

# THE CENTRE FOR CELL AND VECTOR PRODUCTION (CCVP)

Deep Expertise in Manufacturing Across the Development Life Cycle

### **FACILITY AND LOCATION**

World-class Good Manufacturing Practices (GMP) facility built in partnership with University Health Network (UHN), located in downtown Toronto, adjacent to some of Canada's leading hospitals and research institutes. CCVP includes:

- ▶ 10 suites, two dedicated to viral vectors, in 20,000 ft² facility
- ▶ ISO Class 7/Grade B clean rooms for clinical trial manufacturing
- Designed for USFDA, Health Canada, EMA compliance
- ▶ Located near both of Toronto's international airports

### MANUFACTURING SERVICES

**Healthier Lives** 

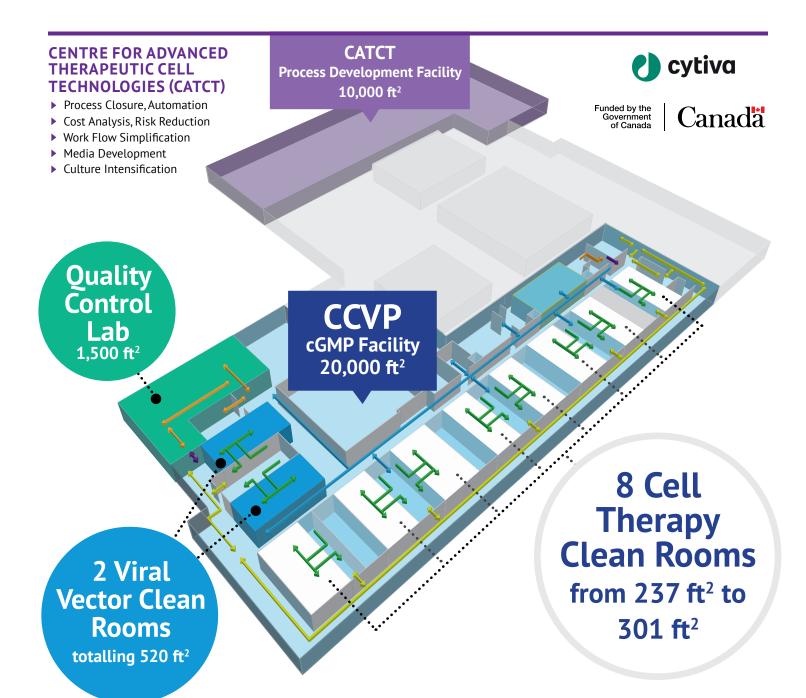
- ▶ Cell Manufacturing
- Viral Vector Manufacturing
- Cell Banking
- Fill & Finish
- Cryopreservation

### MANUFACTURING SUPPORT

- On-site QC Testing Capabilities
- On-site QA/Audit Support
- ▶ Expert Regulatory Guidance
- ▶ Cryogenic Distribution Using Validated Logistics
- ▶ Extensive Process Development Capabilities







### **QUALITY SYSTEMS**

### Robust and phase-appropriate:

- ► Compliant with U.S. and Canadian GMP, and the new EU ATMP Guidelines
- Supports CTA/IND acceptance by global regulators, minimizes variability, accelerates timelines, reduces costs
- Independent quality department including QC and QA
- Robust document management, change control and CAPA systems

## **CUTTING-EDGE TECHNOLOGIES**

### **CCVP** equipment capabilities include:

- ► Hardware (USP/DSP): Cytiva, Miltenyi, Sartorius and more
- QC capacity: real-time PCR, multi-mode plate reader, Endosafe, flow cytometry
- Software: MasterControl® QMS, batch record and material management systems
- Cryostorage for 25,000+ vials
- Gamma cell irradiator

### **EXPERIENCE & EXPERTISE**

# 100+ staff with deep experience in cell and gene therapy manufacturing:

- Manufacturing for global clinical trials
- Small-scale autologous and clinical-scale allogeneic manufacturing workflows
- Complex and highly customized manufacturing runs (CAR-T, PSC, NK, MSC, LVV, AAV)
- Significant growth of GMP operations, planning for commercial manufacturing facility

We solve the big challenges in cell and gene therapy through seamless integration of extensive expertise, enabling technologies, collaborative processes, and specialized infrastructure