



VERTICAL ELECTROPHORESIS SYSTEM
LD-LVES-A12

Vertical Electrophoresis System LD-LVES-A12 is a versatile unit with gel dimension (W × L) 82×88 mm, enables complete control over sample loading and casting dams up to 11 to 60 sample throughputs. It runs one, two or up to four gels simultaneously by using a glass plate sandwich. Buffer volume of 1000 ml provides cooling effect and stable pH during process. Transparent glass allows gel observation from both sides. It is used for separation, purification and preparation of protein, amino acid and nucleic acid.

Features

- Designed with two gel castings stands, 1 to 4 plates of gels can be made at a time
- Abundant buffer volume provides cooling effect and stable pH value throughout electrophoresis
- Auto-switch-off when the lid is moved
- High quality gel casting apparatus prevents gel leakage
- Convenient to observe gel preparation through both sides of the glasses
- Quick and easy installation of glass plates (within 15 seconds)
- Designed with LCD display with backlight for power supply unit
- Power supply unit is equipped with molding shell, touch keys, dual core microprocessor intelligent control
- Power supply unit indicate the preset value and the actual output value at the same time
- Power supply unit offers constant voltage, constant current, constant power, mis operation, fault and other warning functions
- Power supply unit offers automatic detection of no-load, over-load, short circuit, rapid resistance change, ground leak and system overheating
- Power supply unit adopts four sets of output jacks
- Easy device installation

Applications

Vertical Electrophoresis System is use for separation, purification and preparation of amino acids, proteins and nucleic acids for studying vaccines, drug discovery, forensics, and DNA profiling or other life science applications. It is also used in industry such as mining or food sciences.

Specifications

Model No.	LD-LVES-A12
Glass plate size	100 × 100 mm
Gel size	82 × 88 mm
Gel thickness	1.0, 1.5 mm
Number of gels	1 to 4 pcs
No. of samples	11 to 60
Total buffer volume	1000 ml
Dimension	220 × 170 × 120 mm
Weight	2.5 kg

Standard Accessories

Sr. No.	Name	Qty
1	Lid with cables	1 pc
2	Body tank	1 pc
3	Gel casting core with electrodes	2 pcs
4	Gel casting stand	2 pcs
5	Notched glass plates	6 pcs
6	Spacer plate with 1.0 mm glass spacer	4 pcs
7	Spacer plate with 1.5 mm glass spacer	4 pcs
8	1.0 mm thickness 11-well comb	4 pcs
9	1.5 mm thickness 11-well comb	4 pcs
10	1.0 mm thickness 15-well comb	4 pcs
11	1.5 mm thickness 15-well comb	4 pcs
12	Gel releaser	2 pcs

13	Wedged-shaped plates	4 pcs
14	Dummy plate	3 pcs

Power Supply

Voltage range	5 to 300 V
Current range	1 to 400 mA
Power range	1 to 120 W
Type of control	Constant V, Constant I and Constant P
Display type	LCD screen with backlight
Output jack	Four sets
Storage function	Store 10 methods
Programming method	No
Timing function	1 min to 99 h 59 min
V-hr function	No
Pause control function	Yes
Power recovery function	Optional
Automatic memory function	Yes
Automatic shutdown function	Yes
Intelligent prompt functions	Yes
Non-proliferation field function	Optional
Temperature detection function	No
Safety performance	Yes
Molding machine casing	Yes
Dimension	280 × 237 × 118 mm
Weight	3.2 kg