

ELECTROPHORESIS & GEL DOC SYSTEMS



PRECISE
SEPARATION



RELIABLE
RESULTS

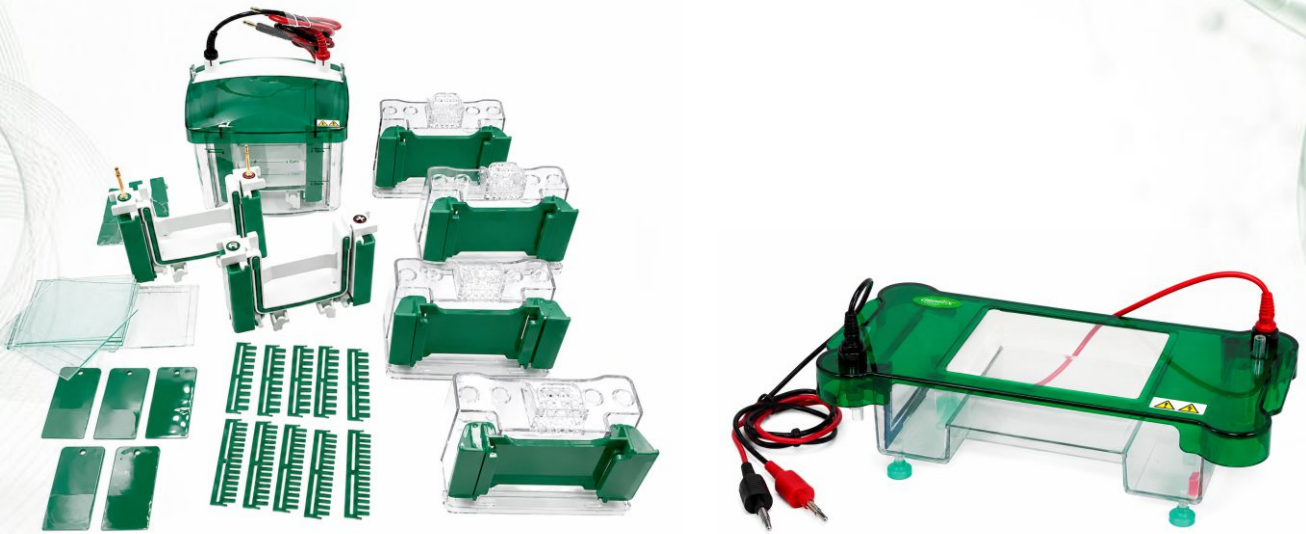


ADVANCED
TECHNOLOGY



EASY TO USE
& MAINTAIN

Precise Separation. Powerful Result



INNOVATE ANALYZE DISCOVER



DNA
ANALYSIS



RNA
ANALYSIS



PROTEIN
ANALYSIS



EDUCATION
& TRAINING



RESEARCH
APPLICATIONS

Selection Standard

Part number	Gel size WxL (cm)	Gel castor	Comb thickness
H815181 Mini Hort Electrophoresis I	4.8x7.5 cm (01)	Yes	1.0 m 1.5 m
GX-10102001 Mini Hort Electrophoresis II	7.0x7.0 cm (01) 7.0x10.0 cm (01)	Yes	0.75 m 1.0 m 1.5 m
GX-10117001 Midi Hort Electrophoresis III	12x12cm (01) 12x6cm (01), 6x12cm (01) 6x6cm (2 nos)	Yes	1.0 m 1.5 m
GX-10101001 Midi Hort Electrophoresis IV	13x13cm (01) 13x6.5 cm (01) 6.5x13cm(01) 6.5x6.5cm (02)	Yes	0.75 m 1.0 m 1.5 m 2.0 m
H815185 Maxi Hort Electrophoresis V	20x20cm (01) 20x15 cm (01) 20x10cm(01)	Yes	1.00 m 1.5 m 2.0 m
H815187 Maxi Hort Electrophoresis VII	26x36cm (01)	Yes	1.0 m
H815188 Maxi Hort Electrophoresis VIII	24.5x25cm (01)	Yes	1.0 m 1.8 m

Standard

Part number	Gel size WxL (cm)	Gel castor	Comb thickness
GX-10110002 Mini EasypRRO-2 Vertical Electrophoresis	8.3x7.3cm	Yes	1.0 m 0.75 m 1.5 m
GX10110001 Mini EasypRRO-4 Vertical Electrophoresis Cell	8.3x7.3cm	Yes	1.0 m 0.75 m 1.5 m
GX-10103002 Mini PRO-2 Vertical Electrophoresis	10x10cm <i>**Compatible with with mini precast gel of ThermoFisher NuPage and ThermoFisher Novex and mini precast gel of BIO-RAD mini-PROTEAN TGX</i>	Yes	1.0 m 0.75 m 1.5 m
GX10103001 Mini PRO-4 Vertical Electrophoresis Cell	10x10cm <i>**Compatible with with mini precast gel of ThermoFisher NuPage and ThermoFisher Novex and mini precast gel of BIO-RAD mini-PROTEAN TGX</i>	Yes	1.0 m 0.75 m 1.5 m

chart

Accessories

Well size (mm)	Number of wells	Buffer volume (ml)	Recommended power supply
96	3, 5, 9 wells (2 of each)	150 ml	GX300/GX300C Gx600/GX-600C
96	3, 5, 9 wells (2 of each)		
96	9, 16 wells (1 of each)	300 ml	GX300/GX300C Gx600/GX-600C
96	9, 16 wells (1 of each)		
96	9, 16 wells (1 of each)		
96	11+11/25 wells (1 nos)	1000 ml	GX300/GX300C Gx600/GX-600C
96	6+6/13 wells (2 nos)		
96	8+8/18 wells (2 nos)		
96	11+11/25 wells (4 nos)		
96	7+7/14 wells (1 nos)	1000 ml	GX300/GX300C Gx600/GX-600C
96	9+9/19 wells (1 nos)		
96	12+12/27 wells (4 nos)		
96	7+7/14 wells (1 nos)		
96	9+9/19 wells (1 nos)		
96	3+3/3+2 wells (1 nos)	1700 ml	GX300/GX300C Gx600/GX-600C
96	24 wells (2 nos)		
96	36 wells (2 nos)		
96	22 wells (2 nos)		
96	44 wells (2 nos)	1400 ml	Gx600/GX-600C
96	24 wells (2 nos)		
96	36 wells (2 nos)	2000 ml	Gx600/GX-600C
96	28 wells (6 nos)		
96	19 wells (2 nos)		
96	26 wells (2 nos)		
96	44 wells (2 nos)	2000 ml	Gx600/GX-600C
96	52 wells (2 nos)		
96	19 wells (2 nos)		
96	26 wells (2 nos)		
96	44 wells (2 nos)	2000 ml	Gx600/GX-600C
96	52 wells (2 nos)		
96	19 wells (2 nos)		
96	26 wells (2 nos)		

Accessories

Well size (mm)	Number of wells	Gel capacity	Recommended power supply
96	10 wells (1 nos) 15 wells (01 nos) Short glass plate: 100×73mm; Spacer glass plate: 100×83mm	1-2 gels	GX300/GX300C/200C Gx600/GX-600C
96	10 and 15 wells (optional)		
96	10 and 15 wells (optional)		
96	10 wells (1 nos) 15 wells (01 nos) Short glass plate: 100×73mm; Spacer glass plate: 100×83mm	1-4 gels	GX300/GX300C/200C Gx600/GX-600C
96	10 and 15 wells (optional)		
96	10 and 15 wells (optional)		
96	10 wells (1 nos) 15 wells (01 nos) Short glass plate: 100×100mm; Spacer glass plate: 100×100mm	1-2 gels	GX300/GX300C/200C Gx600/GX-600C
96	10 and 15 wells (optional)		
96	10 and 15 wells (optional)		
96	10 wells (1 nos) 15 wells (01 nos) Short glass plate: 100×100mm; Spacer glass plate: 100×100mm	1-4 gels	GX300/GX300C/200C Gx600/GX-600C
96	10 and 15 wells (optional)		
96	10 and 15 wells (optional)		

Selection

Part number	Output	Display	Sensitivity
GX-10105001 Basic Power supply	300V/400mA/75W	192×64 LCD	Voltage: 1V, current: 1W, time
GX-10107001 Universal Power Supply	600V/1200mA/500W	192×64 LCD	Voltage: 1V, current: 1W, time
GX-300 Basic Power supply	5-300V, 1-300mA, maximum 90W	LED display	Voltage: 1V, current: 1W, time
GX-600 Universal Power Supply	5-600V, 1-200mA, maximum 120W	LED display	Voltage: 1V, current: 1W, time
Blotting system	Standard		
Part number	Working area (cm)	Timer (min)	Gel capacity
GX-10113001 easyBLOT fast blotting system	15.5×11.0cm	10 min	2 mini gels /
Part number	Working area (cm)	Timer (min)	Gel capacity
GX-10112001 Fast semi-dry blotting system	15.5×11×2 cm	10-15 min	4 mini gels/2
Part number	Working area (cm)	Timer (min)	Gel capacity
GX-10120001 coolBLOT Fast wet blotting system 1-4 gels with in-built thermostatic circulator	8.2×9.2mm	Programmable methods	1-4 g
Part number	Highthroughput	Temperature	Program
GX-10501001 Automatic Western Blot Processing System with incubator	At most 12 incubation tanks working simultaneously, max incubation membranes are 24pcs	2-40°C (adjustable)	1-9 n
Part number	Pixel size/Image area	Image resolution/Effective resolution	Exposure
GX-10701001 GenePHOTO Gel Doc System	1.85µm x 1.85µm/16x21cm	12 megapixels/ 4024×3036	34 µs ~
Part number	Pixel size/Image area	Image resolution	Exposure
GX-10702001 Gene-chemiPHOTO Fully automatic chemiluminescence imaging system	4.63µm x 4.63µm/ 10x14cm	11.7MP	60µs-36
GX-10703001 Gene-flexiDOC All-in-one flexible imaging — chemiluminescence and UV gel imaging.	4.63µm x 4.63µm/ UVgel: 16x21cm/ chemiluminescence: 11X8.5cm	11.7MP	60µs-36
Part number	Working area (cm)	Wavelength (nm)	Nos of wave
GX-UV312 UV Transilluminator, 312nm. Transmission size: 20×15 cm	20x15 cm	312 nm	Sing
UV-26 UV Transilluminator, 302/365 nm, Transmission size: 21×26cm	21x26 cm	302nm, 365nm	Dua
Part number	Working area (mm)	Temperature	Time
GX-NZG Vacuum Gel Drier, Drying size (W×L) :440×360 (mm) Drying control: 0~80°C	440×360 mm	0-80 degC	20~40
GX-189410-22 Rocker 410C, PTFE Coated Chemical Resistant Vacuum Pump AC220V, 50Hz	Max. power: 80W, Max. current: 0.4A Max. vacuum: 25 mbar abs.	Max. flow rate: 23 L/min Motor rotation speed: 1750 RPM	Horse power Noise level

chart

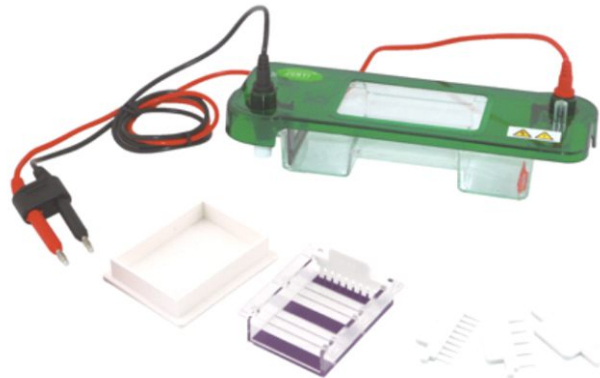
Limit	Throughput	Timer	Dimension (mm)/Weight
Current: 1mA, power: 1min	4-group parallel connection	1min-99h59min	300x240x100 (LxWxH)/2 kg
Current: 1mA, power: 1min	4-group parallel connection	1min-99h59min	300x240x100 (LxWxH)/2.5 kg
Current: 1mA, power: 1min	2-group parallel connection	1min-99h59min	300x240x100 (LxWxH)/3.2 kg
Current: 1mA, power: 1min	2-group parallel connection	1min-99h59min	300x240x100 (LxWxH)/3.2 kg
Accessories			
Capacity	Compatible consumables		Recommended power supply
1 midi gels	Compatible with traditional semi-dry transfer consumables for 30 min semi-dry transfer, and various gel types and concentration ratios		GX-200C/6000C
Capacity	Compatible consumables	Display	Recommended power supply
1 midi gels	Compatible with traditional semi-dry transfer consumables for 30 min semi-dry transfer, and various gel types and concentration ratios	5-inch capacitive touch screen	Built-in integrated power supply voltage 0-26V (1V adjustable), current (0-2.6A) (0.1 adjustable)
Capacity	Compatible consumables	Display	Recommended power supply
1 gels	Open to use any manufacturer	NA	Built-In power supply
Shaking times	Shaking speed (rpm)	Display	Recommended power supply
100sec	60-110rpm	Yes	Fully automated
Exposure time	Excitation source	Display	Transmission UV/Emission filters
2sec	Double LED white light	10.1 inch capacitive touch LCD screen	365nm/302nm/1 included (standard), 5 optional
Exposure time	Excitation source	Display	Cooling System
100sec	Double LED white light	12.1 inch capacitive touch LCD screen	With cooling facility : Dual Stage TEC cooler, about-35°C below ambient
100sec	Double LED white light	12.1 inch capacitive touch LCD screen	With cooling facility : Dual Stage TEC cooler, about-35°C below ambient
Exposure length	Transmission UV lamp power	UV protection cover	Intensity
10sec	8 W	Yes	Single Intensity
10sec	8 W (each)	Yes	Variable intensity 5% - 100%
Exposure time	Dimension (LxWxH)	Weight (kg)	Optional recommended accessory
10min	550x450x165 (mm)	23 kg	GX-189410-22 Rocker 410C, PTFE Coated Chemical Resistant Vacuum Pump AC220V, 50Hz
Power: 1/6 HP Noise: 52 dB	Dimension (LxWxH): 31 x 13.5 x 20.4 cm	Net weight: 5.7 Kg	Vacuum regulator: Yes Thermal protection: Yes

Mini Horizontal Electrophoresis I

H815181

Feature

- Abundant buffer not only guarantees cooling effects but also keeps the pH value stable during the whole experiment process.
- Unfolded electrodes make repair and parts replacement easy and quick.
- With the sample background color design on the tray, convenient to adding the sample.
- The transparent top lid effectively prevents liquid in the cell from volatilizing and avoids electricity leakage.
- Auto-switch-off when the lid is removed.
- High Quality Grade PC body material



Technical Parameter

Dimensions (L x W x H)	25×9.5×6 (cm)
Gel Size (W x L)	4.8×7.5 (cm)
Comb specification:	3, 5, 9. (Nos.)
Buffer Volume:	~150ml.
Net weight:	0.4 kg

Ordering Information

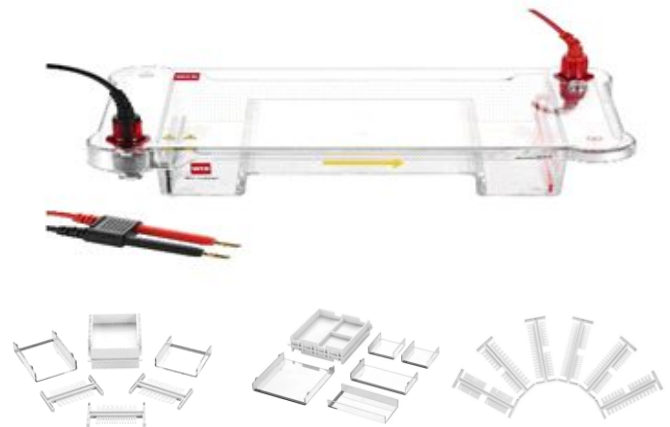
Cat #	Description
H815181	Electrophoresis I : Gel size 4.8 x 7.5 cm, with standard accessories

Mini Horizontal Electrophoresis II

GX-10102001

Feature

- Separation and analysis of at most 32 samples within 20 minutes, which is advantageous in recycle of DNA fragment.
- The gel tray with fluorescent gauge is high temperature resistant, non-deformed in 100°C. Gel irrigation can be done before agarose is cooled.
- Built-in movable e-engine without washer, easy maintenance, non-leakage.



Technical Parameter

Dimension (L×W×H):	26×11×8cm
Gel Size:	7×7cm & 7×10cm
Comb specification:	0.75mm: 9wells/16wells; 1.0mm: 9 wells/16 wells; 1.5mm: 9 wells/16 wells.
Buffer volume:	260ml
Weight:	0.6 kg

Ordering Information

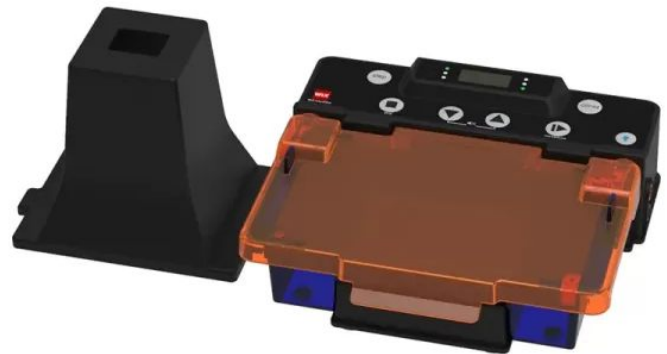
Cat #	Description
GX-10102001	Electrophoresis II, Gel Size 7 x 10 cm, with standard accessories

Horizontal Blue Ray Electrophoresis System III

GX-10117001

Feature

- A system that contains functions of horizontal electrophoresis tank, electrophoresis power supply, blue ray gel cutting, blue ray image (a camera is excluded).
- Protein function of built-in power supply, set once to run the spacer gel and separation gel automatically.
- 5 programs are store
- Blue ray intensity adjustment includes 3 levels.
- There is a forced convection device in the electrophoresis system to avoid water mist on the lid of the electrophoresis
- PCR electrophoresis: Comb 1mm25 wells *4 rows, run 100 samples simultaneously (including Maker).
- Gel tray with high temperature resistance, without any deformation at 100°C, no need to wait agarose warm for gel cast.
- One multi-purpose centrifugal pipe rack with 91 holes of various apertures.



Technical Specifications

Dimension(L×W×H):	30×17×8cm
Gel Size:	12×12cm, 12×6mm, 6×12mm, 6×6cm
Comb specification:	1.0mm: 11+11 wells /25 wells; 1.5mm: 6+6 wells /13 wells, 1.5mm: 8+8 wells /18 wells, 1.5mm: 11+11 wells /25 wells
Buffering liquid volume:	up to 1000ml
Weight:	2.0 kg

Ordering Information

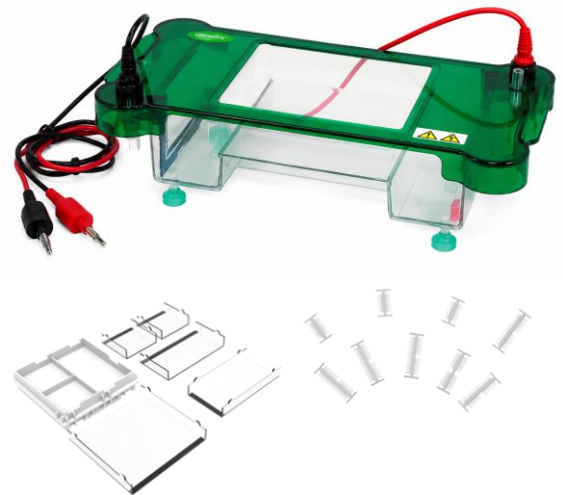
Cat #	Description
GX-10117001	Electrophoresis III, Gel Size 12×12cm with standard accessories

Midi Horizontal Electrophoresis IV

GX-10101001

Feature

- The electrode assembly is snap-fit to avoid leakage due to aging of rubber gasket caused by traditional plastic screw tightening.
- Silkscreen indicates electrophoresis direction to put electrophoresis samples into the right electrode in order not running into the buffer. 0.25 mm 99.99% of platinum wire is used, 56% more than diameter of ordinary electrophoresis platinum wire, to improve the life of the product.
- The accessories are made by integral injection mold, transparent and longer lifetime.
- Separation and analysis of at most 108 samples within 20 minutes, which is advantageous in recycle of DNA fragment.
- Gel tray with high temperature resistance, without any deformation at 100°C, no need to wait agarose warm for gel cast.



Technical Specifications

Dimension (L×W×H):	30×17×8cm
Gel area:	13×13mm, 13×6.5mm, 65×13mm, 6.5×6.5cm
Comb specification:	0.75mm: 7+7wells/14wells, 9+9wells/19wells; 1.0 mm: 12+12wells/27wells 1.5mm: 7+7wells/14wells, 9+9wells/19wells; 2.0mm: 3+2wells/3+3wells
PCR electrophoresis : compatibility	Comb27 wells*4 rows
Buffering liquid volume:	1000ml
Weight:	1.1 kg

Ordering Information

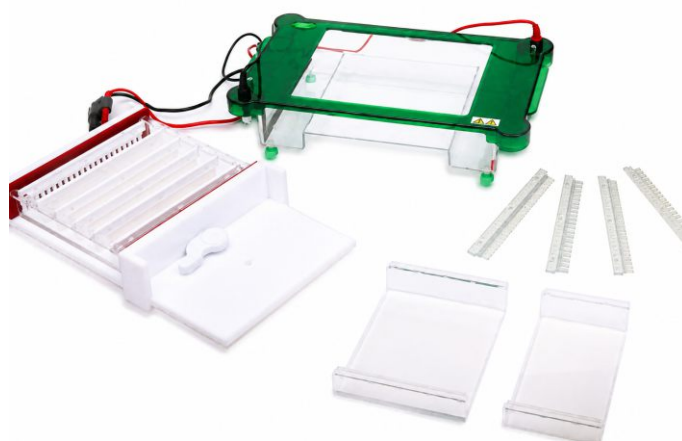
Cat #	Description
GX-10101001	Electrophoresis IV, Gel Size 13×13cm, with standard accessories

Maxi Horizontal Electrophoresis V

H815185

Feature

- Abundant buffer not only guarantees cooling effects, but also keeps the pH Value stable during the whole experiment process.
- Unfolded electrodes make repair and parts replacement easy and quick.
- With a special gel casting, preventing the gel leakage, operation is simple and convenient.
- The transparent top lid effectively prevents liquid in the cell from volatilizing and avoids electricity leakage.
- Auto-switch-off when the lid is removed.



Technical Specifications

Dimension (L×W×H):	39.7×23×9.3 cm
Gel Size (W×L):	20×20cm; 20×15cm; 20×10cm
Sample volume:	17, 22, 36, 44.
Buffer Volume:	~1800ml.
Net weight:	3.3 kg

Ordering Information

Cat #	Description
H815185	Electrophoresis V, Gel Size 20×20cm with standard accessories

Maxi Horizontal Electrophoresis VII

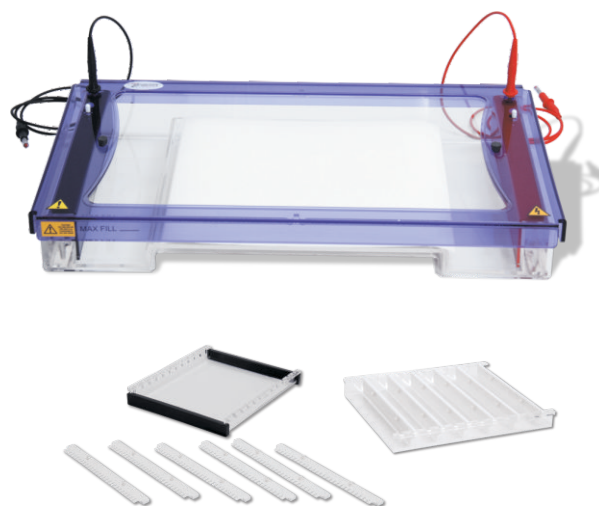
H815187

Applications

Designed for both preparative and analytical studies of nucleic acids.

Technical Specifications

Dimensions (L x W x H):	50 x 28 x 9 cm
Gel Size (W x L):	26 x 32 cm
Comb specifications:	28 (168 Maximum) with multiple combs
Buffer Requirement:	1400 ml
Weight:	3.2 kg



Ordering Information

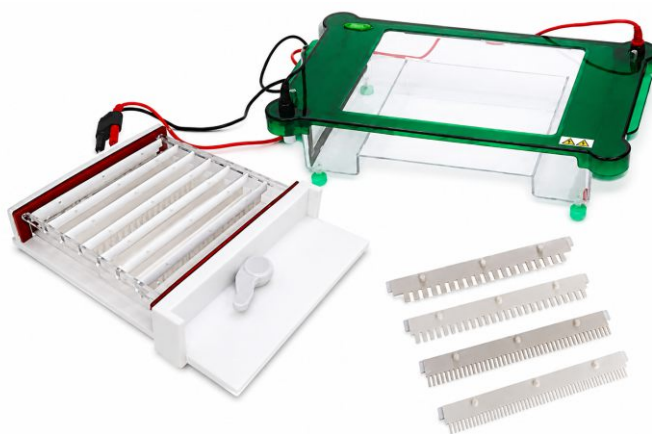
Cat #	Description
H815187	Electrophoresis VII, Gel Size 26X32 cm with standard accessories

Mixi Horizontal Electrophoresis VIII

H815188

Feature

- Abundant buffer not only guarantees cooling effects, but also keeps the pH Value stable during the whole experiment process.
- Removable electrode enables maintain and replacement easy and quick.
- Adding sample more quick and suitable for the multi-channel pipettes.
- With a special gel casting, preventing the gel leakage, operation is simple and convenient.
- The transparent top lid effectively prevents liquid in the cell from volatilizing and avoids electricity leakage.
- Auto-switch-off when the lid is removed.



Technical Specifications

Dimension (L×W×H):	48.7×30×9.3 cm
Gel specification (W×L):	245×250mm.
Comb specification:	19~364 (with multiple combs)
Buffer Volume:	~2000ml.
Net weight:	3.8 (kg)

Ordering Information

Cat #	Description
H815188	Electrophoresis VIII, Gel Size 24.5×25 cm with standard accessories

Power Supply

(GX-300 / GX-600)

Feature

- Moulding shell, touch keys, microprocessor intelligent control;
- With automatic memory function.
- With standard, timing operation function.
- Automatic detection of no-load, over-load.

Technical Specifications (Basic Power Supply)

Type of Output:	Constant-Voltage, Current
Output range:	5~300V, 1~300mA, maximum 90W
Increment:	1V, 1mA
Timer Range:	1min~9hr, 59min
Display:	LED
Output jacks:	Two sets of output jacks



Technical Specifications (Universal Power Supply)

Type of Output:	Constant-Voltage, Current
Output range:	5~600V, 1~200mA, maximum 120W
Increment:	1V, 1mA
Timer Range:	1min~9hr, 59min
Display:	LED
Output jacks:	Two sets of output jacks

Ordering Information

Cat #	Description
GX-300	Basic Power Supply, 2 outputs, output range, 5~300V, 1~300mA, maximum 90W
GX-600	Universal Power Supply, 2 outputs, output range, 5~600V, 1~200mA, maximum 120W

Basic Power Supply

GX-10105001

Feature

- Output: Automatic switch between constant voltage and constant current.
- Protein function: Automatic switching from spacer gel mode to separated gel mode, reducing the tedious manual reset.
- Safety: Automatic monitor of over-voltage, voltaic arc, no load, sudden change of load, overload, and short circuit. Leakage protection, function of pause.
- Others: LCD readable voltage, current, time set. 4-group parallel connection with multi-electrophoresis apparatus.



Technical Specifications

Dimension (L×W×H):	30×24×10cm
Output range:	10-300V; current: 1-400mA; 75 W
Sensitive limit:	voltage 1V, current: 1mA
Display mode:	192×64 LCD
Time set:	1min-99h59min
Weight:	2.0Kg

Ordering Information

Cat #	Description
GX-10105001	Basic Power Supply, 4 outputs, 10-300V; current: 1-400mA; 75 W

Universal Power Supply

GX-10107001

Feature

- Output: constant voltage, constant current and constant power.
- Automatic adjustment: Any one of constant voltage, constant current and constant power is set constant value, the rest are set automatically, which avoids the manual working and phenomenon of false-constant value.
- Micro-current mode: micro-current mode is triggered automatically once the electrophoresis activity is finished, which avoids the diffusion of sample and idle work.
- Protein function: Under constant 80V, protein electrophoresis is to run spacer gel for 30min, and then run separating gel under constant 120V. Automatic switching from spacer gel mode to separated gel mode, reducing the tedious manual reset.
- Safety: Automatic monitor of over-voltage, voltaic arc, no load, sudden change of load, overload, and short circuit. Leakage protection, function of pause, alarming of open circuit
- Others: LCD readable voltage, current, power, time set. 4 - group parallel connection with multi-electrophoresis apparatus. Storage of 20 programmes with each less than 10 steps.



Technical Specifications

Dimension (L×W×H):	30×24×10mm
Output range:	10-600V; current: 1-1200mA; 1-500W
Sensitive limit:	voltage 1V, current: 1mA, power: 1W
Time set:	1min-99h59min
Display mode:	192×64 LCD
Weight:	2.5Kg

Ordering Information

Cat #	Description
GX-10107001	Universal Power Supply, 4 output, output range, 10-600V; current: 1-1200mA; 1-500W

Mini EasyPRO-2 / Mini EasyPRO-4 Vertical Electrophoresis Cell

GX-10110002 / GX-10110001

Feature

- There are foot stands at the bottom of the gel-casting frame to prevent the glass plate from sliding.
- The gel-casting frames are durable. The full plate of the gel-casting frames helps user observing casting gel easily.
- The press-locker gel base avoids the gel leakage caused by aging or poor function of traditional spring-locker.
- The side fastener of electrophoresis core presses the short glass onto the sealing gasket tightly to avoid liquid leakage caused by traditional rotary side fastener.
- cam gel-making frame ensures the accurate aligning.
- Casting 1-4 gels simultaneously.
- Thickness and well-marked comb is readable.
- Platinum electrode: $\phi 0.25\text{mm}$.



Technical Specifications

Model number:	GX-10110002 (easyPRO-2)	GX-10110001 (easyPRO-4)
Gel quantity	1-2 nos	1-4 nos
Gel thickness	1.0mm, 0.75mm & 1.5mm	
Glass plates	Short glass plate: 10×7.3cm; Spacer glass plate: 10×8.3cm	
Gel size	8.3×7.3cm	
Comb	1.0mm: 10 and 15 wells (standard accessories) 0.75mm: 10 and 15 wells (optional) 1.5mm: 10 and 15 wells (optional)	
Precast gels and size	Compatible with BIO-RAD mini-PROTEAN TGX Max: 10x8 cm	
Dimension	18×13×16 cm (L×W×H)	
Weight (kg)	3 kg	4 kg

Mini PRO-2/Mini PRO-4 Vertical Electrophoresis Cell

GX-10103002 / GX-10103001

Feature

- Being compatible with mini precast gel of ThermoFisher NuPage, ThermoFisher Novex and BIO-RAD mini-PROTEAN TGX.
- Holding 1-4 precast gel(s), running 4 mini precast gels within 1 hour.
- Platinum electrode: $\phi 0.25\text{mm}$.



Technical Specifications

Model number:	GX-10103002 (Mini PRO-2)	GX-10103001 (Mini PRO-4)
Gel quantity	1-2 nos	1-4 nos
Gel thickness	1.0mm, 0.75mm & 1.5mm	
Glass plates	Short glass plate:	10×10cm; Spacer glass plate: 10×10cm
Gel size	10×10cm	
Comb	1.0mm: 10 and 15 wells (standard accessories) 0.75mm: 10 and 15 wells (optional) 1.5mm: 10 and 15 wells (optional)	
Precast gels and size	Compatible with mini precast gel of ThermoFisher NuPage and ThermoFisher Novex and mini precast gel of BIO-RAD mini-PROTEAN TGX	
Dimension	18×13×16 cm (L×W×H)	
Weight (kg)	1 kg	1.2 kg

easyBLOT Fast Blotting System

GX-10113001

Feature

- Fast transfer, various reagent for choices.
- Built-in cooling module for effective heat dissipation to avoid experiment failure and electrode damage due to excessive temperature. Flat cassette design, support multiple stacking to save space.

Technical Specifications

Model	easyBLOT Fast Blotting System
Transfer area	155×110mm
Transfer speed	2 mini gels or 1 midi gels within 10 minutes
Recommended power supplies	High current electrophoresis power supply (250V, 3000mA, 300W), to have a better test result.
Electrode	Slide cassette into the bay of easyBLOT until it makes contact with the magnetic interlock in the back of the tub and you hear a click.
Compatible consumables	Compatible with traditional semi-dry transfer consumables for 30 min semi-dry transfer, and various gel types and concentration ratios.
Dimensions	262mm×212mm×78mm (L×W×H)
Weight (kg)	2.0



Ordering Information

Cat #	Description
GX-10113001	easyBLOT Fast Blotting System

Fast semi-dry Blotting System

GX-10112001

Feature

- With high efficient heat dissipation channel, to release the heat during the operation and ensure the reliability of the lab in the low temperature.
- Easy operation: compatible with ready-to-use blot consumable package of other brands, no need to prepare buffer and membrane.
- Customer interface, 5-inch sensitive capacitive touch screen.
- Automatic programme running; the preset programme guides the lab designing and modifying the programme manually on the basic of the needs (25 groups of data are available for recorded automatic storage and customer-decisive storage).
- Electrode Design: Buckle locking mode with plate electrode design ensure uniformity of pressure and field strength.

Technical Specifications

Model	Fast Semi Dry Blotting System
Temperature	5°C~40°C
Relative moisture	20%~80%
High throughput	4 mini gels or 2 midi gels
Blot area	15.5×11×2 cm
Blot speed	2 mini gels within 10 minutes, 4 mini gels or 2 midi gels within 15 minutes
Blot cassettes	2 pcs
Power Built-in	integrated power supply voltage 0-26V (1V adjustable) current (0-2.6A) (0.1 adjustable)
Display	5-inch capacitive touch screen
Dimensions (mm)	290×220×200 (L×W×H)
Weight	3.9
4 mini gels or 2 midi gels	220V



Ordering Information

Cat #	Description
GX-10112001	Fast Semi-dry Blotting System

coolBLOT Fast Wet Blotting System

GX-10120001

Feature

- Built-in power supply and thermostatic circulator for direct buffer circulation.
- Simultaneous voltage and current display with efficient buffer cooling to prevent overheating.
- Suitable for both protein and nucleic acid electrophoresis.
- Transfers up to 4 gels simultaneously with independent chambers to eliminate field interference.
- Color-coded transfer clips prevent incorrect polarity connections.
- Specially designed safety lid prevents reverse electrical connections.
- Stores up to 5 programs, each with 2 programmable steps.
- Supports constant voltage and constant current operation for protein and DNA electrophoresis.



Technical Specifications

Transfer area:	82×92mm
No. of Gels	1-4 gels
Material of Electrode:	Stainless Steel Orifice Plate
Output :	10-200V, 10-6000mA, 200W (±1)
Program:	Up to 5
Dimensions:	31.×16×21 cm (L×W×H)
Weight :	3.9 kg

Ordering Information

Cat #	Description
GX-10120001	coolBLOT Fast Wet Blotting System

UV Transilluminator (302nm)

GX-UV312

Feature

- The high transparent UV protective screen, can be opened to any angle, safe operation, convenient.
- Using the UV filter glass, quartz ultraviolet lamp, long service life, light uniform.

Technical Specifications

View Area (W×L):	20×15 cm
Wavelength:	302 (nm)
Transmission UV lamp power:	8 (W)
Dimension (L×W×H):	32.5×26.5×15 (cm)
Weight:	4.6 kg

Ordering Information

Cat #	Description
GX-UV312	UV Transilluminator, 302 nm, View Area 20 x 15 cm



UV Transilluminator (302/365nm)

UV-26

Technical Specifications

Dimensions (LxWxH):	34x29x8.5 cm
UV Lamps:	302/365nm (8W)
Intensity :	5% ~ 100%
View Area (LxW):	260x210 cm
UV Safety Cover (LxW):	32x28 cm
Weight	5 kg

Ordering Information

Cat #	Description
GX-26	UV Transilluminator 302/365nm View Area 26x21cm



Automatic Western Blot Processing System with incubator

GX-10501001

Feature

- Fully automatic, after the addition of reagents, the instrument automatically completes blocking of the membrane, the incubation of primary antibodies and second antibodies and washing without manual operation.
- incubation tanks are controlled by different independent programs for good repeatability of experiment, each incubation tank is placed with different primary antibodies and secondary antibodies and blocking buffer.
- incubation tank is removed and installed by sliding in and out of incubation bay, which is flexible and convenient to operate, and greatly reduce the volatilization of antibodies and antibody activity.
- incubation tank consists of a divisible combination of tanks for primary antibody and secondary antibody, easy for antibody addition and cycle.
- workstation type for addition of primary antibody and secondary antibody, pipette is cleaned automatically before each pipette to avoid cross contamination. After the program of experiment is finished, the pipelines are cleaning automatically to remove the residual reagent.
- Capacitive touch screen is easy for users, shows real-time of each incubation tank, running status and remaining time of each incubation.
- After incubation, the washing buffer is retained in the incubation tank to maintain low speed vibration to keep the membrane moist.
- There will be sound prompt when key steps and programs are ended.
- High through put: At most 12 incubation tanks working simultaneously, max incubation membranes are 24 pcs.



Ordering Information

Cat #	Description
GX-10501001	Automatic Western Blot Processing System with Incubator

Technical Specifications

Parameter	Details
High throughput	At most 12 incubation tanks working simultaneously, max incubation membranes are 24 pcs.
Four modes	Constant temperature mode, Ladder temperature mode, Room temperature mode, and washing mode. Samples in different incubation tanks under constant temperature mode and room temperature mode are incubated anachronically.
Peltier temperature control	2-40°C temperature adjustment to incubate at 4? overnight, or to incubate at 37? quickly. Under ladder temperature mode, there is no need to set temperature for blocking, primary antibody incubation, and secondary antibody incubation.
Cycling of primary and secondary antibodies	Automatic cycling of primary and secondary antibodies, cycle rate of up to 95%, repeated use up to 10 times
Antibody dosage	2~6ml (XS incubation tank), 3~8ml (S incubation tank), 6~18ml (M incubation tank), 9~20ml (L incubation tank)
Incubation tanks (optional)	15 × 85mm (max 12 pcs), 30 × 80mm (max 12 pcs), 64 × 80mm (max 6 pcs), 98 × 80mm (max 4 pcs), and different sizes of incubation tanks can be used mixed.
Programmes	Up to 9
Shake speed range	60-110 rpm
Dimensions (mm)	580×360×320 (L×W×H)
Weight (kg)	27.0

GenePHOTO Gel Doc System

GX-10701001

Feature

- Excellent low light imaging quality.
- Built-in computer, automatic door, open and close the door without touching it with gestures to avoid cross contamination.
- 10.1 inch capacitive touch LCD screen.
- Automatically turn off the UV to avoid personnel injury.

Technical Specifications

Model	Gene-PHOTO Gel Doc System
Sensor model	AR0521
Sensor size	1/2.5 inch
Pixel size	2.2µm x 2.2µm
Effective resolution	2592×1944
Maximum image area	16x21cm
Image resolution	5 megapixels
Exposure time	28µs ~ 0.6sec
Shutter type	Electronic Rolling Shutter
Lens aperture	F2.8-F16C
Excitation source	Double LED white light
Screen size	10.1 inch capacitive touch LCD screen
Transmission UV	365nm/302nm
Blue wavelength	470nm
Emission filters	1 included (standard), 5 optional
Dimensions (mm)	360×350×530 (L×W×H)

Ordering Information

Cat #	Description
GX-10701001	GenePHOTO Gel Doc System



Gel Dryer

GX-NZG

Vacuum Gel Drier is designed for all kinds of electrophoresis gel drying. In order to prevent gel cracking, the gel drier is used to process it during daily experiments.

Technical Specifications

Dimension (L×W×H):	55×45×16.5 cm
Drying size (W×L):	44×36 cm
Drying control:	0~80°C
Timing range:	20~40 min
Weight:	23 kg

Ordering Information

Cat #	Description
GX-NZG	Vacuum Gel Drier, Drying Size 44x36cm
GX-189410-22	Rocker 410C, PTFE Coated Chemical Resistant Vacuum Pump



Gene-chemiPHOTO Imaging System

GX-10702001

Feature

- Ultra-low cooling temperature for extremely low image noise.
- Well-known cutting-edge lens with large aperture, auto focus and aperture adjustment.
- Built-in computer, automatic door, open and close the door without touching it to avoid cross contamination.
- 12.1inch capacitive touch LCD screen.
- Double layer light avoidance structure of the front door for effectively elimination of background stray light.



Technical Specifications

Parameter	Details
Model	Gene-chemiPHOTO Imaging System
Sensor model	SONY IMX492
Sensor size	4/3 inch
Pixel size	4.63 μ m \times 4.63 μ m
Effective resolution	4164 \times 2796
Maximum image area	10 \times 14 cm
Image resolution	11.7 MP
Exposure time	60 μ s - 3600 sec
Shutter type	Electronic Rolling Shutter
Lens aperture	F0.95
Excitation source	Double LED white light
Screen size	12.1 inch capacitive touch LCD screen
Quantum efficiency	90% (peak)
Full Well Capacity (1 \times 1, 2 \times 2, 3 \times 3)	65ke-
A/D	14bit
Readout Noise	1.6-1.2e- @ High gain mode 6.9-5.2e- @ Low gain mode
Dark Current	0.002e- /pixel/sec @ -20 $^{\circ}$ C 0.005e- /pixel/sec @ -20 $^{\circ}$ C
Cooling System	Dual Stage TEC cooler, about -35 $^{\circ}$ C below ambient
Optic Window Type	AR+AR High Quality Multi-Layer Anti-Reflection
Dimensions (mm)	320 \times 430 \times 430 (L \times W \times H)

Ordering Information

Cat #	Description
GX-10702001	Gene-ChemiPHOTO Imaging System

Gene-Flexidoc All In One Flexible Imaging System

GX-10702001

Feature

- All-in-one flexible imaging — chemiluminescence and UV gel imaging.
- Built-in computer, 12.1 inch capacitive touch LCD screen.
- Ultra-low cooling temperature for extremely low image noise.
- Well-known cutting-edge lens with large aperture, auto focus and aperture adjustment.
- Multi-functions, with various excitation light source and unique emission filters, meet different experimental.
- Double layer light avoidance structure of the front door for effectively elimination of background stray light.
- Automatically turn off the UV to avoid personnel injury.



Technical Specifications

Model	Gene-Flexidoc All in one Flexible Imaging System
Sensor model	SONY IMX492
Sensor size	4/3 inch
Pixel size	4.63 μ m x 4.63 μ m
Effective resolution	4164x2796
Maximum image area	16x21cm
Image resolution	11.7 MP
Exposure time	60 μ s-3600sec
Shutter type	Electronic Rolling Shutter
Lens aperture	F0.95
Excitation source	Double LED white light
Screen size	12.1 inch capacitive touch LCD screen
Quantum efficiency	90% (peak)
Full Well Capacity (1x1, 2x2, 3x3)	65ke-
A/D	14bit
Readout Noise	1.6-1.2e- @High gain mode/6.9-5.2e- @Low gain mode
Dark Current	0.002e- /pixel/sec@-20 $^{\circ}$ C/0.005e- /pixel/sec@-20 $^{\circ}$ C
Cooling System	Dual Stage TEC cooler, about -35 $^{\circ}$ C below ambient
Optic Window Type	AR+AR High Quality Multi-Layer Anti-Reflection Coating
Transmission UV	365nm/302nm
Blue wavelength	470nm
Emission filters	2 included (standard), 4 optional
Dimensions (mm)	375x400x585 (LxWxH)

Ordering Information

Cat #	Description
GX-10703001	Gene-Flexidoc All in one Flexible Imaging System

Multi Mode Plate Reader



Micro Volume Spectrophotometer



Gene Fragment Analyzer



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