

BTX[®]

HARVARD APPARATUS



ECM[®] 399 Generator

TECHNICAL SPECIFICATIONS

The ECM[®] 399 is an exponential decay wave electroporation system specifically designed to deliver the field strengths and pulse lengths required for the simple transformation of bacteria and yeast cells. In low voltage mode the ECM[®] 399 has a limited capability for transfecting some mammalian cell lines. The ECM[®] 399 is ideal for basic transformation in research and academic environments. It is easy to operate, cost effective, compact in size and portable.

TECHNICAL SPECIFICATIONS

Standard Capabilities:

Display	Type: 16-character liquidcrystal LCD backlight
Power Source Voltage	100 to 240 Vac, 50 to 60 Hz, CAT I
Power	< 100 W peak
Fusing	2.5 A, T rating 250 V
Operational Status	Internal self test upon start-up
Interface	Digital User Interface
Pulse Interval	100 msec – 10 sec
Charge Time	5 sec maximum
Voltage Range:	
LV Mode	1,050 μ F Fixed
HV Mode	36 μ F Fixed
Resistance:	
LV Mode	150 ohm Fixed
HV Mode	150 ohm

MECHANICAL SPECIFICATIONS

Maximum Voltage	Output: 2,500 Volts Peak
Maximum Pulse Length	125 ms @ 500 Volts peak or 5 ms @ 2,500 Volts peak
Pollution Degree 2	(Not to be operated in conductive pollutants atmosphere)
Relative Humidity	60%
Altitude	2,000 m (operating)

ORDERING INFORMATION

Order #	Product
45-0000	Electroporation System includes ECM [®] 399 Generator, PEP, Cuvettes 1 mm, 2 mm, 4 mm, pkg. of 30 (10 each) and Cuvette Rack 660
45-0050	ECM [®] 399 Generator Only
45-0060	Combination package includes ECM [®] 830 Generator, ECM [®] 399 Generator, Safety Stand, PEP, 30 Cuvettes, (10 each: 1 mm, 2 mm and 4 mm) and Cuvette Rack
45-0212	PEP Personal Electroporation Pak Cuvette Module

TECHNICAL & CUSTOMER SERVICE

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

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