MaxCyte® | exPERT®

# 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, MaxCyte'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


**There's a better way from start to finish.™**

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### R-1L Flow Electroporation Processing Assemblies

- Research Use Only (cGMP coming soon)
- 0.1 to 1 L of concentrated cells
- Up to 200 billion cells
- Sterile connections

### MaxCyte Electroporation Buffer

- 500 mL and 1 L bags (coming soon)
- 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) |

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