MaxCyte® | expert®

STx®

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The ExPERT STx® electroporation technology is capable of high-performance delivery of virtually any molecule, into any cell, at any scale with the unique ability to transfect primary cells, stem cells and cell lines with minimal disturbance resulting in transfection efficiencies routinely ≥90%.

It is the industry's leading scalable electroporation technology for high yield transient expression of complex proteins, vaccines and biologics.

- Rapidly transfect from thousands to 20 billion cells
- Proprietary Flow Electroporation® Technology
- Closed, cGMP-compliant system, 21 CFR part 11 compliant, ISO-certified and CE-marked
- Improved yields, at scale, can decrease development timelines, and paired with flexible media strategies, can deliver significant cost savings
- 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 status 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

Elegant Design: Modern and sleek appearance to enhance laboratory aesthetics

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
- API (Application Programing Interface) capable to integrate into your manufacturing automation system

MaxCyte®

Let's Build Better Cells Together™

www.maxcyte.com

Standard Features:

- Flow Electroporation capable
- Static Electroporation capable
- Compatible with all MaxCyte processing assemblies
- Scalable capabilities from thousands to 20 billion 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:

- Provides installation qualification and operational qualification support
- Provides annual calibration support
- In-Lab support by experienced field applications scientists
- Global support throughout North America, Europe, Israel, Asia, Australia

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	59ºF – 77ºF | 15°C – 25°C
Storage Temperature	32ºF – 113ºF | 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
20014/35/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
- CRISPR 11:2009 +A1:2010: Limits and methods of measurement of electromagnetic disturbance characteristics of industrial, scientific and medical (ISM) radio-frequency equipment
- IMDF/CYBR WG/N 60: Principles and Practices for Medical Device Cybersecurity

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