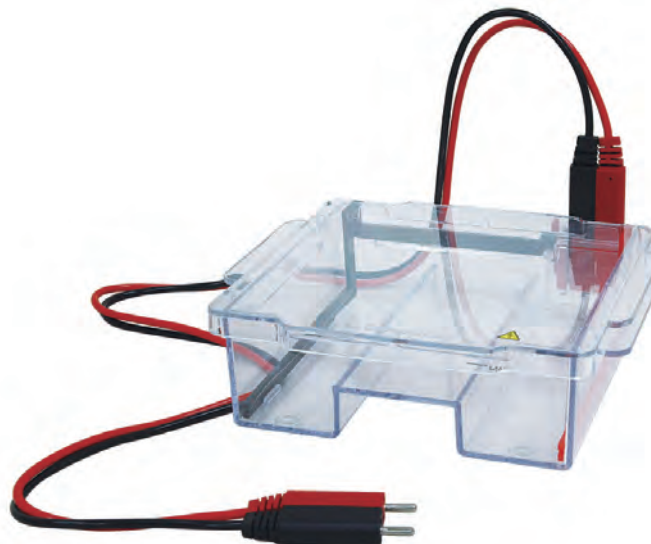


Electrophoresis System

Differentiated ease of use electrophoresis system

Structural Functional Features

- Horizontal electrophoresis system.
- Integral structure of transparent polycarbonate material ensures excellent durability and convenient sample checking.
- Cathode/anode and direction marking on the bottom of the tank makes it very convenient to use for checking the direction of electrophoresis.
- Easy to move with handles on the sides of the tank.
- There are rubber feet on the bottom of the tank and gel caster to prevent slip.
- Providing 31 well and 16 well Comb at the same interval as a multi-channel pipette, enabling fast loading of large quantities of samples. (EP-10, EP-18)

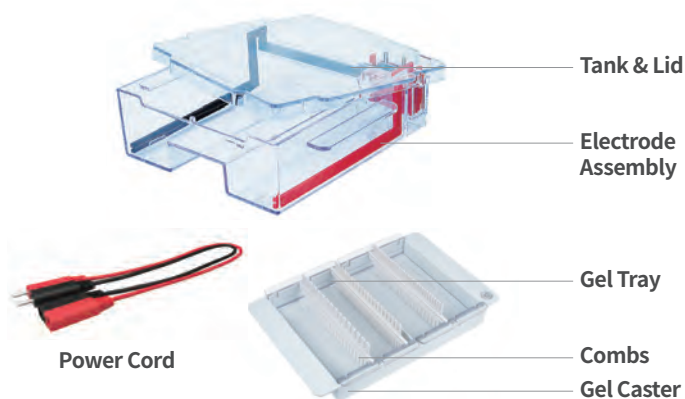


EP-10

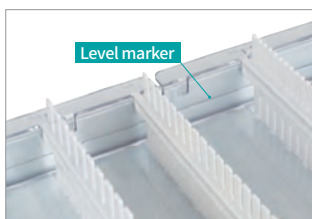
with Power Cord (standard)

Use Convenience Features

- The gel tray is UV-transparent, and no need of separation for the Agarose Gel from the tray to check the results. (UV-A)
- Level marker is engraved on the gel tray to make it easy to make gel of constant thickness.
- Level meter included in gel caster for easy to uniformity of gel generating. (EP-10, EP-18)
- Power cord being connected/disconnected easily are divided into cathode/anode by black/red.
- Large quantities of samples can be loaded at once. (based on EP-18, total 204EA (including marker))
- Electrodes are easy to remove from tank and it's easy to clean the tank.



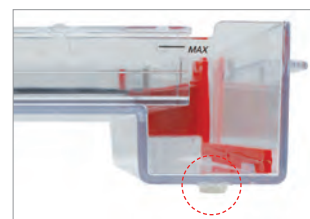
Comb spacing fitting to Multichannel pipettes (31, 16 well Comb).



Level Marker.



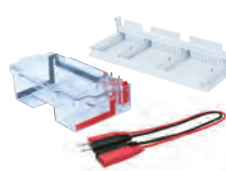
Gel caster level meter.



Anti-slip rubber feet.



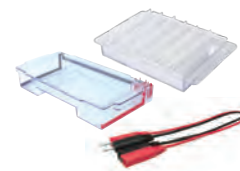
Connection to Power Supply



EP-05



EP-10



EP-18

Model	EP-05	EP-10	EP-18
Electrophoresis Unit (Tank & Lid, Electrode, Power Cord)	1 set	1 set	1 set
Gel Caster	1 ea	1 ea	1 ea
Gel Tray	3 ea	2 ea (Up to 2 combs can be installed per tray)	1 ea (Up to 6 combs can be installed on tray)
Max. Sample Throughput	39 ea (Marker 1 ea)	132 ea (Marker 4 ea)	198 ea (Marker 6 ea)
Double-sided Comb Number of upper well / Number of lower well (thickness x quantity provided)	27/40 well* (1.0 mm x 1ea) (40 well: 15 + 15 + 10 27 well: 10 + 10 + 7 See the image on the bottom)	20/31 well* (1.0 mm) x 2ea 20/31 well* (1.5 mm) x 2ea 16/20 well* (1.0 mm) x 2ea 16/20 well* (1.5 mm) x 2ea 25/34 well* (1.0 mm) x 2ea 25/34 well* (1.5 mm) x 2ea	20/31 well* (1.0 mm) x 2ea 20/31 well* (1.5 mm) x 2ea 16/20 well* (1.0 mm) x 2ea 16/20 well* (1.5 mm) x 2ea 25/34 well* (1.0 mm) x 2ea 25/34 well* (1.5 mm) x 2ea

* Number of wells depending on the direction of use.

Comb Specification

Comb	27/40 well		20/31 well		16/20 well		25/34 well	
Well (ea)	27	40	20	31*	16*	20	25	34
Width (mm / inch)	4.8 / 0.19	3.0 / 0.11	4.8 / 0.19	3.0 / 0.11	6.0 / 0.24	4.8 / 0.19	4.5 / 0.18	3.0 / 0.11
Volume (μl)	30	20	48 / 72**	30 / 45**	60 / 90*	48 / 72**	45 / 68**	30 / 45**

* Equal spacing with multichannel pipettes makes it convenient for loading large quantities of samples.

** Volume per well is 1.0mm/1.5mm depending on the thickness of the comb

Specification

Model		EP-05	EP-10	EP-18
Buffer capacity (L / cu ft)		0.5 / 0.017	1 / 0.035	1.8 / 0.063
Material	Electrophoresis tank, Lid	PC (Polycarbonate)		
	Electrodes	Platinum wire		
Dimensions (W x D x H, mm)	Electrophoresis tank	219 x 134 x 71 / 8.62 x 5.27 x 2.79	219 x 214 x 71 / 8.62 x 8.42 x 2.79	387 x 214 x 71 / 15.24 x 8.42 x 2.79
	Gel caster	254 x 87 x 18 / 10 x 3.42 x 0.79	167 x 264 x 30 / 6.57 x 10.39 x 1.18	167 x 264 x 30 / 6.57 x 10.39 x 1.18
	Gel tray	81 x 82 x 17 / 3.19 x 3.23 x 0.67 58 x 82 x 17/ 2.28 x 3.23 x 0.67	181 x 103 x 30 / 7.12 x 4.05 x 1.18	181 x 206 x 30 / 7.12 x 8.11 x 1.18
	Comb	225 x 45 / 8.86 x 1.77	158 x 46 / 6.22 x 1.81	158 x 46 / 6.22 x 1.81
	Electrophoresis unit weight (kg / lbs)	0.39 / 0.86	0.6 / 1.32	0.93 / 2.05
Cat. No.		AAAJ6011	AAAJ6021	AAAJ6031

Accessories **Page 169** Electrophoresis Unit, Gel Caster Unit, Electrode Assembly, Comb

Power Supply for Electrophoresis System



Multipurpose Power Supply can be used Horizontal agarose gel, Vertical polyacrylamide gel running, various blotting experiments, etc.

Structural Functional Features

- Power supply optimized for electrophoresis system.
- Constant voltage and constant current, convenient use as two operation modes provided.
- It consists of four sets of output terminals, so four electrophoresis devices can be used at the same time.
- Space-efficient use with stackable design.
- Folding legs on the lower part make it convenient to operate and check the status.



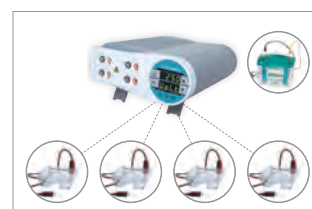
EPS-300

Use Convenience Features

- Accurate current and voltage by microprocessor.
- Pause and restart functions.
- Count-down timer. (up to 99 hours and 59 minutes)
- Displaying the operating time.
- Possible to monitor experimental conditions such as voltage, current value, change the setting value, stopping and reactivating. (when purchased LC GreenBox)
- PC communication via RS-232 Port.



Safe use with CE certification for electrical safety.



Compatible with other companies' products and can be connected to up to 4 devices at the same time.

Outstanding Safety

- Rapid resistance change detection and detection of current leakage to prevent accidents by cutting power.
- Protection against over-current/over-voltage/overpower.
- Over-temperature protection.
- Made of nonflammable plastic being safe in a fire.



Efficient time management with a mobile monitoring system. (optional)



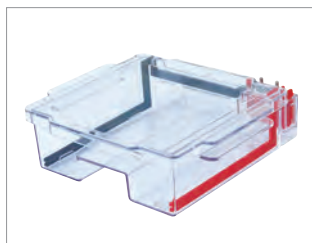
Space efficient due to a structure that can be stacked in two or more layers without slipping.

Specification

Model	EPS-300
Output range	5~250V, in 1V increments 10mA~3000mA, in 10mA increments (Max. 300W)
Type of output	Constant voltage mode, constant current mode
Output terminals	4 pair recessed banana jack in parallel
Timer	1min to 99hr 59min
Pause/resume function	Yes
Display	7-segment 4 digit LED, 2 line
Operating conditions	0 ~40°C, 0~80% RH
Dimensions (W x D x H, mm / inch)	240 x 310 x 100 / 9.45 x 12.2 x 3.94
Weight (kg / lbs)	2.5 / 5.51
Electrical requirement (VAC, Hz)	100-240VAC, 50/60Hz
Current consumption (A)	3.6
Cat. No.	AAAJ6541

Accessories Page 169 LC GreenBox

Accessories



Electrophoresis Unit



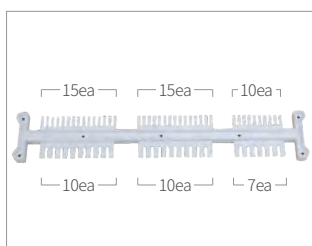
Gel Caster Unit



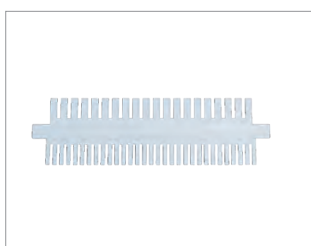
Electrode Assembly



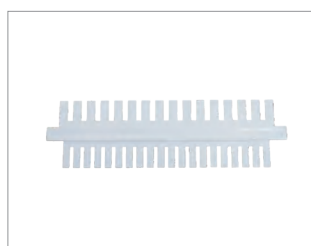
LC GreenBox (Mobile monitoring system)



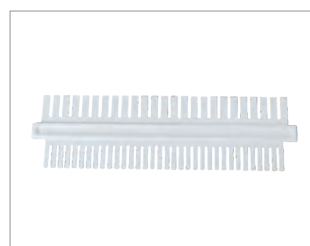
Comb 27/40 well



Comb 20/31 well



Comb 16/20 well



Comb 25/34 well

Cat. No.	Description	Model
AAAJ6501	Electrophoresis unit (tank, lid, electrode assembly)	EP-05
AAAJ6502	Electrophoresis unit (tank, lid, electrode assembly)	EP-10
AAAJ6503	Electrophoresis unit (tank, lid, electrode assembly)	EP-18
AAAJ6511	Gel caster unit (gel caster, gel tray)	EP-05
AAAJ6512	Gel caster unit (gel caster, gel tray)	EP-10
AAAJ6513	Gel caster unit (gel caster, gel tray)	EP-18
AAAJ6521	Electrode assembly	EP-05
AAAJ6522	Electrode assembly	EP-10
AAAJ6523	Electrode assembly	EP-18
AAAJ6531	Comb 27/40 well, thickness 1 mm - (5ea)	EP-05
AAAJ6532	Comb 20/31 well, thickness 1 mm - (5ea)	EP-10/18
AAAJ6533	Comb 20/31 well, thickness 1.5 mm - (5ea)	EP-10/18
AAAJ6534	Comb 16/20 well, thickness 1 mm - (5ea)	EP-10/18
AAAJ6535	Comb 16/20 well, thickness 1.5 mm - (5ea)	EP-10/18
AAAJ6536	Comb 25/34 well, thickness 1 mm - (5ea)	EP-10/18
AAAJ6537	Comb 25/34 well, thickness 1.5 mm - (5ea)	EP-10/18
AAHQ1011K	LC GreenBox	EPS-300