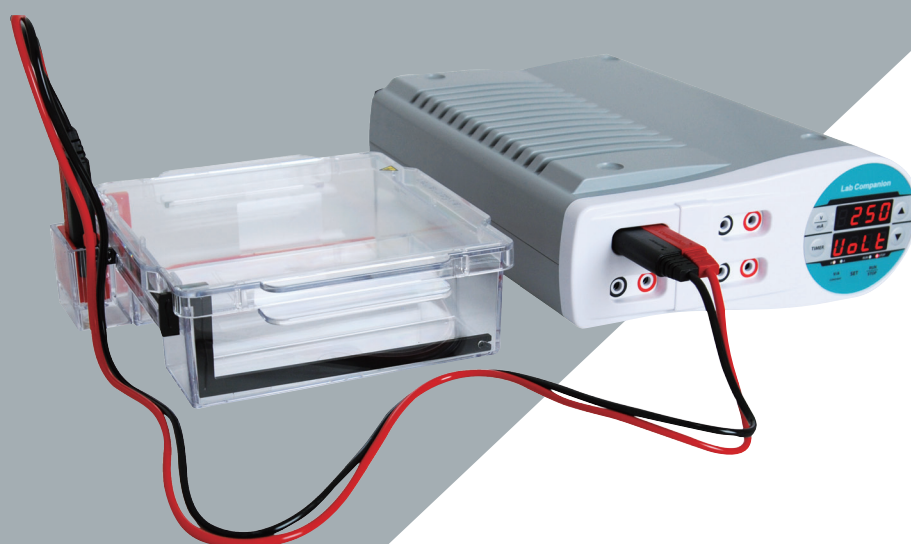


18

Electrophoresis Systems

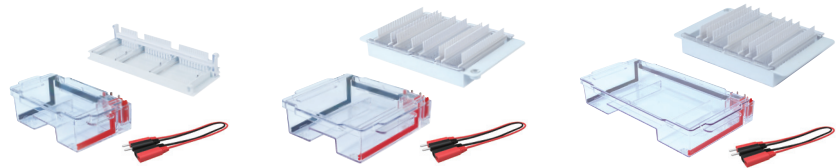
Three systems for different sized gels, satisfying your need for a more detailed DNA/RNA analysis.



EP-10 with optional power supply

Feature

- The electrophoresis system is a molded transparent polycarbonate product with superior shock-resistance, transparent, and durability to acrylic adhesives.
- Detachable electrode assembly allows for easy cleaning and maintenance.
- Each unit comes with one banana cable. Black & red cables are coupled together and can be inserted or extracted at the same time.
- UV-transparent gel trays allow for viewing bands on the UV-transilluminator without removing gel tray.
- Diverse-sized molded gel trays and casters for leak-free casting
 - EP-5 : 82x81mm (1ea) and 82x58mm (2ea) gel trays with one comb position.
 - EP-10 : 181x103mm (2ea) gel trays with max. four comb positions.
 - EP-18 : 181x206mm (1ea) gel tray with max. six comb positions.
- Double-sided combs are provided depending on each model.
 - EP-5 : 1mm thick 27-and 40-well comb (1ea)
 - EP-10, 18 : 1.5mm thick 20-and 31-well comb (2ea), 1mm thick 20-and 31-well comb (2ea), 1.5mm thick 16-and 20-well comb (2ea), 1mm thick 16-and 20-well comb (2ea), 1.5mm thick 25-and 34-well comb (2ea), 1mm thick 25-and 34-well comb (2ea)
- 31-well comb and 16-well comb for matching multichannel pipettes. Suitable for large amounts of sample screening- up to 186 samples at once using 6 combs in EP-18 gel tray.
- Comb-setting grooves in gel trays or caster prevents sliding of combs.
- Adjustable gel length.
- Flat, uniformly thick gels are formed by built in level maker on the gel tray and level bubble on the gel castor.



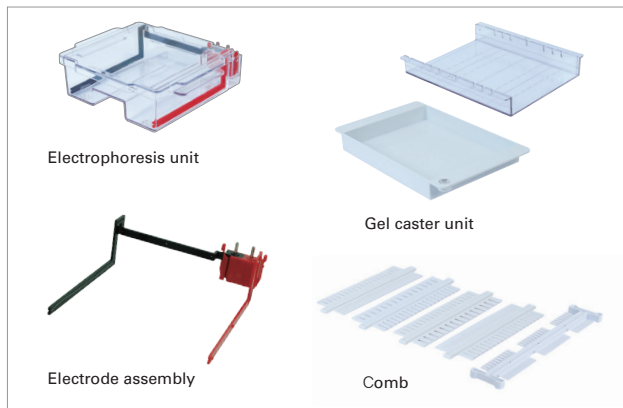
Model		EP-05	EP-10	EP-18
Buffer capacity (L / cu ft)		0.5 / 0.02	1.0 / 0.04	1.8 / 0.07
Material	Tank, Lid, Gel tray, Gel caster	PC (polycarbonate)		
	Comb	ABS (acrylonitrile-butadienestyrene)		
	Electrode	Platinum wire		
Dimension	Electrophoresis tank (mm / inch)	219x134x71 / 8.6x5.3x2.8	219x214x71 / 8.6x8.4x2.8	387x214x71 / 15.2x8.4x2.8
	Gel caster (WxDxH) (mm / inch)	254x87x18 / 10x3.4x0.7	167x264x30 / 6.6x10.4x1.2	167x264x30 / 6.6x10.4x1.2
	Gel tray (WxDxH) (mm / inch)	82x81x17 / 3.2x3.2x0.7	180x103x29 / 7.1x4.1x1.1	180x206x29 / 7.1x8.1x1.1
		82x58x17 / 3.2x2.3x0.7		
	Comb (WxD) (mm / inch)	225x45 / 8.9x1.8	158x46 / 6.2x1.8	158x46 / 6.2x1.8
Net weight (Kg / lbs) ¹⁾		0.39 / 0.86	0.60 / 1.32	0.93 / 2.05
Cat. No.		AAAJ6011	AAAJ6021	AAAJ6031

1) Electrophoresis unit's weight

* Included Electrophoresis unit, Gel caster unit, Comb in one system. (power supply is not included)

※ FDA establishment registered company. FDA listed products.

Accessories & Options



Power supply

- Four pairs of outlet terminals enable running 4 cells simultaneously.
- Folding front legs obtain wider viewing angle.
- Compact and stackable design.
- EPS-300 comes with one banana cable together.



Cat. No.	Description	Suitable for
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/tray)	EP-05
AAAJ6512	Gel caster unit (gel caster/tray)	EP-10
AAAJ6513	Gel caster unit (gel caster/tray)	EP-18
AAAJ6521	Electrode assembly	EP-05
AAAJ6522	Electrode assembly	EP-10
AAAJ6523	Electrode assembly	EP-18
AAAJ6531	Comb 27/40 well, thickness 1.0mm (5ea)	EP-10/18
AAAJ6536	Comb 25/34 well, thickness 1.0mm (5ea)	
AAAJ6537	Comb 25/34 well, thickness 1.5mm (5ea)	
AAAJ6532	Comb 20/31 well, thickness 1.0mm (5ea)	
AAAJ6533	Comb 20/31 well, thickness 1.5mm (5ea)	
AAAJ6534	Comb 16/20 well, thickness 1.0mm (5ea)	
AAAJ6535	Comb 16/20 well, thickness 1.5mm (5ea)	

Model	EPS-300
Output range	5–250 V, fully adjustable in 1 V steps 20mA–3000mA, fully adjustable in 10mA steps Max. 300 W
Type of output	Constant voltage, Constant current
Output terminals	4pair recessed banana jack in parallel
Timer	1min to 99hr 59min, Continuous (elapsed time display)
Pause/Resume function	Yes
Display	7-segment 4 digit LED, 2 line
Safety features	No-load detection, Rapid resistance change detection, Ground leak detection, Over current protection, Overvoltage protection, Overpower protection, Over temperature protection
Dimensions (WxDxH) (mm / inch)	230x307x92 / 9.1x12.1x3.6
Material	ABS
Net weight (Kg / lbs)	2.5 / 5.5
Electrical requirements	AC 100 to 240V, 50/60Hz
Power consumption	4.0A at 100V, 1.7A at 240V (max voltage & max power)
Cat. No.	AAAJ6541