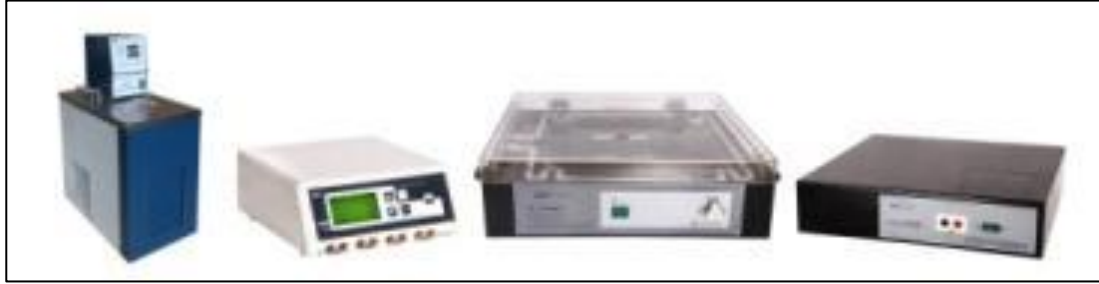


Pulsed Field Electrophoresis system (BL- 600MCS-3)



Technical specifications:

The isolated fragment	100bp-6Mb
Voltage gradient	Maximum of 9.5V/cm, increment 0.1v/cm.
Maximum current	0.5A
Maximum power	300W
Pulse angle	$\pm 120^\circ$ 、 $\pm 180^\circ$, Having the field reversal function.
Pulse width	1~9999s or programmed pulse or 1~20s pulse line increase
Module timer	1min~99hours 59min
Temperature ranges	$10^\circ\text{C}\sim 30^\circ\text{C}$, Accuracy to less than $\pm 0.5^\circ\text{C}$
Temperature detection	Direct detection of buffer solution temperature, error is less than $\pm 0.1^\circ\text{C}$.
Cyclic module	inner buffer cyclic system
Control function	Dual core microprocessor intelligent control, with the program editing and automatic connection function, Open cover power-off protection function, overload protection, no-load automatic memory function, the function of automatic shutdown function.

Power supply module for Pulsed electric field:

Molding shell, touch keys, dual core microprocessor intelligent control, with the program editing and automatic connection function, open cover power-off protection function, overload protection, no-load automatic memory function, the function of automatic shutdown function.

Output mode control allocation module for Pulsed electric field:

In the control of CPU intelligent control unit, control of farm output in accordance with the procedure of mode of pulse electric power module, the controlled pulsed field voltage, current, electric field, electric field angle duration, output to a specific sub electrode pulse electrophoresis tank.

Pulsed electrophoresis tank module:

Pulse field gel electrophoresis electrode composed of hexagonal, each side electrode are respectively provided with 3 independent sub electrodes. The pulsed field electrophoresis pulsed field driving power supply output with pulsed field electrophoresis tank to specific points on the electrode, pulsed field strength, electric field, electric field angle conversion time meet the experimental pulse field gel electrophoresis experiments need. At the same time control buffer cooling cycle unit to realize the constant temperature operation of the electrophoretic run, ensure the electrophoresis experiment effect.

Constant temperature circulator module:

With buffer refrigeration circulation pump, control electrophoresis temperature effectively, the use of high efficiency, long-life service.