CTS Xenon Electroporation Instrument

Large-volume electroporation system for cell therapy process development and manufacturing

Streamline and expedite your cell therapy development with the Gibco™ CTS™ Xenon™ Electroporation Instrument, part of a flexible closed electroporation system that enables rapid, efficient transfection without sacrificing cell viability or recovery.

The CTS Xenon Electroporation Instrument offers reliably high transfection performance in volumes of 1–25 mL with exceptional cell viability and recovery. The intuitive, programmable interface, process flexibility, sterile single-use consumables, and available software upgrade that helps enable 21 CFR Part 11 compliance allow the system to seamlessly scale with your cell therapy workflow from process development through clinical manufacturing.

The 1 mL electroporation chamber helps enable efficient process development and scales directly to commercial manufacturing using the 5–25 mL cartridge. This larger-volume consumable enables aseptic processing in a closed system designed for cell therapy manufacturing.

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Key features of the CTS Xenon Electroporation Instrument:

- **High speed, large volume**—transfect up to 2.5 x 10^9 T cells in less than 25 minutes
- **Proven performance and viability**—up to 90% gene knockout and 80% viability
- **Process flexibility**—user-programmable system helps enable you to create and optimize electroporation protocols for various cell types and payloads from process development through commercial manufacturing
- **Efficient nonviral transfection**—can be used to deliver DNA, RNA, and protein payloads
- **Closed-system processing**—MultiShot (MS) cartridge enables sterile welding to PVC or C-Flex™ tubing

Find out more at **thermofisher.com/xenon**

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