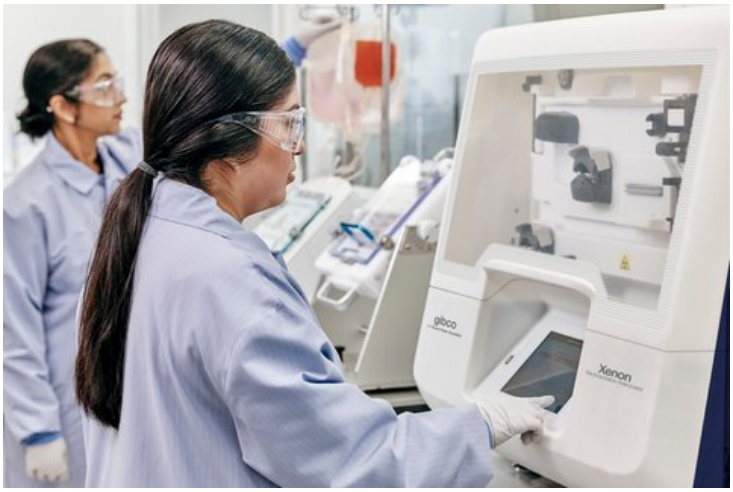
BioSpectrum
the business of Bio & Health Sciences
ASIA EDITION

Thermo Fisher introduces new large-volume electroporation system

March 17, 2022 | News

New fully customizable electroporation system enables large-scale cell therapy development and clinical manufacturing



Thermo Fisher Scientific has introduced a new large-volume electroporation system that allows cell therapy developers to more easily move from clinical development to commercial manufacturing.

The Gibco CTS Xenon Electroporation System leverages a closed, highly flexible design to facilitate gene modifications without the use of traditional viral vectors. The electroporation approach enables the introduction of a payload into a cell by temporarily increasing cell permeability using an electrical pulse.

Unlike existing large-volume cell therapy electroporation solutions on the market, the Gibco CTS Xenon Electroporation System features programmable, flexible electroporation conditions, offering cell therapy developers full control to optimize a variety of hard-to-transfect cell types and payloads.

The system may be used as a standalone technology or integrated with the Gibco CTS Rotea Counterflow Centrifugation System as part of a modular, closed and automated cell therapy manufacturing workflow.