

# Gene Electroporator

## LGE-A10



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# Gene Electroporator LGE-A10

Gene Electroporator LGE-A10 is a compact, modular electroporation system, where electrical pulse is used to create temporary pores in cell membranes through which substances like nucleic acids can pass into cells. The instrument is of a complete set with man-computer dialog interface. Once optimum electroporation conditions achieved, this Gene Electroporator transfects a large number of cells in a short time. The detailed setting range of capacitance and resistance makes the electro-perforation experiment of cells more selective under the related conditions.

## Features:

- Exponential wave form output
- Easy and rapid transfection of large number of cells in short time
- Intelligent network system for on-site measurement and controlling parameters close to network
- Networking of gene importer system; Two-way communication functions
- Microprocessor controlled technology
- User-friendly, simple operations



## Applications

It finds application in the electro-perforation of microorganism cells of animals and plants and is also used in cell hybridization, gene electroporation and silencing across molecular biology, genetic engineering and other research fields.

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## Specification:

Model no.	LGE-A10
High Output voltage	400 to 2500 V
Low output voltage	100 to 450 V
High voltage capacitor	1, 5, 6, 25, 30, 31 $\mu\text{F}$
Low voltage capacitor	100 $\mu\text{F}$ , 125 $\mu\text{F}$ , 150 $\mu\text{F}$ ...1675 $\mu\text{F}$ , one grades of 25 $\mu\text{F}$
Resistance	50 $\Omega$ , 100 $\Omega$ , 150 $\Omega$ , 1600 $\Omega$ , increment total 30 grades
Operation system	Microcomputer control
Output waveform	With RC time constant of the exponential decay of wave
Dimension	368 × 316 × 229 mm
Weight	10.5 kg
Packing dimension	480 × 420 × 280mm