

# Pulsed Field Gel Electrophoresis System

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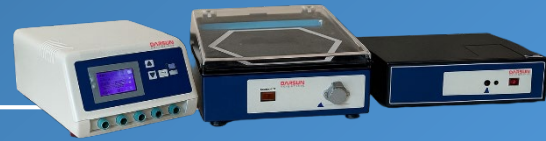
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**Darsun**Scientific

# Darsun Scientific Pulsed Field Gel Electrophoresis System

## DS-600FGE-3



Voltage gradient:  $\pm 0.5V / cm \sim \pm 9.5V / cm$  Fixed pulse width range: 1-999995

Incremental pulse width range: 0.01-99.99S or 1-9999S

A variety of incremental modes, suitable for exploring different DNA fragments of the experimental results.

Multi-function clock with leap year and daylight saving time correction. Digital key and shortcut key setting function.

Setting correction and program correction function. Pause / Recovery run function.

Recording power off time and intelligent recovery function. Recording experimental data's function.

Molding electrode frame, with  $ct > 0.5mm$  platinum electrode, deformation resistant, long life service, to ensure stable experimental efficiency.

Temperature detection: directly detect the temperature of buffer. Tolerance:  $\leq \pm 0.1 ^\circ C$ . Classic program database and free database-upgraded service for free.

### Product Overview

**Power supply module:**

Molding shell, touch keys, dual core microprocessor intelligent control, editable program, open cover power-off, overload and no-load protection, automatic connection, automatic memory and shutdown functions.

**Output mode control allocation module:**

Under the control of CPU intelligent unit, the power supply can provide outputs to electric-field according to program mode. The controlled voltage, current, electric field angle and duration are outputted to a specific sub- electrode pair of the electrophoresis tank to form a experimental pulse electric filed.

**Electrophoresis tank module:**

The tank is composed of hexagonal pulse electrophoresis electrodes. There are three independent sub-electrodes to each side, which can distribute the pulse field driving power to specific sub-electrode pairs It can enable the pulse

field strength, electric angle and conversion time to meet the needs of pulse field electrophoresis experiment. Meanwhile, it also can control the buffer cooling unit to keep the electrophoresis running in constant temperature and ensure the experiment result.

**Constant temperature circulator module:**

Built-in buffer cooling circulation pump ,it can effectively control the electrophoresis temperature , keep the unit high-efficient use and long-life service.

194.0-  
14S S-  
97.0-  
48 S-  
23.1-  
9.42-  
6.5S-  
4.36-  
2.32-  
2.03-



**The imageshows:**

**low range PFGMarker  
Pulsed field gel  
electrophoresisresults**

**The conditions of  
electrophoresis: 1% agarose gel,  
electrophoresis buffer Milli-QTM  
water preparation of 0.5XTBE  
(50mM Tris-HCL, 50mM 1mM,  
boric acid ,EDTA)**

**With 4.5V/cm voltage,  
Pulse time from one second to 12  
seconds, Temperature 5°C,  
electrophoresisof 15 hours.**

Model	DS-600FGE-3
Glass plate size (WxL)	120X120 (mm)
Gel size (WxL)	9-13
Gel thickness	~3000 (ML)
Dimension	Power supply : 280x240x110 (mm)
	Pulsed tank: 465x445x142 (mm)
	Output control allocation 465x445x100(mm)
Constant temperature circulator	196x406x482 (mm)
Weigh	85.2 (kg)
Parts name	Quantity
Power supply	1
Output control allocation	1
Pulsed Electrophoresis tank	1
Constant temperature circulator	1
Gel casting	1
120x 120mm Gel tray	1
Gel pad	1
2.0mm thickness 9-well comb	2
2.0mm thickness 13-well comb	2
Sample module	2
Sample exporter	2
Level	1
Clip	2
Circular tube	3
level adjusting button	4
Control line	2
Electrical Cables	1
Power cord	1