

The ExPERT STx[®] delivers virtually any molecule, into any cell, from research and discovery to process development scale. The ExPERT STx electroporates primary cells, stem cells, and cell lines with minimal disturbance resulting in cell viability and transfection efficiencies routinely $\geq 90\%$

It is the industry's leading scalable electroporation technology for stable and transient expression of biologics and cell therapy product development.

- Rapidly transfect from thousands up to 20 billion cells
- Proprietary Flow Electroporation[®] technology
- Closed, cGMP-compliant system, 21 CFR part 11 compliant, ISO-certified and CE-marked
- Decreased development timelines, with high yield transient expression of complex proteins, vaccines and biologics
- Faster production of stable clones
- Ideal for large-scale cell therapy optimization, training, process development, and feasibility studies from early product development to pre-IND validation studies



The **ExPERT STx** provides enhancements that improve ease of use, processing workflow, and overall user experience, with its elegant design that fits seamlessly into any high-tech laboratory space.

Integrated Touch-Screen: Easy operation with a touch of a finger

Enhanced Software User Interface: Upgraded software provides additional functionality and intuitive ease of use. Supports Windows operating systems ensuring seamless compatibility with standard IT infrastructures

LED Status Indicators: Six colorful and clearly defined modes provide the user with a quick way to visualize instrument and run status

Retractable Bag Hooks: Easily available when needed for large volume processing and then fold away when not in use

Reduced Footprint: Industry's leading transfection processing capacity in a small footprint – maximizes productivity while saving valuable laboratory counter space

Network Capable:

- Shared local drive access to generate and save reports automatically
- Electronic signatures to minimize transcription errors
- Network user authentication to reduce the number of passwords needed

MaxCyte[®]

Let's Build Better Cells Together™

www.maxcyte.com

Standard Features

- Flow Electroporation[®] technology capable
- Static electroporation capable
- Compatible with all MaxCyte processing assemblies
- Seamless scalability from thousands to billions of cells

Quality Features

- 21 CFR Part 11 software capabilities
- Independently LE tested to comply with the applicable EMC directive requirements (IEC 61326-1, EN 61000) and safety standards (SPE 1000, EN 6101 CSA 61010-1)

Service & Support Package

- Initial installation and training provided
- Annual calibration service package
- Remote support by experienced field applications scientists
- Support throughout North America, Europe, the Middle East, Africa, and the Asia-Pacific region

ExPERT STx Instrument Specifications

Item	Specification
STx Instrument Dimensions	8.7" (221mm) x 19.4" (493mm) x 17.6" (448mm)
STx Instrument Weight	55 lbs (25 Kg)
STx Input Power	100-240VAC, 50-60Hz, 3.5A
Fuse Requirements	2X 4A Slow Blow, 250V, 5X20mm
Operating Humidity	93% max
Operating Temperature	59°F – 77°F 15°C – 25°C
Storage Temperature	32°F – 113°F 0°C – 45°C
Modes of Operation	Static and Flow
Process Volumes	20 µL – 100 mL
Performance (Flow Mode)	8 mL / minute
Ports Available	1 USB / 1 Ethernet

CE Marking

Application of Council Directive(s):
2004/108/EC
2014/35/EC

Standards to which Conformity is Declared:

- EN61010-1:2010 -3rd Edition: Safety requirements for electrical equipment for measurement, control, and laboratory use Part 1: General requirements
- EN61326-1:2013: Electrical Equipment for Measurement, Control and Laboratory Use – EMC Requirements

