AgilePulse MAX™
Large Volume Transfection System

Direct Scale-up:

Transfection protocols can scale-up from cuvettes to large-volume transfection without learning new complicated processes.

Maximal Efficiency with Cytoporation®

Medium: BTXpress Cytoporation® Medium T has been optimized for maximal efficiency with several cell lines and is compatible with a large range of transfectants.

The AgilePulse MAX Advantage:

Specialized, programmable electrical pulse waveforms enhance transfection efficiency and cell viability.

BTX®

About the Product
Efficient Transfection for up to 10 mL Volumes

The AgilePulse MAX™ System is an advanced electroporation solution for fast, efficient transfection of 20 µL to 10 mL of cell suspension. Specifically engineered for large-volume applications, our system maximizes cellular uptake with minimal heating and short cycle-time to ensure high cell viability in further cell processing.

Large-Volume Electroporation Applications

- Transfect cells such as bone marrow cells to produce or replace a missing protein
- Deliver siRNA to suppress gene expression
- Deliver genes for permanent gene correction
- Load cells with a drug for drug delivery
- Cancer immunotherapy
- Transfect CAR-T cells for protein production in bioreactors
- Large-scale production of replication-deficient viruses

How It Works

The patented AgilePulse technology has been demonstrated to maximize efficiency and cell viability.

1. Simple-to-use, cells and polynucleotide are suspended in our proprietary BTXpress Cytoporation® Medium T and transferred via a sterile syringe to the large-volume electroporation chamber where a programmed sequence of electric pulses is applied.

2. A sequence of short, high-intensity pulses opens pores in the cell membranes, followed by long, low-intensity pulses that drive the material into cells via electrophoresis.

What's Included in the system

The system includes a user-friendly, programmable waveform generator with AgilePulse technology

A patent-pending large-volume electroporation chamber

A proprietary BTXpress Cytoporation® Medium T; optimized for large-volume electroporation.

47-0200N AgilePulse MAX System. System includes:

47-0201N AgilePulse MAX™ Waveform Generator
47-0204N Large Volume Chamber, 6 mm gap/ 5 ml maximum volume
47-0202N Chamber Holder
47-0209 AgilePulse MAX Safety Stand for Flatpack
47-0002 Cytoporation® Low Conductivity Medium T, 500 mL
47-0202N Large Volume Chamber Stand

Accessories & Service

45-0109 Flatpack Chambers, 1.83 mm gap, 1.5 ml volume, pkg. of 50
47-0206 Flatpack Chambers, 4 mm gap, 10 ml volume, pkg. of 10
47-0204N Large Volume Chamber
45-0124 Cuvette, 1mm gap, 90ul volume, pkg. of 50 45-0134 Cuvette, 1mm gap, 90ul volume, pkg. of 10
45-0125 Cuvette, 2 mm gap, 400 ul volume, pkg. of 50 45-0135 Cuvette, 2 mm gap, 400 ul volume, pkg. of 10
45-0126 Cuvette, 4mm gap, 800 ul volume, pkg. of 50 45-0136 Cuvette, 4mm gap, 800 ul volume, pkg. of 10
Installation Qualification (IQ) and Operational Qualification (OQ) services for the AgilePulse are available. Please contact us for details.

Contact Us

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