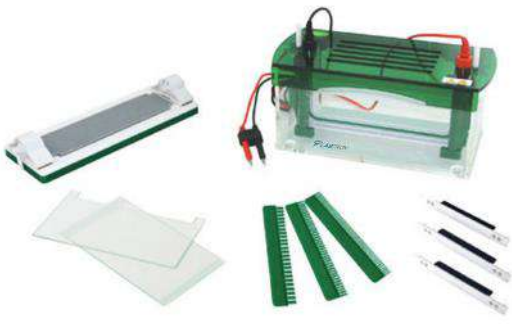
LABTRON

Vertical Electrophoresis System
LVES-A1 Series



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VERTICAL ELECTROPHORESIS SYSTEM LVES-A1 SERIES

Vertical Electrophoresis System LVES-A10

Vertical Electrophoresis System LVES-A10 is a versatile unit with gel dimension (W × L) 82 mm × 88 mm of different well size enables complete control over sample loading and casting dams in range of 10 to 15 sample throughput. Buffer volume of 750 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.

Vertical Electrophoresis System LVES-A11

Vertical Electrophoresis System LVES-A11 is a versatile unit with gel dimension (W × L) 186 mm × 205 mm of different well size enables complete control over sample loading and casting dams up to 25, 40 and 52 sample throughput. Buffer volume of 3500 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

- Convenient addition of sample due to design colored background (LVES-A10)
- Abundant buffer volume provides cooling effect and stable pH value throughout electrophoresis
- Precast gel core remains unaffected during electrophoresis (LVES-A11)
- High quality gel casting apparatus prevents gel leakage
- Automatic power off on lid removal
- Safety switch for lid opening (LVES-A11)
- Easy device installation

Application

Used 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.

Specification

Model no.	LVES-A10	LVES-A11
Gel dimension (W × L)	82 mm × 88 mm	186 mm × 205 mm
Glass dimension (W × L)	100 mm × 100 mm	216 mm × 220 mm
Buffer volume	750 ml	3500 ml
Sample capacity	11 to 30	25 to 52
Number of gel slab	1 to 2 pcs	
Gel casting material	Polyacrylamide	Polyacrylamide
Comb thickness and no of well	0.75, 1.0 & 1.5 mm for 11 and 15 well comb	1.0 mm for 25, 40 and 52 well comb
Comb throughput	10 to 15 samples	25, 40, 52 samples
Run time for SDS-PAGE	Depends on output voltage	Depends on output voltage
External dimension	150 × 120 × 155 mm	280 × 140 × 250 mm
Packaging dimension	370 × 300 × 220 mm	460 × 400 × 450 mm
Gross weight	2 kg	9 kg

Standard accessories

LVES-A10

Accessories no.	Accessories name	Unit
1	Body tank with electrode	1
2	Gel casting tray	1
3	Notched glass plates	4
4	0.75 mm bonded glass spacer	2
5	1.0 mm bonded glass spacer	2
6	1.5 mm bonded glass spacer	2
7	0.75 mm thickness 11 wells comb	2
8	1.0 mm thickness 11 wells comb	2
9	1.5 mm thickness 11 wells comb	2

Standard accessories

LVES-A10

10	0.75 mm thickness 15 wells comb	2
11	1.0 mm thickness 15 wells comb	2
12	1.5 mm thickness 15 wells comb	2
13	Gel shovel	1
14	Clamp version	2
15	Dummy plate	1

LVES-A11

Accessories no.	Accessories name	Unit
1	Body tank with electrode	1
2	Gel casting tray	1
3	Notched glass plates	4
4	1.0 mm bonded glass spacer	2
5	1.0 mm thickness 25 wells comb	2
6	1.0 mm thickness 40 wells comb	2
7	1.0 mm thickness 52 wells comb	2
8	25 well guide sample device	2
9	40 well guide sample device	2
10	52 well guide sample device	2

Power Supply

Power Supply	LVES-A10	LVES-A11
Voltage range	3 to 300 V	10 to 600 V
Current range	1 to 400 mA	1 to 500 mA
Power range	1 to 120 W	1 to 300 W
Power Increment	1 V, 1 mA, 1 W	
Type of output	Constant voltage, current or power	
Display	LCD	
Output port	Four sets	
Timing function	1 min 9 hr 59 min	
Optional	Power recovery function, non-proliferation field function	
Power supply	AC 220 V ± 10%, 50/60 Hz, 110 V ± 10%, 60 Hz	
External dimension (L × W × H)	280 × 237 × 118 mm	
Packaging dimension (L × W × H)	380 × 340 × 230 mm	
Gross weight	4 kg	