



Electrophoresis



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Mini EZA Vertical Electrophoresis Cells (83x73mm)

Advantages

Electrophoresis Core

The sliding round bars of electrophoresis core lifts the short glass plate that there is no need to push up manually.

Gel-casting frame

The whole flat plate is easy for observation of the gel casting process.

The bottom supporter avoids glass plate falling down from the gel-casting frame.

Gel Base

The enforced PC locker is stable and durable. The press and push lock to clamp the glass plate firmly with even force.



Features

- The bottom of the gel-casting frame is supported by very flat glass to prevent the glass plate from sliding.
- The press-lock mechanism works better. The contrasting design clearly reflects the making process of separated gel. The press-to-lock design avoids the gel leakage caused by aging or poor function of traditional spring-pressure.
- The design of sliding wedge of side fastener of electrophoresis core presses the short glass onto the sealing gasket tightly to avoid liquid leakage caused by traditional rotary side fastener.
- The cam gel-making frame ensures the accurate aligning.
- Including 2 or 4 independent gel-cast frame and casting 1-4 gels simultaneously.
- Easy to read the gauged glass plate and clearly marked comb.
- Platinum electrode: $\phi 0.25\text{mm}$.

Model	EZA1 Mini Quad Vertical Electrophoresis Cell	EZA2 Mini Duo Vertical Electrophoresis Cell
Gel quantity	1-4 gels	1-2 gels
Gel thickness	1.0mm, 0.75mm, 1.5mm	
Glass plates	Short glass plate: 100×73mm; Spacer glass plate: 100×83mm	
Gel size	83×73mm	
Combs	1.0mm: 10 and 15 wells (standard accessories) 0.75mm: 10 and 15 wells 1.5mm: 10 and 15 wells	
Dimension (mm)	180×130×160(L×W×H)	

Mini EZB Vertical Electrophoresis Cells

Advantages

Electrophoresis Core

The sliding round bars of electrophoresis core lifts the short glass plate that there is no need to push up manually.

Gel-casting frame

The whole flat plate is easy for observation of the gel casting process.

The bottom supporter avoids glass plate falling down from the gel-casting frame.

Gel Base

The enforced PC locker is stable and durable. The press and push lock to clamp the glass plate firmly with even force.



Advantages

Mini Vertical Electrophoresis Cells is high quality equipment, made for high performance and great durability. Extra thick 0.25 mm 99.99% of platinum wire helps to improve the life of the product.

Integral injection molding of imported polycarbonate of plastic accessories, transparent, longer lifetime.

Features

- Filler strip is fixed to glass place to avoid leakage of gel.
- Gel-making kit ensures the accurate aligning.
- Single Mold, Excellent leak-proofness.
- Special comb does not stop gel polymerization. Built-in kit isolates gel from air.
- Thickness and well-marked comb is readable.
- Equipped with multi-functional gel scraper.
- Platinum electrode: $\varnothing 0.25\text{mm}$.

Model	EZB1 Mini Vertical Electrophoresis Cell	EZB2 Mini Vertical Electrophoresis Cell
Gel quantity	1-4 gels	1-2 gels
Gel thickness	1.0 mm, 0.75 mm, 1.5 mm	
Glass plates	Short glass plate: 100×73 mm Spacer glass plate: 100×83 mm	
Gel size	83×73 mm	
Combs	1.0 mm: 10 and 15 wells (standard accessories) 0.75 mm: 10 and 15 wells 1.5 mm: 10 and 15 wells	
Dimension (mm)	180×130×16 (L×W×H)	

Precast Gel Vertical Electrophoresis Cells

Features

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

Specifications

Model	PRE01 MiniVertical Electrophoresis Cell	PRE02 MiniVertical Electrophoresis Cell
Gel quantity	1-4 gels	1-2 gels
Max compatible gel size	10×10cm	
Dimension (mm)	180×130×160(L×W×H)	

Mini Vertical Blot Cells (2 gels)

Cat No MBL0T02

Transferring protein sample to nitrocellulose membrane, PVDF membrane etc.

Two transfer plates are available.

Configuration

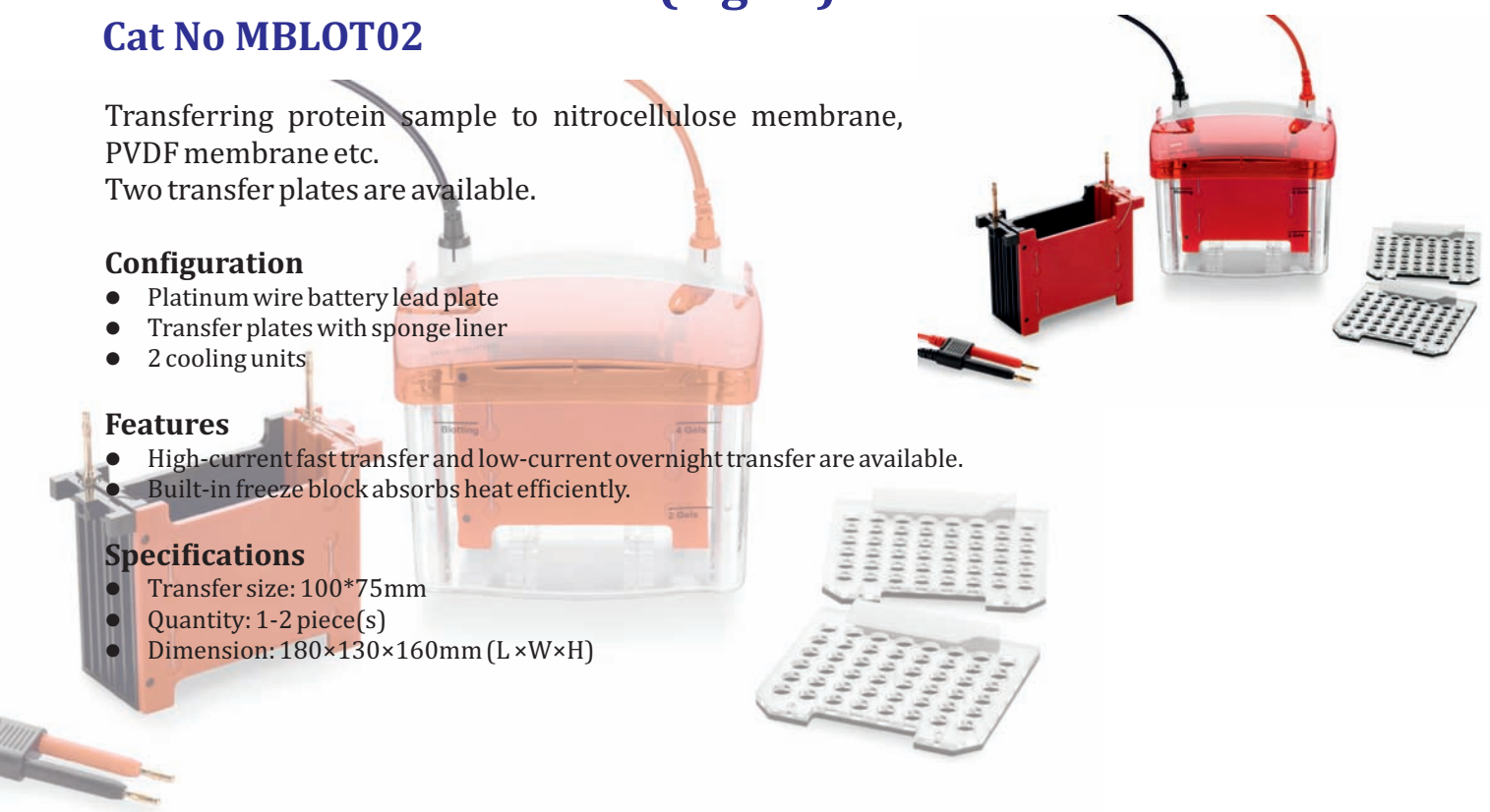
- Platinum wire battery lead plate
- Transfer plates with sponge liner
- 2 cooling units

Features

- High-current fast transfer and low-current overnight transfer are available.
- Built-in freeze block absorbs heat efficiently.

Specifications

- Transfer size: 100*75mm
- Quantity: 1-2 piece(s)
- Dimension: 180×130×160mm (L×W×H)



Mini Vertical Blot Cells (4 gels)

Cat No MBL0T01



Features

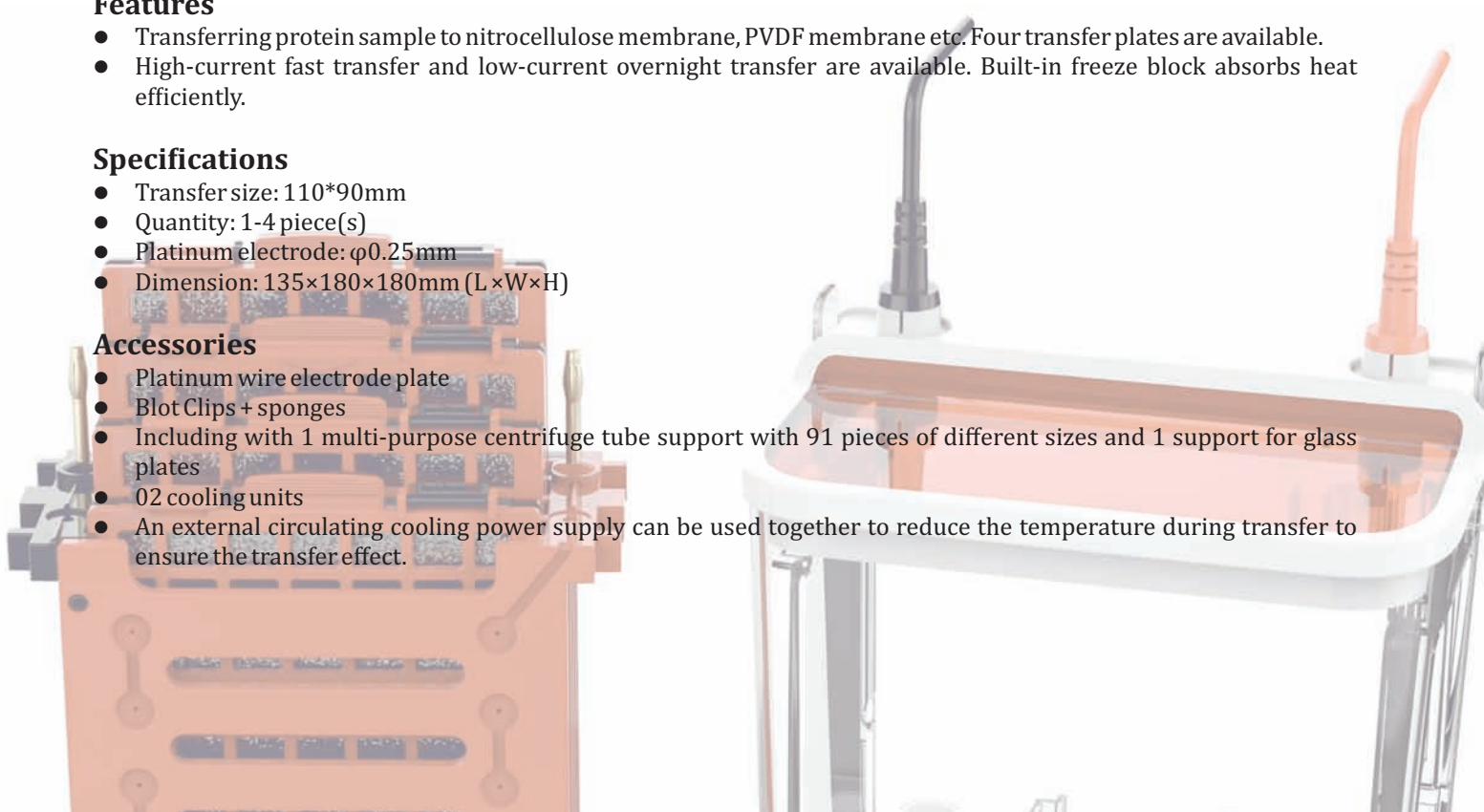
- Transferring protein sample to nitrocellulose membrane, PVDF membrane etc. Four transfer plates are available.
- High-current fast transfer and low-current overnight transfer are available. Built-in freeze block absorbs heat efficiently.

Specifications

- Transfer size: 110*90mm
- Quantity: 1-4 piece(s)
- Platinum electrode: $\phi 0.25$ mm
- Dimension: 135×180×180mm (L×W×H)

Accessories

- Platinum wire electrode plate
- Blot Clips + sponges
- Including with 1 multi-purpose centrifuge tube support with 91 pieces of different sizes and 1 support for glass plates
- 02 cooling units
- An external circulating cooling power supply can be used together to reduce the temperature during transfer to ensure the transfer effect.



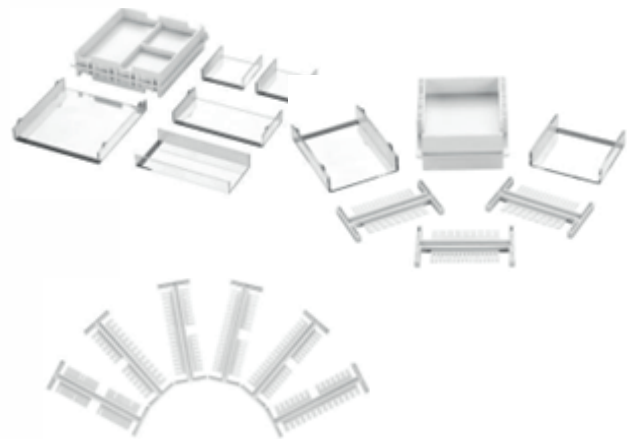
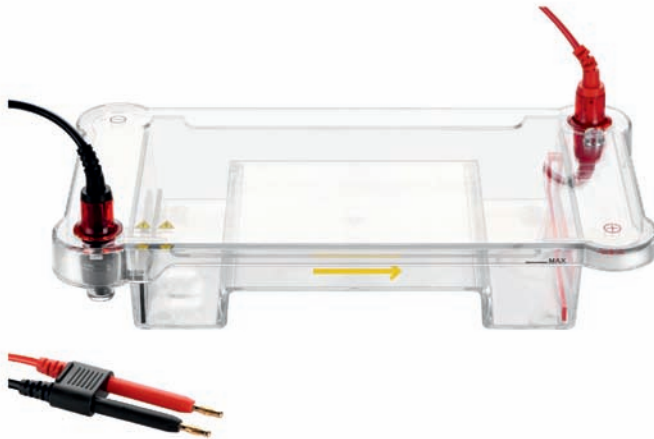
Horizontal Electrophoresis Cells

Advantages

- The arc-spark stand is snap-fit to avoid leakage due to aging of rubber gasket caused by traditional plastic screw tightening.
- The power cord connection is snap-fit, easy for replacement.
- 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.
- Integral injection molding of imported polycarbonate of plastic accessories, transparent, longer lifetime.

Features

- Separation and analysis of at most 108 samples within 20 minutes, which is advantageous in recycle of DNA fragment.
- The gel tray with fluorescent gauge is high temperature resistant, non-deforming at 100°C. Gel irrigation can be done before agarose is cooled.
- Built-in movable e-engine without washer, easy maintenance, no leakage.



Specifications

Model	MDNA01 Multipurpose Horizontal Electrophoresis Cell	MDNA02 Mini Horizontal Electrophoresis Cell
Gel size	130×130mm, 130×65mm, 65×130mm, 65×65mm	70×70mm, 70×100mm
Combs	0.75mm: 7+7 wells/14 wells, 9+9 wells/19 wells; 1.0 mm: 12+12 wells/27 wells 1.5mm: 7+7 wells/14 wells, 9+9 wells/19 wells; 2.0mm: 3+2 wells/3+3 wells	0.75mm: 9 wells/16 wells; 1.0mm: 9 wells/16 wells; 1.5mm: 9 wells/16 wells
Max samples	108(PCR- Comb 27 wells*4 rows)	32
Buffer volume	1000ml	260ml
Dimension (mm)	300×170×80(L×W×H)	260×110×80(L×W×H)
Weight(kg)	1.1	0.6

Electrophoresis Power Supplies

A high-quality Electrophoresis power supply that comes with world class style and safety. Output: constant voltage, constant current and constant power.

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.

Power supply designed with LCD display, showing simultaneously of voltage, current, power and timing.

Features

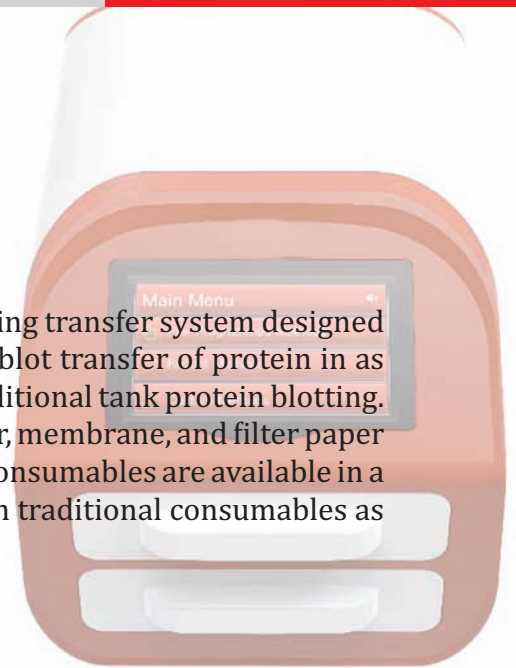
- Output: constant voltage, constant current and constant power.
- Automatic adjustment: Any one of constant voltage, constant current and constant power is set constant value, the rest are set automatically, which avoids the manual working and phenomenon of false-constant value.
- Micro-current mode: 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 programs with each less than 10 steps.

Model	BS300 Basic Electrophoresis Power Supply	UN600 Universal Electrophoresis Power Supply	HC3000 High Current Electrophoresis Power Supply
Output	300V/400mA/75 W	600V/1200mA/500W	250V/3000mA/300W
Display	192×64LCD		
Sensitive limit	voltage 1V, current: 1mA, power: 1W, time: 1min		
Throughput	4-group parallel connection		
Time set	1min-99h59min		
Dimension (mm)	300×240×100 (L×W×H)		
Weight (kg)	2.0	2.5	2.5

Rapid Blot Transfer System

Cat no. RAPID01

The Rapid Blot Transfer System is a high-performance western blotting transfer system designed to provide rapid transfers with high efficiency. The system enables blot transfer of protein in as little as 3 minutes without losing efficiency when compared with traditional tank protein blotting. The Rapid Blot Transfer System comes with optional optimized buffer, membrane, and filter paper combination that provides excellent blot transfers. Protein blotting consumables are available in a ready-to-use, pre-packaged stack or in bulk quantities. It works with traditional consumables as well.



Features

- Temperature: 5°C~40°C; Relative moisture: 20%~80%.
- Blot throughput: 4 mini gels or 2 midi gels; 2 blot cassettes, one of the two cassettes can be used for operation or two cassettes can be used respectively in the right orders. Two independent blot programs can be used at the same time. The blot area is 15.5x11x2 cm.
- The unique design for highly efficient heat dissipation channel to dissipate the heat during the run and ensure the reliability and safety of experiment.
- Easy operation, ready-to-use blot consumable package, no need to prepare buffer and membrane;
- Blot speed: blotting 2 mini gels within 3 minutes, blotting 4 mini gels or 2 midi gels within 7 minutes.
- Built-in integrated power supply, voltage 0-30V (1V adjustable) current (0-3A) (0.1 adjustable).
- 5-inch capacitive touch screen for convenient operation and programming. The preset program guides the user to design experiments and can be modified manually. 9 positions are available for preloaded/custom program storage.
- Carefully designed Electrodes enhances the performance and longevity of the product. Buckle locking mode with plate electrode design ensure uniformity of pressure and field strength during the run.
- Open system that supports compatible, traditional lab reagent and consumable as well.
- Dimension (mm): 290x220x200
- Weight: 3.9kg
- Standard Configuration: 1 set of Blot System (including built-in power supply and 2 pieces of blot cassettes)

Automatic Western Blot Processing

Cat No AUTOWEST01

- This is a Automatic, high throughput instrument with good repeatability of experiment.
- Different sample incubation tanks are controlled by different independent programs to facilitate the arrangement of experiment.
- Mechanical arm type for adding primary antibody and secondary antibody.
- Compact size, large touch screen and advance user friendly design.
- Fully automated: no need manual operation after the reagent addition.
- Flexible throughout: 12 incubation tanks. Each incubation tank is filled with different primary antibodies and secondary antibodies, at most 24 membranes can be dealt simultaneously.
- Available sizes of incubation tanks: 30×80mm, 64×80mm and 98×80mm
- Automatic recycle of primary antibody and secondary antibody which can be used ten times.
- Automatic pipe washing and removing the residual reagent when program ends.
- The interface indicates the real time condition of every mode.
- The washing buffer can stay in sample tray so as to keep the membrane wet.
- Compatible with many brands of consumables.



Gel Shakers



Product	CircularShaker	CircularShaker	LinearShaker	LinearShaker
Model	GELC330	GELC180	SKL330	SKL180
Circular Motion	10mm	20mm	10mm	20mm
Maxload	7.5kg	3kg	7.5kg	3kg
Motor	BrushlessDC	DC	BrushlessDC	DC
Speed	100~500rpm	40~200rpm	100~350rpm	40~200rpm
Speed/timer indicator	LCD			
Timerange	1 min-19h59min			
Voltage	100~240V50/60Hz			
Power	20W	20W	20W	20W
Product	Tilting Shaker	Tilting Shaker	3D Shaker	3D Shaker
Model	GELT330	GELT180	GELD330	GELD180
angleof inclination	10°	7°	10°	7°
Maxload	10kg	3kg	5kg	3kg
Motor	DC motor			
Speed	10~70rpm	10~80rpm	10~70rpm	10~80rpm
Speed/timer indicator	LCD			
Timerange	1 min-19h59min			
Voltage	100~240V50/60Hz			
Power	40W	20W	50W	20W

Dry Baths



Model	DBHCS01	DBHS01	DBHC01
Function	Heating, cooling and mixing	Heating and mixing	Heating and cooling
Temperature range	15 below RT to 100	5 +RT to 100	25 below RT to 100
Temperature set range	0.1 ~100	15 ~100	-5 /100
The deviation range	± 0.1		
Temperature uniformity	± 0.5		
Speed adjustment	300~2000		--
Mixing diameter	3		
Screen	LCD		
Maximum program number	9		
Input voltage	100-240V, 50Hz/60Hz		
Power	200W	200W	200W
Time set range	1min~99h59min		
Ambient Range	5~40 / RH upto 80%		