

# Introducing the VLx™ System: A Transfection Solution for Gram-Scale Protein Production

VLx™

With over 20 years of experience helping our partners to overcome scientific hurdles, MaxCyté's unique blend of clinically validated technology and support can advance life-changing therapies from concept to clinic. The ExPERT VLx system delivers unmatched transfection scalability with Flow Electroporation® technology for industry-leading reproducibility, flexibility and ease of use.

***Accelerate biotherapeutic development using transient expression to produce multi-gram protein quantities.***



## Features:

- **Scalable** – Transfect up to 200 billion cells in a fully closed, single-use system in less than 30 minutes
- **High Performance** – Achieve reproducible results, superior transfection efficiency, cell viability and protein expression, even with difficult-to-transfect cell lines
- **Versatile** – Bench-scale, modular equipment with automated flow design, intuitive integrated software and user-friendly open architecture



## Benefits:

- Reduce time, cost and risks
- Obtain grams of proteins in weeks, not months
- Scale seamlessly from discovery to manufacturing
- Expedite your transition from development to Phase I
- Accelerate your path to the clinic

**MaxCyté**®

*Let's Build Better Cells Together.™*

[www.maxcyte.com/VLx](http://www.maxcyte.com/VLx)





**R-1L & G-1L Flow Electroporation Processing Assemblies**

- 0.1 to 1 L of concentrated cells
- Up to 200 billion cells
- Sterile connections
- R-1L: for Research Use Only applications
- G-1L: for cGMP and clinical research applications

**MaxCyte Electroporation Buffer**

- 100 mL and 500 mL bottles

**Quality & Regulatory Summary:**

- Suitable for 21 CFR Part 11 and cGMP-compliant manufacturing
- FDA master file to reference in drug filings
- ISO certified and CE marked

**Service & Support Package:**

- On-site support by experienced field applications scientists
- Global support
- Installation and operational qualification
- Annual calibration

**ExPERT VLx Instrument Specifications:**

Item:	Specification:
VLx Instrument Dimensions	23.9" wide x 18.9" high x 16" deep
VLx Instrument Weight	105 lbs (48kg)
VLx Input Power	115/230VAC, 50/60Hz, 500W
Fuse Requirements	2X 5A Slow Blow, 250V, 5X20mm
Operating Humidity	80% Maximum
Operating Temperature	15°C - 30°C
Storage Temperature	0°C - 45°C
Modes of Operation	Static and Flow
Process Volumes	15 µL - 3.5 mL (static mode) and 100 mL - 1 L (flow mode)
Performance (Flow Mode)	60 mL / minute (approximate)
Ports Available	3 USBs / 1 Ethernet
Operating Altitude	2000 m Maximum
IP Rating	IP40, IEC 60529 ed2.2, Table 1 only
Pollution Rating	Degree 2 (IEC 60664-1)

