



HT Plate Handlers

TECHNICAL SPECIFICATIONS

APPLICATIONS

Mammalian Cell Transfection:

- siRNA
- Plasmid DNA
- cDNA libraries
- Gene knockdown or overexpression screens

Transformation of Bacteria and Yeast:

- BAC library
- Plasmid DNA

PRODUCT DESCRIPTION

BTX[®] High Throughput Plate Handlers are designed for rapid electroporation of multiple samples when coupled with a BTX[®] pulse generator. The HT-100 Plate Handler is a manual switching unit that allows for individual column selection for pulsing column by column, while the HT-200 offers an auto-switching feature for automatic pulsing of the entire plate. The Plate Handlers are compact, simple to operate and easy to connect to our pulse generators. The HT systems can also be used to vary the voltage, pulse durations or biological conditions across the columns. This allows for rapid optimization of both the electrical and biological conditions and results in increased viability and higher electroporation efficiency.

HT-100

- Manual Column Pulsing
- Gold-plated Electrode Pins
- Fits 25-Well & 96-Well Plates
- Compatible with the ECM 830 & ECM 630

HT-200

- Automatic Column Pulsing
- Programmable Pulse Number
- Gold-plated Electrode Pins
- Fits 25-Well & 96-Well Plates
- Compatible with the ECM 830 & ECM 630

HT Plate Handlers TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS

Standard Capabilities:

Power	100 to 240 VAC, 50/60 Hz, 15 W, 0.50 A fuse (2)
Voltage Range	0 to 3000V DC (Pulse)
Pulse Length Range	10 µsec to 10 sec
Pulse Number Range	1 to 99
Operating Temperature	5° to 40°C
Intended Use	Indoor Use
Relative Humidity	20 to 80%
Maximum Altitude	2,000 m (6,562 ft)
Pollution Degree	II
Insulation Degree	CAT I

Physical Characteristics for Models:

HT-100 and HT-200:

Width x Depth x Height	23 x 21.5 x 14 cm (9.1 x 8.5 x 5.5 in)
Weight	4.8 Kg (10.6 lbs)

ORDERING INFORMATION

Order #	Product
45-0452	96-Well Disposable Electroporation Plates, 4 mm gap, 250 µl, 1 plate
45-0450	96-Well Disposable Electroporation Plate, 2 mm gap, 125 µl, 1 plate
45-0462	25-Well Disposable Electroporation Plate, 4 mm gap, 250 µl, 1 plate
45-0466	25-Well Disposable Electroporation Plate, 2 mm gap, 125 µl, 1 plate
45-0463	25-Well Disposable Electroporation Plate, 4 mm, 250 µl, pkg. of 6
45-0467	25-Well Disposable Electroporation Plates, 2 mm, 125 µl, pkg. of 6
45-0400	HT-100 Plate Handler, Manual Column Switching
45-0401	HT-200 Plate Handler, Automatic Column Switching

TROUBLESHOOTING

Please contact BTX Technical Support at 800-272-2775 in the event of any failure.

TECHNICAL & CUSTOMER SERVICE

For further references regarding specific applications and optimization, please contact BTX Technical Support:

BTX-Division of Harvard Apparatus
84 October Hill Road
Holliston, MA 01746
Phone: 1-508-893-8999
Toll Free: 1-800-272-2775
Fax: 1-508-429-5732
Email: techsupport.btx@harvardapparatus.com
Website: www.btxonline.com

If outside the United States or Canada: call 508-893-8999 or contact your nearest BTX Distributor.

BTX[®]
HARVARD APPARATUS

The Electroporation Experts

84 October Hill Road • Holliston MA, 01746
toll free 800.272.2775 • local 508.893.8999 • fax 508.429.5732
email techsupport.btx@harvardapparatus.com • web www.btxonline.com