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Bio-Rad GenePulser XCell Total System with Shock Pod





Supports both exponential decay and square-wave pulses.

Rating: Not Rated Yet
Price
Sales price $4,750.00

Ask a question about this product

ManufacturerBioRad

Description

The Bio-Rad Gene Pulser Xcell Total System (#1652660) is a versatile, modular electroporation system designed for high-efficiency transfection of both eukaryotic (mammalian, plant, etc.) and prokaryotic (bacterial) cells. It delivers precise exponential decay or square-wave pulses and includes the main control unit, Capacitance Extender (CE) module for extended low-voltage capacitance, Pulse Controller (PC) module for high-

resistance applications, ShockPod cuvette chamber, and starter cuvettes. The pictured unit appears complete and matches the standard Total System configuration, making it suitable for a wide range of molecular biology and cell biology applications.

Key Features and Specifications

Dual Waveform Capability — Supports both exponential decay and square-wave pulses for optimal transfection across cell types.

Wide Voltage Range — 10–3,000 V output, enabling high-voltage microbial electroporation and gentler low-voltage mammalian applications.

Flexible Capacitance — 25–3,275 µF (in 25 µF increments) for 10–500 V; 10/25/50 µF for 500–3,000 V.

Pulse Controller (PC) Module — Provides parallel resistance of 50–1,000 ? (in 50 ? increments) plus infinity, ideal for high-resistance bacterial buffers.

Capacitance Extender (CE) Module — Extends capacitance range for low-voltage eukaryotic transfections.

Square-Wave Timing — For low voltage: 0.05–100 ms pulse duration, 1–10 pulses, 0.1–10 s intervals; for high voltage: 0.05–5 ms, 1–2 pulses.

Preset & User Protocols — Built-in optimized protocols for common bacterial, fungal, and mammalian cells, plus fully programmable manual mode and user-saved protocols.

ShockPod Cuvette Chamber — Safe, integrated chamber with interlocks for 0.1, 0.2, and 0.4 cm gap cuvettes; includes safety features like audible alarms and overcurrent/overvoltage protection.

Sample Measurement — Measures sample resistance (typically 5–1,100 ?) before pulsing for better protocol optimization.

Compact & Robust Design — Main unit dimensions approx. 31 × 30 × 14 cm, weight ~6.6 kg; universal power (100/240 V, 50/60 Hz); modular stackable setup as shown in the photo.

Comes with our 90-day warranty.

Biotech Equipment Sales, Inc. has been based in South San Francisco, the Biotech capital of the world, since 2009. We are dedicated to bringing high-quality pre-owned laboratory instrumentation to our scientific community.

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