



2020/21 Catalog
Electrophoresis
Products



Our company

Dedicates to serve the needs of life science, clinical, and pharmaceutical researchers, the company combine the R&D, manufacture, and sales of own products such as electrophoresis and blotting systems and power supplies; and offers High technology products & solutions from European and American manufacturer cover the application of Molecular Biology Research and general purpose in Bio-Lab.; and also offer the import and export agent services for clients.

Quality Certifications

Our Products



All of CAVOY products is manufactured under the rule of *iso9001* and meet the European CE certificate. The technical and quality control is strict accordance with the standard of cutting-edge products in the world. We are engaged in become the worldwide supplier in research products.

Technical Service

Contact us “Base on Services, Leading in Technique”

We supplied more than products, but the solutions and conveniences to the research customers. If you have any requires or questions, please contact us or your local agent directly. All of our people are delighted to offer our best.

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VPAGE[®] II Large Format Vertical Electrophoresis System

VPAGE[®] II is a brand new Large Format Vertical Electrophoresis Cell. Patent* design offered an unique cooling system. It is a good tools for protein analysis and small molecule nucleic acid high-resolution analysis.

- High quality molded by Bayer PC.
- Patented* electrophoresis core, easy handling, leakage proof.
- Efficiency cooling system* keep the electrophoresis temperature under controlled throughout.
- Maxima 96 sample loading meet the requirement of throughput.
- Buffer saving component requires buffer less 1L.

* China patent 0031365. X, 0043259.3, 0033387. X, 0033358. 3, 0033390.1



Ordering Information

Cat. No.	Product Description
VP-1810	VPAGE [®] II Large Format Vertical Electrophoresis System, 1.0 mm
VP-1815	VPAGE [®] II Large Format Vertical Electrophoresis System, 1.5 mm

Specifications:

Gel Size	20 x 20 cm (PAGE Gels)
Number of gels	1 ~ 2
Buffer Volume	200 ml (Upper) 700 ml (Lower)
Sample Capacity	4 ~ 96 (two gels)
Dimensions	30 x 30 x 8 cm

Power Bs Power Supply

New Power Bs is a compact power supply. Reduced footprint save valued space of lab table. Superior output meet the most experimental needs. Safety and Easy Operate guarantee the efficiency and reliability.

Application Recommended:

- * Agarose electrophoresis
- * General educational electrophoresis
- * Vertical electrophoresis for protein
- * Mini tank transfer (normal/fast)



Ordering Information

Cat. No.	Product Description
PP-1151	Power Bs Power Supply, 300V / 600mA / 100W

Specifications:

Voltage Output	10~300 V in 1V steps
Current Output	4~600 mA, in 1mA steps
Power Output	100 W (max)

Power B Series Power Supply

Consist of many modes of power supplies: Power B, Power BV, Power BC, Power BU, Power B4A, Power 1000, Power 3000, and the newest Power Bs, the Power B series power supplies can meet your everyday requirements in lab electrophoresis. With the highly efficient output and stable performance, it is the right choice for you to run vertical (mini or large) electrophoresis, horizontal electrophoresis, electrophoretic transfer, or the Semi-dry transfer applications.

**3 years
warranty**

Modes	Power B	Power BV	Power BC	Power Bs
Voltage Output	10 - 300 V	10 – 600 V	10 – 300 V	10 – 300 V
Current Output	4 – 400 mA	4 – 800 mA	10 – 2000 mA	4 – 600 mA
Power Output	75 W (max)	200 W (max)	200 W (max)	100 W (max)

Modes	Power BU	Power B4A	Power B1000	Power B3000
Voltage Output	4 – 600 V	4 – 300 V	4 – 999 V	10 – 3000 V
Current Output	10 – 2000 mA	10 – 4000 mA	4 – 999 mA	4 – 200 mA
Power Output	400 W (max)	400 W (max)	200 W (max)	120 W (max)

Features & Benefits

Reliability & Performance

Microprocessor controlled high frequency switching power supply; Power B series power supply delivers good stability, high efficiency, and drives your everyday electrophoresis applications to their maximum performance. As a result of using light load scheme, Power B series power supply is your best choice when you need a reliable functional power which with small heat, light weight, and long life-time.

Fashion Design & Good Look

A sleek new design, made from molded high-strength PC, with rubber keys and a green transparency case, make the Power B series power supply has attractive appearance, and advantages in anti-aging, corrosion resisting, and handle comfort.

Easy-to-use & Powerful Function

Yes, it's big on usability, with 1-999 min timer, constant voltage or constant current output, and a new resume run capacity lets you can continue your electrophoresis applications automatically with saved parameters. Simply four rubber keys perform all functions needed in electrophoresis experiments.

High Performance with Low Cost

Advanced circuitry, accurate voltage or current outputs, trustable stability, excellent performance and reasonable price, Power B power supply must be the best choice for the research and education electrophoresis labs.

Power B Basic Power Supply

CE



Voltage	Current	Power
300 V	400 mA	75 W
Application Recommended:		
Mini vertical electrophoresis		
Horizontal electrophoresis		
Mini tank transfer (normal)		

Specifications:

- 1. Output voltage: 10 – 300 V in 1v steps
- 2. Output current: 4 – 400 mA in 1 mA steps
- 3. Output accuracy: ±1%
- 4. Output Power: 75W max
- 5. Timing: 1 – 999 min fully adjustable
- 6. Display: 3-digital LED
- 7. Type of output: Constant voltage or Constant current
- 8. Resume function: Yes, after power failure
- 9. Operation conditions: 0-40°C ,0-95% humidity
- 10. Safety features: No load detection, sudden load change detection, overload / short circuit protection.
- 11. Dimension: 31×24×8 cm (L×W×H)
- 12. Weight: 1.5kg
- 13. Certificate: CE



Ordering Information

Cat. No.	Product Description
PP-1150	Power B Power Supply, 300V / 400mA / 75W

Power Bs Power Supply

CE



Voltage	Current	Power
300 V	600 mA	100 W
Application Recommended:		
Large vertical electrophoresis		
Mini vertical electrophoresis		
Horizontal electrophoresis		
Mini tank transfer (normal/Fast)		

Specifications:

1. Output voltage: 10 – 300 V in 1v steps
2. Output current: 4 – 600 mA in 1 mA steps
3. Output accuracy: $\pm 1\%$
4. Output Power: 100W max
5. Timing: 1 – 999 min fully adjustable
6. Display: 3-digital LED
7. Type of output: Constant voltage or Constant current
8. Resume function: Yes, after power failure
9. Operation conditions: 0-40°C, 0-95% humidity
10. Safety features: No load detection, sudden load change detection, overload / short circuit protection.
11. Dimension: 25x19x8 cm (LxWxH)
12. Weight: 1.2kg
13. Certificate: CE

Ordering Information

Cat. No.	Product Description
PP-1151	Power Bs Power Supply, 300V / 600mA / 100W

Power BC Power Supply



Voltage	Current	Power
300 V	2000 mA	200 W
Application Recommended:		
Mini vertical electrophoresis		
Horizontal electrophoresis		
Mini tank transfer (normal/fast)		
Large tank transfer		
Semi-Dry electrophoretic transfer		

Specifications:

1. Output voltage: 10 – 300 V in 1v steps
2. Output current: 10 – 2000 mA in 10 mA steps
3. Output accuracy: $\pm 1\%$
4. Output Power: 200W max
5. Timing: 1 – 999 min fully adjustable
6. Display: 3-digital LED
7. Type of output: Constant voltage or Constant current
8. Resume function: Yes, after power failure
9. Operation conditions: 0-40°C, 0-95% humidity
10. Safety features: No load detection, sudden load change detection, overload / short circuit protection.
11. Dimension: 31x24x8 cm (LxWxH)
12. Weight: 1.5kg
13. Certificate: CE

Power BV Power Supply



Voltage	Current	Power
600 V	800 mA	200 W
Application Recommended:		
Large vertical electrophoresis		
Mini vertical electrophoresis		
Horizontal electrophoresis		
Mini tank transfer (normal)		

Specifications:

1. Output voltage: 10 – 600 V in 1v steps
2. Output current: 10 – 800 mA in 1 mA steps
3. Output accuracy: $\pm 1\%$
4. Output Power: 200W max
5. Timing: 1 – 999 min fully adjustable
6. Display: 3-digital LED
7. Type of output: Constant voltage or Constant current
8. Resume function: Yes, after power failure
9. Operation conditions: 0-40°C, 0-95% humidity
10. Safety features: No load detection, sudden load change detection, overload / short circuit protection.
11. Dimension: 31x24x8 cm (LxWxH)
12. Weight: 1.5kg
13. Certificate: CE

Ordering Information

Cat. No.	Product Description
PP-1152	Power BC High Current Power Supply, 300V / 2000mA / 200W
PP-1156	Power BV High Voltage Power Supply, 600V / 800mA / 200W

Power BU Utility Power Supply

CE



Voltage	Current	Power
600 V	2000 mA	400 W

Application Recommended:

Mini vertical electrophoresis
 Large vertical electrophoresis
 Horizontal electrophoresis
 Mini tank transfer (normal/fast)
 Large tank transfer
 Semi-Dry electrophoretic transfer

Specifications:

- Output voltage: 10 – 600 V in 1v steps
- Output current: 10 – 2000 mA in 10 mA steps
- Output accuracy: $\pm 1\%$
- Output Power: 400W max
- Timing: 1 – 999 min fully adjustable
- Display: 3-digital LED
- Type of output: Constant voltage or Constant current
- Resume function: Yes, after power failure
- Operation conditions: 0-40°C, 0-95% humidity
- Safety features: No load detection, sudden load change detection, overload / short circuit protection.
- Dimension: 31x24x8 cm (LxWxH)
- Weight: 1.5kg
- Certificate: CE

Power B4A High Current Power Supply

CE



Voltage	Current	Power
300 V	4000 mA	400 W

Application Recommended:

Mini vertical electrophoresis
 Horizontal electrophoresis
 Mini tank transfer (normal/fast)
 Large tank transfer
 Semi-Dry electrophoretic transfer

Specifications:

- Output voltage: 10 – 300 V in 1v steps
- Output current: 10 – 4000 mA in 10 mA steps
- Output accuracy: $\pm 1\%$
- Output Power: 400W max
- Timing: 1 – 999 min fully adjustable
- Display: 3-digital LED
- Type of output: Constant voltage or Constant current
- Resume function: Yes, after power failure
- Operation conditions: 0-40°C, 0-95% humidity
- Safety features: No load detection, sudden load change detection, overload / short circuit protection.
- Dimension: 31x24x8 cm (LxWxH)
- Weight: 1.5kg
- Certificate: CE

Ordering Information

Cat. No.	Product Description
PP-1157	Power BU Utility Power Supply, 600V / 2000mA / 400W
PP-1158	Power B4A High Current Power Supply, 300V / 4000mA / 400W

Power B1000 High Voltage Power Supply

CE



Voltage	Current	Power
999 V	999 mA	200 W
Application Recommended:		
Mini vertical electrophoresis		
Large vertical electrophoresis		
Horizontal electrophoresis		
Mini tank transfer (normal/fast)		
Large tank transfer		
Semi-Dry electrophoretic transfer		
Isoelectric Focusing		

Specifications:

1. Output voltage: 10 – 999 V in 1v steps
2. Output current: 4 – 999 mA in 1 mA steps
3. Output accuracy: $\pm 1\%$
4. Output Power: 200W max
5. Timing: 1 – 999 min fully adjustable
6. Display: 3-digital LED
7. Type of output: Constant voltage or Constant current
8. Resume function: Yes, after power failure
9. Operation conditions: 0-40°C, 0-95% humidity
10. Safety features: No load detection, sudden load change detection, overload / short circuit protection.
11. Dimension: 31x24x8 cm (LxWxH)
12. Weight: 1.5kg
13. Certificate: CE

Power B3000 High Voltage Power Supply

CE



Voltage	Current	Power
3000 V	200 mA	120 W
Application Recommended:		
Mini vertical electrophoresis		
Large vertical electrophoresis		
Isoelectric Focusing		
Nucleic acid sequencing		

Specifications:

1. Output voltage: 10 – 3000 V in 1 v steps
2. Output current: 4 – 200 mA in 1 mA steps
3. Output accuracy: $\pm 1\%$
4. Output Power: 120 W max
5. Timing: 1 – 999 min fully adjustable
6. Display: 3-digital LED
7. Type of output: Constant voltage or Constant current
8. Resume function: Yes, after power failure
9. Operation conditions: 0-40°C, 0-95% humidity
10. Safety features: No load detection, sudden load change detection, overload / short circuit protection.
11. Dimension: 31x24x8 cm (LxWxH)
12. Weight: 1.5kg
13. Certificate: CE

Ordering Information

Cat. No.	Product Description
PP-1159	Power B1000 High Voltage Power Supply, 999V / 999mA / 200W
PP-1160	Power B3000 High Voltage Power Supply, 3000V / 200mA / 120W

Vertical Electrophoresis System

Mini P-4 Mini Vertical Electrophoresis System



The Mini P-4 Cell has set the new standard for Mini Vertical Electrophoresis:

Easier to assemble, leak-proof, and with a four-gel capacity that doubles the output of the traditional cell, the Mini P-4 cell combines traditional features with higher throughput and even greater reliability.

Features Component

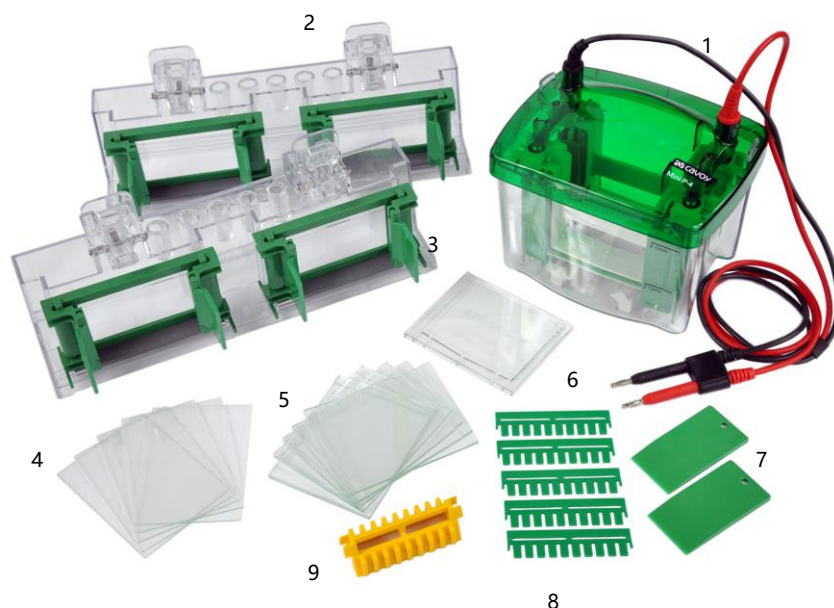
1. Cell: High transparency molded PC, clearly display the running status;
2. Electrode Assembly: runs 1-4 gels using 2 running modules, easy-to-use and leak-free.
3. Casting Stand: side-by-side design allows access to two gels simultaneously,
4. Casting Frame: Simple cam closure; no bulky clamps or thumbscrews.
5. Gaskets: Silicone rubber foaming against leakage.
6. Plastic Comb: do not inhibit polymerization and have a built-in ridge to eliminate air contact during gel casting for uniform gel polymerization
7. Glass Plate: labeled with thickness for instant identification.
8. Spacer Plate: with permanently bonded spacers guarantee perfect alignment and leak-free casting.
9. Sample Loading Guide: prevent skipped or repeated loading lanes.

Specifications

Number of gels	1–4
Precast gels	precast gels
Hand cast gels	Cast using spacer plates
Glass plate size (W x L)	
Short plate	10.1 x 7.3 cm
Spacer plate	10.1 x 8.2 cm
Gel size (W x L)	
Handcast	8.3 x 7.3 cm
Precast	8.6 x 6.8 cm
Total buffer volume for 2 gels	700 ml
Total buffer volume for 4 gels	1,000 ml
Typical run times for SDS-PAGE	35–45 min (at 200 V constant)
Recommended power supply	Power B or Power BC
Dimensions (W x L x H)	12 x 16 x 18 cm
Weight	1.0 kg

Mini P-4 Electrophoresis System

1. Cell with electrode assembly
2. Casting Stand
3. Casting Frame
4. Short Plate
5. Spacer Plate
6. Buffer Dam
7. Gel Lever
8. Combs
9. Sample Loading Guide



Modular Cells for Many Applications

Interchangeable modules easily convert a Mini P-4 cell from one application to another. Each module fits into the same buffer tank and lid to form a complete cell.

The modular configurations are:

Mini P-4 electrophoresis cell

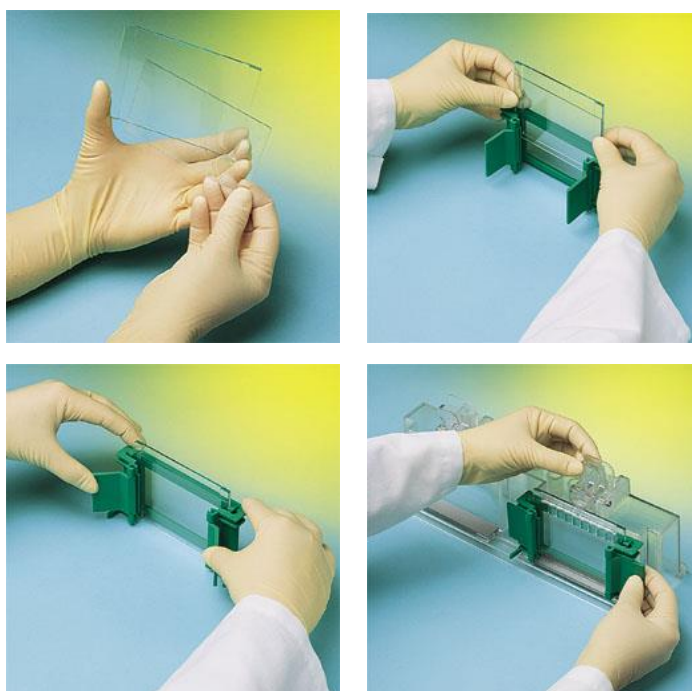
— for handcast or precast PAGE gel and (SDS)-PAGE gels

Mini TBC electrophoretic transfer cell

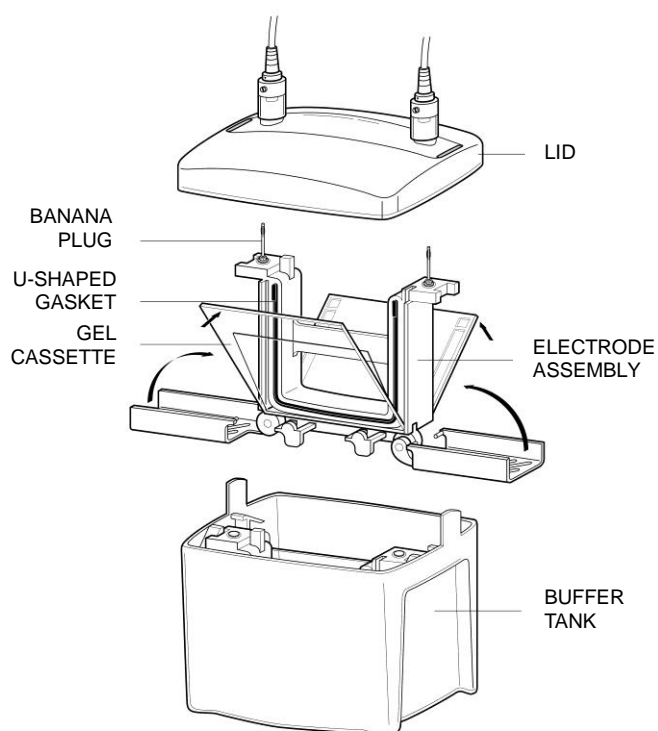
— for western blotting

- Run up to 4 mini gels in less than an hour
- Run four 2-D gels in less than a day
- Evaluate sample preparation conditions
- Screen new samples and process discovery projects

Easy Assembly:



Leak Proof:



Ordering information

Cat. No.	Product Description
MP-8000	Mini P-4 Vertical Electrophoresis System, 0.75 mm, 4 gels system Includes: Mini P-4 electrophoresis cell (4 gels), 2 casting stands, 4 casting frames, 5 sets of glass plates, 10-well combs, 5, sample loading guide, instructions
MP-8001	Mini P-4 Vertical Electrophoresis System, 1.0 mm, 4 gels system, includes: Mini P-4 electrophoresis cell (4 gels), 2 casting stands, 4 casting frames, 5 sets of glass plates, 10-well combs, 5, sample loading guide, instructions
MP-8005	Mini P-4 Vertical Electrophoresis System, 1.5 mm, 4 gels system includes Mini P-4 electrophoresis cell (4 gels), 2 casting stands, 4 casting frames, 5 sets of glass plates, 10-well combs, 5, sample loading guide, instructions
MP-8002	Mini P-4 Vertical Electrophoresis System, 0.75 mm, 2 gels, Includes: Mini P-4 electrophoresis cell (2 gels), casting stand, 2 casting frames, 5 sets of glass plates, 10-well combs, 5, sample loading guide, instructions
MP-8003	Mini P-4 Vertical Electrophoresis System, 1.0 mm, 2 gels system, includes: Mini P-4 electrophoresis cell (2 gels), casting stand, 2 casting frames, 5 sets of glass plates, 10-well combs, 5, sample loading guide, instructions
MP-8006	Mini P-4 Vertical Electrophoresis System, 1.5 mm, 2 gels system, includes: Mini P-4 electrophoresis cell (2 gels), casting stand, 2 casting frames, 5 sets of glass plates, 10-well combs, 5, sample loading guide, instructions
MP-1100	Short Plates, 5
MP-1110	Short Plates, 10
MP-1101	Spacer Plates With 0.75 mm Integrated Spacers, 5
MP-1102	Spacer Plates With 1.0 mm Integrated Spacers, 5
MP-1103	Spacer Plates With 1.5 mm Integrated Spacers, 5
MP-1200	Combs, 0.75 mm, 10-well, 33 ul/well, 5
MP-1201	Combs, 1.0 mm, 10-well, 44 ul/well, 5
MP-1202	Combs, 1.5 mm, 10-well, 66 ul/well, 5
MP-1203	Combs, 0.75 mm, 15-well, 20 ul/well, 5
MP-1204	Combs, 1.0 mm, 15-well, 26 ul/well, 5
MP-1205	Combs, 1.5 mm, 15-well, 39 ul/well, 5
MP-1206	2-D/Prep combs, 1.0 mm, 5

Accessories:Electrode
assemblyCompanion
running moduleU-gaskets,
greenCasting
frameGlass plates
shelfCasting
stand
gaskets

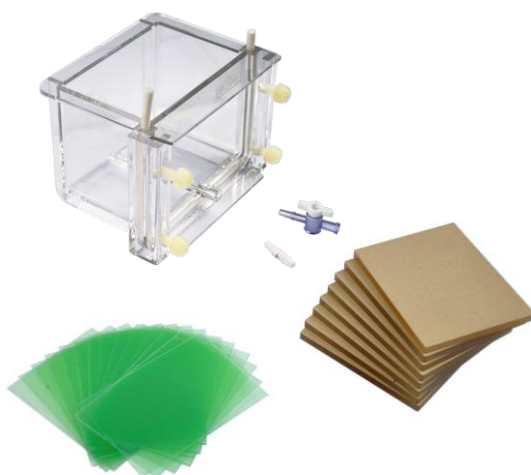
Ordering information

Cat. No.	Product Description
MP-8110	Mini P-4 tank
MP-8120	Mini P-4 cell lid with cables
MP-8210	Mini P-4 electrode assembly
MP-8220	Mini P-4 companion running module
MP-8230	U-gaskets, green, 2
MP-8300	Casting stand
MP-8310	Gel levers, 2

Ordering information

Cat. No.	Product Description
MP-8320	Buffer dam
MP-8330	Casting stand gaskets, 2
MP-8350	Casting frame
MP-8150	Power cable
MP-8500	Sample loading guide, 10-well, yellow
MP-8550	Sample loading guide, 15-well, blue
MP-8800	Glass plates shelf

Mini Multi-Casting Chamber



Mini multi-casting chamber can be used to cast up to 12 mini gels of 0.75, 1.0, or 1.5 mm thickness simultaneously. Acrylic blocks act as space fillers when fewer than 12 gels are cast. You can cast gradient gels through a bottom filling port with gradient former to ensure reproducibility.

- All Transparent PC molded
- Beveled Bottom ensure gels uniformity
- Higher efficiency with Mini P-4 Cell
- Bottom filling for gradient gels

Specifications:

Gel Size:	8.3 x 7.3 cm (Mini P-4 gel)
Gel Capacity:	Up to 12
Acrylic blocks:	6 mm, 9
Separation Sheet:	15
Dimensions:	10 x 10 x 16 cm

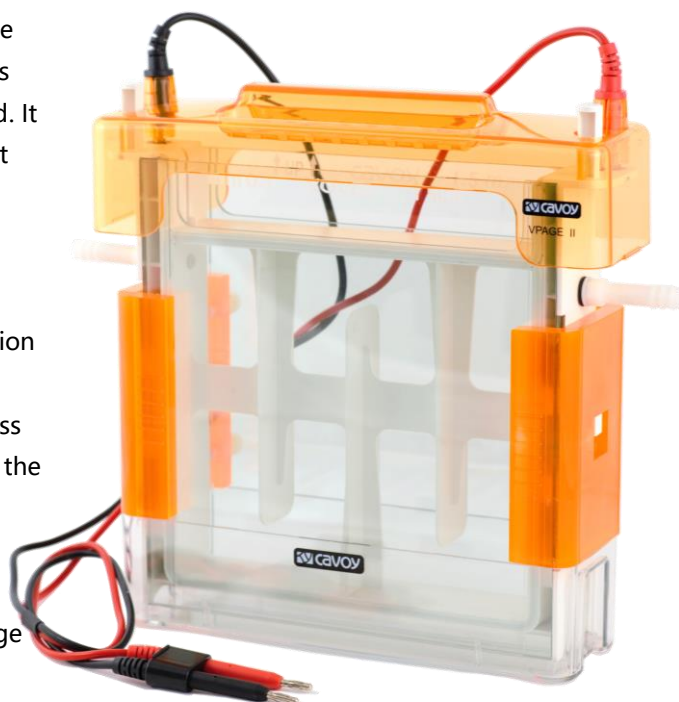
Ordering Information

Cat. No.	Product Description
MP-4010	Mini Multi-Casting Chamber , includes 9 acrylic blocks, 15 separation sheets, tapered luer connector, stopcock valve (order glass plates and combs separately)
MP-4015	Acrylic blocks , 9
MP-4016	Separation Sheets , 15

VPAGE[®] II Large Format Vertical Electrophoresis System

As a cutting-edge designed Large Format Vertical Electrophoresis System, VPAGE[®] II is dedicated to cover the application of Multicomponent protein separation analysis and high resolution analysis of small molecule nucleic acid. It seeks to simplify the operation process in the large format vertical electrophoresis, and make it easy handle.

- ✧ Made by "Bayer" PC, durable and attractive
- ✧ Small footprint, space saving and easy handling
- ✧ Buffer separation design can reduce buffer consumption
- ✧ Patented* electrophoresis core ensures high efficient temperature control during the electrophoresis process
- ✧ The central cooling core can be directly connected to the circulating system for accurate temperature control
- ✧ Safety Lid ensure the power is off when the cover is opened
- ✧ Unique plate clamp simplify operation, prevent leakage
- ✧ 96 Sample Volume, MP compatible, high throughput

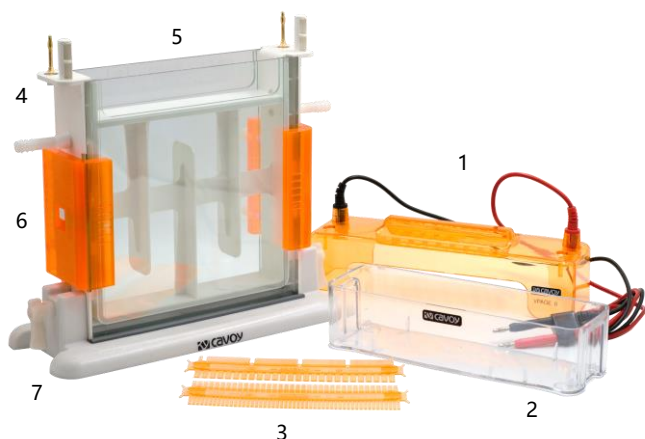


Specifications

Number of gels:	1- 2	Buffer volume:	upper 200 ml
Gel types:	Hand cast gels		lower 700 ml
Casting mode:	cast using casting stand	Running Time:	(Standard SDS-PAGE)
Glass plate:	Outer plate with spacer		5 h (no cooling) (35 mA constant C)
	U-groove Inner plate		3.5 h (with cooling)
Glass plate size:	23 x 24 cm	Central cooling:	Accurate temperature control
			(Connect to the
Gel size:	20 x 20 cm	Sample capacity:	4 ~ 96 (two gels)
Spacer:	1.0 or 1.5 mm	Dimension:	30 x 30 x 8 cm

Features Component

- 1, Cell Lid With Power Cables: Accuracy molded by import PC, durable and attractive.
- 2, Lower buffer tank: Highly transparent, showing the running state of electrophoresis.
- 3, Comb: Do no inhibit the gelation reaction, build-in ridge ensure the uniform gelation.
- 4, Electrophoresis Core: Patented design ensures the central cooling core and upper buffer tank are enclosed by a glass plate, and the glass plate is fixed during the gluing process
- 5, Glass plate: Permanently fixed spacer ensure the plate is properly aligned and prevent leakage.
- 6, Plate Clamp: Single side operation mode, easy to clamp.
- 7, Casting stand: Design for up to 2 gels casted simultaneously



Ordering information

Cat. No.	Product Description
VP-1810	VPAGE [®] II Large Format Vertical Electrophoresis System, 1.0 mm, Includes VPAGE II Electrophoresis Core, tank and safety lid, two sets of glass plates with 1.0 mm spacer, 1.0 mm combs, casting stand and instructions.
VP-1815	VPAGE [®] II Large Format Vertical Electrophoresis System, 1.5 mm Includes VPAGE II Electrophoresis Core, tank and safety lid, two sets of glass plates with 1.5 mm spacer, 1.5 mm combs, casting stand and instructions

Accessories:

Ordering information

Cat. No.	Product Description
VP-1820	VPAGE [®] II Electrophoresis Core



Ordering information

Cat. No.	Product Description
VP-1821	Outer Plate, 1.0 mm, VPAGE [®] II Cell
VP-1822	Inner Plate, VPAGE [®] II Cell
VP-1825	Outer Plate, 1.5 mm, VPAGE [®] II Cell



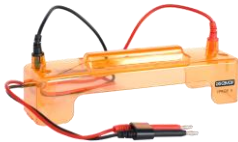
Ordering information

Comb	4 / 26 Wells	36 / 51 Wells
1.0 mm	VP-1831	VP-1832
1.5 mm	VP-1835	VP-1836



Ordering information

Cat. No.	Product Description
VP-1850	VPAGE [®] II Safety Lid With Power Cables



Ordering information

Cat. No.	Product Description
VP-1851	VPAGE [®] II Lower Buffer Tank



Ordering information

Cat. No.	Product Description
VP-1852	VPAGE [®] II Casting Stand
VP-1853	VPAGE [®] II Casting Sealing Strip



SC series Submarine Horizontal Electrophoresis System

As a mainly research tools for Molecular Biology, agarose gel has the benefits in nucleic acid analysis. The horizontal electrophoresis cell provides more convenient, more economic than vertical cells.

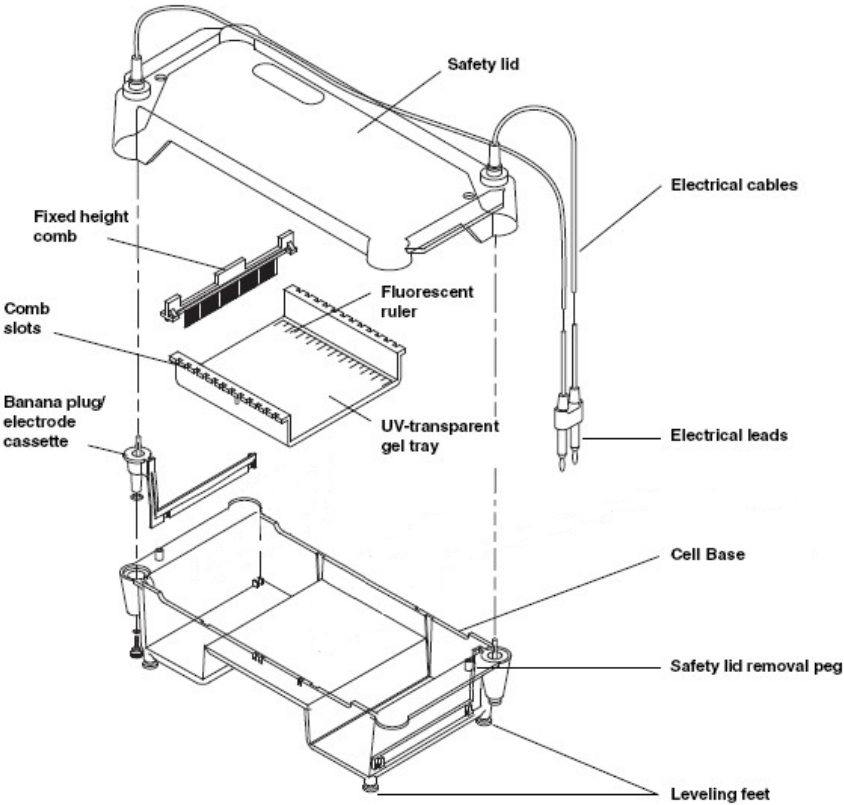
Mini SC & SC Cell The family of submerged horizontal electrophoresis systems, fulfill your every kind of needs, create versatility and user-friendly.

Features:

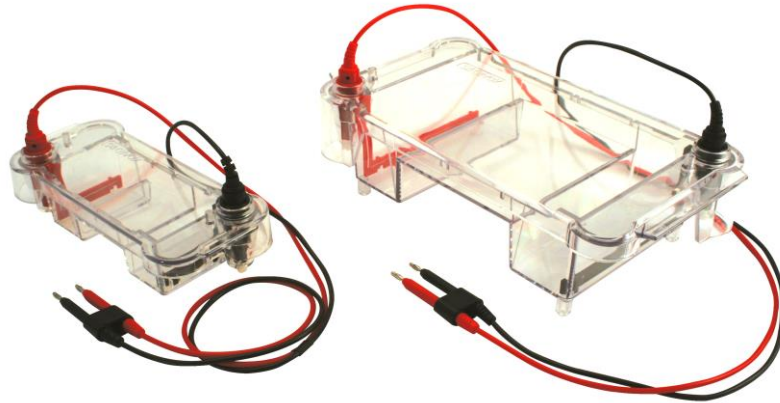
- Clear PC molded for easy sample visualization
- UV-transparent gel trays with fluorescent ruler
- Lock-in design to run precast Agarose gels
- Combs to fit every need (multichannel pipet compatible; fixed height drop-in combs)
- Easy-to-replace electrode cassettes

Applications:

- PCR* fragment analysis
- Restriction digest analysis
- DNA fingerprinting
- Northern and Southern blotting
- Microsatellite analysis
- Cosmid library restriction analysis
- RFLP analysis
- RAPD analysis



Specifications	MINI SC	SC
GEL SIZE (CM)	7 X 7	15 X 10
(W X L)	7 X 10	15 X 15
		15 X 20
UVTP TRAY	YES	YES
GEL CASTER	LEVEL ADJUSTABLE	
SAMPLE OUTPUT	8 – 30	10 – 100
BUFFER VOLUME	270 ML	1200 ML
CELL SIZE (CM)	26X12X6.5	33.5X20X10
DISTANCE TO ELECTRODE (CM)	14.5 CM	25 CM



Mini SC Cell system

Speed up your DNA separations using the Mini SC Cell system. The short, slim format allows 7 and 10 cm runs, making it a highly economical choice. Small DNA fragments can be separated in as little as 15 minutes. Up to 30 samples can be run simultaneously. The lambda DNA of *EcoR*I or *Hind*III can be separated in 60V, 1.5 hours.

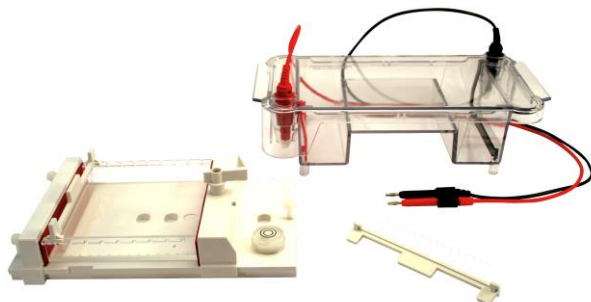
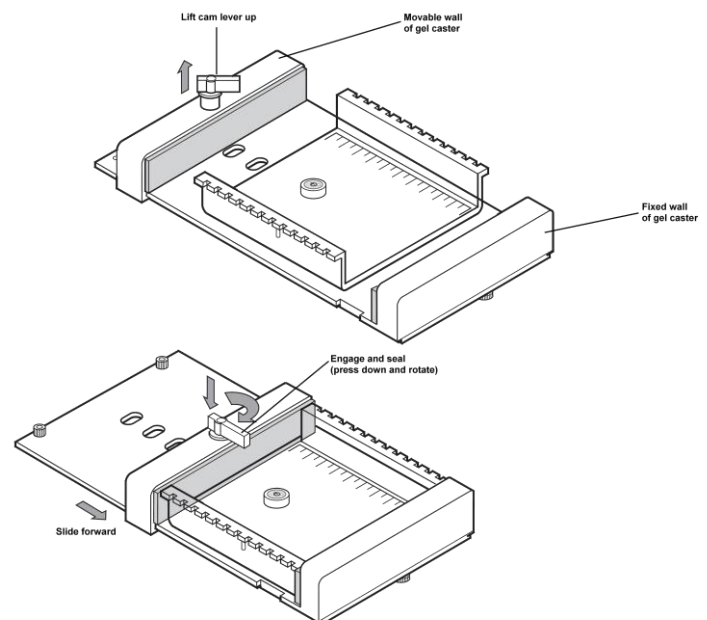
Ready Agarose Gel can be accepted by all SC and Mini SC cell.

SC Cell system

The wide platform of SC Cell is ideal for fast screening applications. Up to 60 samples can be run simultaneously. The SC cell offers the widest choice of gel lengths, comb types, and lane configurations of any SC model. Separate 30 samples over a distance of up to 20 cm, or use 4 combs and analyze as many as 120 samples.

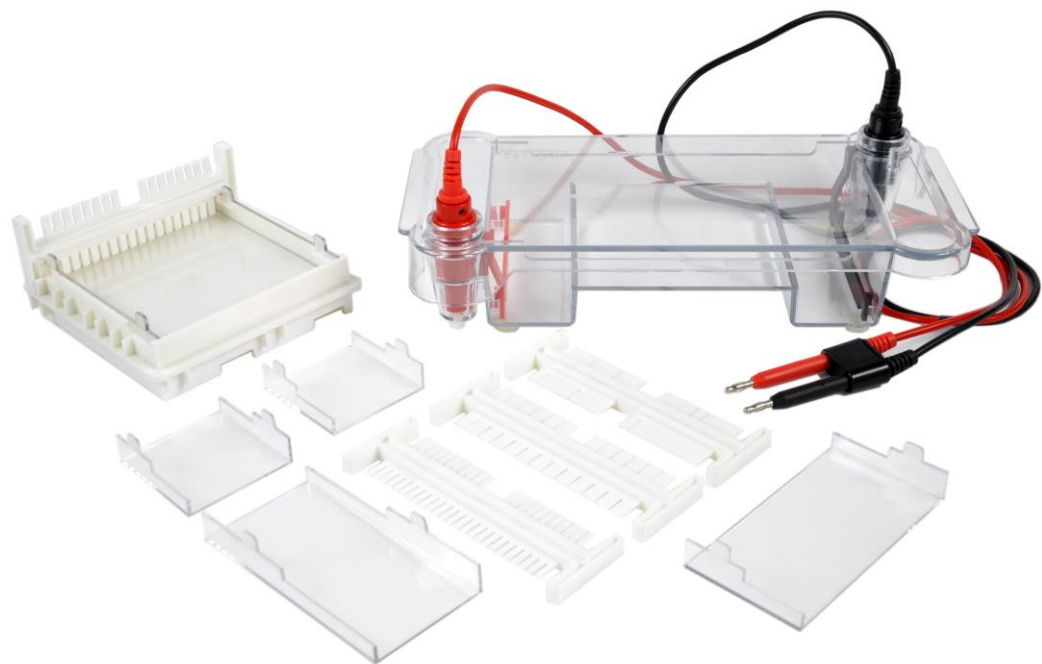
Hand cast your own Gels

Mini SC and SC Cell system configured with general Gel Caster to hand cast multiple sizes of gels without tape. Hand cast an agarose gel simply and easily using General Gel Caster as fig below. You can cast a gel at any surface by adjust the level using the level feet in the gel caster and the leveling bubble provided.



SC 12 Submarine Horizontal Electrophoresis System

The SC12 Cell is suited for multiple samples and rapid screening applications. This popular system has a wide range of 6 and 12 cm gel trays that well adapted to fast and middle size nucleic acid electrophoresis. As a complementary of the Mini SC and SC Cell system, SC 12 has simpler casting operation, and more efficiency in nucleic acid detection.



Features:

- Clear PC molded for easy sample visualization
- Transparent gel trays with fluorescent ruler
- Multiple choice of Hand Casting Gel size, suitable for variety experimental demand
- Integrated Casting Tray to cast different size of Agarose gels
- Combs to fit requirements of throughput
- Easy-to-replace electrode cassettes
- Buffer Saver reduce the buffer volume

Applications:

- PCR* fragment analysis
- Restriction digest analysis
- DNA fingerprinting
- Northern and Southern blotting
- Microsatellite analysis

Specifications	SC 12
GEL SIZE (CM)	6 X 6
(W X L)	6 X 12
	12 X 6
	12 X 12
GEL TRAY	YES
GEL CASTER	YES
SAMPLE OUTPUT	6 ~ 100
	PREP
BUFFER VOLUME	230 ~ 350 ML
CELL SIZE (CM)	29 X 15 X 6.5
DISTANCE TO ELECTRODE (CM)	20.5 CM

Ordering Information

Cat. No.	Product Description
SC-0707	Mini SC Horizontal Electrophoresis System, 7 x 7 cm, caster Includes: Mini SC buffer tank and lid, 7x7 cm UV transparent tray, 1.5mm, 8 well and 15 well combs, gel caster, air level, instruction
SC-0710	Mini SC Horizontal Electrophoresis System, 7 x 10 cm, caster Includes: Mini SC buffer tank and lid, 7x10 cm UV transparent tray, 1.5mm, 8 well and 15 well combs, gel caster, air level, instruction
SC-2707	Mini SC Horizontal Electrophoresis System, 7 x 7 cm, Includes: Mini SC buffer tank and lid, 7x7 cm UV transparent tray, 1.5mm, 8 well and 15 well combs, air level, instruction
SC-2710	Mini Horizontal Electrophoresis System, 7 x 10 cm, Includes: Mini SC buffer tank and lid, 7x10 cm UV transparent tray, 1.5mm, 8 well and 15 well combs, air level, instruction
SC-1510	SC Horizontal Electrophoresis System, 15 x 10 cm, caster Includes: SC buffer tank and lid, 15x10 cm UV transparent tray, 1.5mm, 15-well and 20-well combs, gel caster, air level, instruction
SC-1515	SC Horizontal Electrophoresis System, 15 x 15 cm, caster Includes: SC buffer tank and lid, 15x15 cm UV transparent tray, 1.5mm, 15-well and 20-well combs, gel caster, air level, instruction
SC-1520	SC Horizontal Electrophoresis System, 15 x 20 cm, caster Includes: SC buffer tank and lid, 15x20 cm UV transparent tray, 1.5mm, 15-well and 20-well combs, gel caster, air level, instruction
SC-5510	SC Horizontal Electrophoresis System, 15 x 10 cm, Includes: SC buffer tank and lid, 15x10 cm UV transparent tray, 1.5mm, 15-well and 20-well combs, air level, instruction
SC-5515	SC Horizontal Electrophoresis System, 15 x 15 cm, Includes: SC buffer tank and lid, 15x15 cm UV transparent tray, 1.5mm, 15-well and 20-well combs, air level, instruction
SC-5520	SC Horizontal Electrophoresis System, 15 x 20 cm, Includes: SC buffer tank and lid, 15x20 cm UV transparent tray, 1.5mm, 15-well and 20-well combs, air level, instruction
SC-1212	SC12 Horizontal Electrophoresis System, with 12 cm and 6 cm tray Includes: SC12 buffer tank and lid, 12x12, 12x6, 6x12, 6x6 cm tray, 1.0mm, 1.5mm, 2.0mm combs, Gel-Casting Tray.
Accessory	
SC-3010	Mini SC Buffer Tank With Electrodes
SC-3020	Mini SC Lid With Power Cables
SC-3030	Electrode pair, mini SC
SC-3050	General Gel caster
SC-3051	SC Buffer Tank With Electrodes
SC-3052	SC Lid With Power Cables
SC-3053	Caster box, mini SC
SC-3055	Electrode pair, SC

Ordering Information

Cat. No.	Product Description
SC-3101	Comb, 1.5 mm, 8-well, *Sample volume 40ul/well, for Mini SC
SC-3102	Comb, 1.5 mm, 15-well, *Sample volume 22.5 ul/well, for Mini SC
SC-3103	Comb, 0.75 mm, 8-well, *Sample volume 20 ul/well, for Mini SC
SC-3104	Comb, 0.75 mm, 15-well, *Sample volume 11.25 ul/well, for Mini SC
SC-3151	Comb, 1.5 mm, 15-well, *Sample volume 45 ul/well, for SC
SC-3152	Comb, 1.5 mm, 20-well, *Sample volume 37.5 ul/well, for SC
SC-3153	Comb, 1.5 mm, 30-well, *Sample volume 20.25 ul/well, for SC
SC-3251	Comb, 0.75 mm, 15-well, *Sample volume 20 ul/well, for SC
SC-3252	Comb, 0.75 mm, 20-well, *Sample volume 18 ul/well, for SC
SC-3253	Comb, 0.75 mm, 26-well, *Sample volume 12 ul/well, for SC
SC-3351	MP Comb, 0.75 mm 14-well, sample volume 22 ul/well,
SC-3352	MP Comb, 0.75 mm 18-well, sample volume 11 ul/well
SC-3353	MP Comb, 0.75 mm 26-well, sample volume 11 ul/well
SC-3354	MP Comb, 0.75 mm 33-well, sample volume 11 ul/well
SC-3355	MP Comb, 1.5 mm 14-well, sample volume 45 ul/well
SC-3356	MP Comb, 1.5 mm 18-well, sample volume 22.5 ul/well
SC-3357	MP Comb, 1.5 mm 26-well, sample volume 22.5 ul/well
SC-3358	MP Comb, 1.5 mm 33-well, sample volume 22.5 ul/well
SC-3707	UV transparent tray, 7X7 cm
SC-3710	UV transparent tray, 7X10 cm
SC-3510	UV transparent tray, 15X10 cm
SC-3515	UV transparent tray, 15X15 cm
SC-3520	UV transparent tray, 15X20 cm
SC-3606	Gel Tray, 6X6 cm
SC-3626	Gel Tray, 12X6 cm
SC-3612	Gel Tray, 6X12 cm
SC-3622	Gel Tray, 12X12 cm
SC-3666	Gel Casting Tray
SC-3410	Comb, 1.0 mm, 11 / 25 wells, for SC12 Cell
SC-3415	Comb, 1.5 mm, 6 / 13 wells, for SC12 Cell
SC-3416	Comb, 1.5 mm, 8 / 18 wells, for SC12 Cell
SC-3420	Comb, 2.0 mm, 3 / prep well, for SC12 Cell
SC-3600	Casting Kit for SC12 cell

*Sample volume determined based on a well depth of 5 mm.

Trans-Blot System

Trans-SD Semi-Dry Electrophoretic Transfer Cell

The Trans-SD semi-dry transfer cell allows fast, efficient, and economical blotting without buffer tank or gel cassettes.

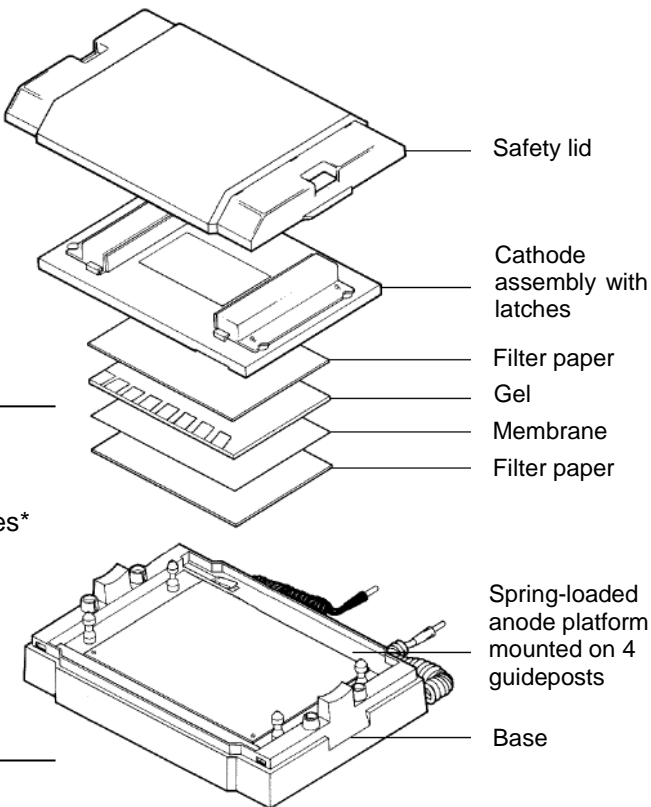
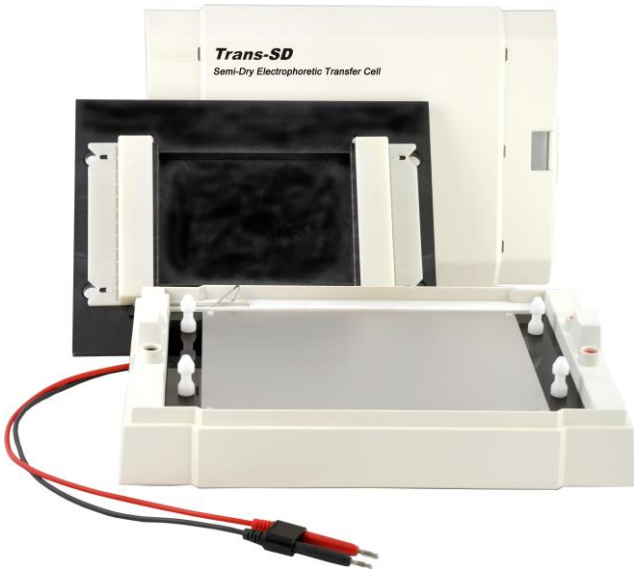
Features of the cell include:

- ✧ Gel Size up to 27 X 21 cm, accepts all kinds of present gels including proteomics large gels.
- ✧ Transfers in as little as 15–60 minutes
- ✧ Minimal buffer requirements
- ✧ Capacity to transfer multiple gels; gels may be placed side by side or stacked, with dialysis membrane separating gel sandwiches
- ✧ Single-step locking system for simple, speedy setup
- ✧ Platinum-coated titanium anode and stainless-steel cathode plate electrodes provide consistent and reliable transfers, durability, and long lifetime
- ✧ Anode platform rests on 4 springs, which enables the platform to accommodate various gel stack thicknesses and produces uniform pressure on the blotting sandwich during transfer
- ✧ Extra plastic templates required by other semi-dry blotters are unnecessary to prevent electrode short circuits
- ✧ Safety cover breaks the electrical current when lifted, preventing electrical shock.

Specifications

Maximum gel size (W x L)	27 x 21 cm
Buffer requirement	200 ml
Gel capacity	≤3, 26 x 21 gel sandwiches* 4, 13 x 10 cm gels 6, 11 x 7 cm gels 9, 8 x 7 cm gels
Recommended power supply	Power BC
Dimensions (W x L x H)	39.5 x 28 x 11 cm

* Dialysis membrane between each gel sandwich



Ordering Information

Cat. No.	Product Description
MP-3040	Trans-SD Semi-Dry Electrophoretic Transfer System Includes agarose gel support frame, extra thick blot paper, instructions
MP-3166	Extra thick blot paper, 14 cm x 17 cm, 25
MP-1414	Extra thick blot paper, 14 cm x 14 cm, 50
MP-2121	Extra thick blot paper, 21 cm x 21 cm, 50

Mini TBC Electrophoretic Transfer Cell



Specifications

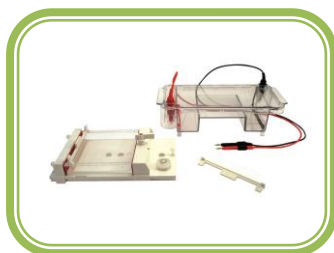
Maximum gel size (W x L)	10 x 7.5 cm
Buffer requirement	450 ml
Gel capacity	2 Mini P-4 gels 2 Ready Gel precast gels
Recommended power supply	Power BC (Power B is suitable alternative)
Dimensions (W x L x H)	12 x 16 x 18 cm

The Mini TBC cell provides rapid, high-quality blotting of mini gels. A component of the Mini P-4 electrophoresis system, the Mini TBC cell accommodates two gel holder cassettes for electrophoretic transfer of mini format gels (Mini P-4 gels) run in the Mini P-4 cell. Features of the Mini TBC cell include:

- ✧ Transfers two 10 x 7.5 cm gels in just 1 hour; low-intensity, overnight transfers also possible
- ✧ Wire electrodes are placed 4 cm apart for strong electrical fields and efficient protein transfer
- ✧ Color-coded cassettes and electrodes ensure proper orientation of the gel during transfer
- ✧ New Blue-Ice cooling unit, completely contained within the Mini TBC cell, absorbs heat generated during rapid transfers
- ✧ Available either as a complete stand-alone apparatus or as a module compatible with the buffer tank and lid of the Mini P-4 cell

Ordering Information

Cat. No.	Product Description
MP-3030	Mini-TBC Electrophoretic Transfer Cell, includes: Mini P-4 cell lid with cables, buffer tank, Mini-TBC transfer module 2 gel holder cassettes, 4 fiber pads, cooling units, instructions
MP-3035	Mini-TBC Trans Blot Module, includes: transfer module, 2 gel holder cassettes, 4 fiber pads, cooling units, instructions
MP-3110	Fiber Pads, 4, white
MP-3115	Fiber Pads, 4, black
MP-3120	Gel Holder Cassette
MP-3130	Blue-Ice cooling unit
MP-3150	Roller
MP-3166	Extra thick blot paper, 14 cm x 17 cm, 25



Local Agency: