



 **MS** major
science

Innovative Life Sciences Tools

2021-2022 Catalogue

version 1.0

Protein Electrophoresis



Mini Vertical Gel Electrophoresis Apparatus

MV-10DSYS

Mini Vertical is an injection molded vertical electrophoresis system providing a leak-proof environment and safe operation. Its vertical tank is designed for blotting compatibility. The dual 100x100mm plate is the most popular application and it is capable of handling up to 4 plates. In addition, packages with Mini 300V Power supply is ideally offered to individuals in the laboratory at a competitive and acceptable pricing to avoid time waiting for basic instruments and to accelerate experimental progress. Simple rapid and leak-proof gel casting.



MV-10DSYS

This product is offered as a complete system for the user to cast, and run electrophoresis. including:

- 1 x Electrophoresis tank & lid & inner running module
- 1 x MV-10NG (100x100mm notched glass plates, 2mm thick, pk/2)
- 1 x MV-10PGS1 (100x100mm plain glass plates with 1mm bonded spacers, pk/2)
- 1 x MV-10DP (dummy plate)
- 2 x MV-10-12-1 (12 sample combs, 1mm thick)
- 1 x MV-10DCAST (100x100mm casting base)
- 1 x MV 10ICB (mini cooling pack)
- 1 x Black & red electrophoresis cable



1 Insert glass plates and slide gates to create efficient seal.



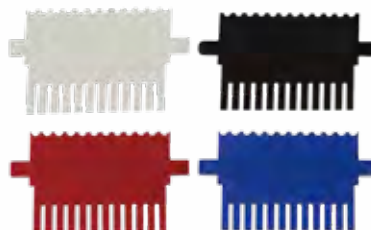
2 Transfer to casting base and tighten cams.



3 It is best to turn the cams in opposite directions to each other.



4 Pour gel solution, insert combs and allow gel to polymerize.



Extensive range of combs
 Black: 0.75mm for ultra resolved bands
 White: 1mm supplied as standard
 Red: 1.5mm for large sample volume
 Blue: 2mm for large sample volume



5 Transfer to tank, fill with buffer and run.



MC = Multi-channel pipette compatible

Running 4 gels simultaneously



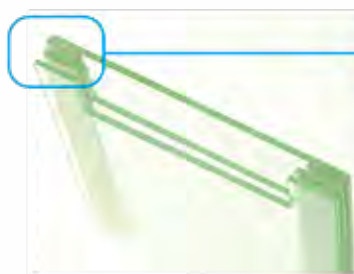
* If your want to run 4 gels, a set of notched glass plate and also bonded spacer would be required to buy separately.



MV10-Mini300

Features

- Low buffer consumption
- Single molded tank
- Up to 4 gels run at one time
- Great indications for gel making and running
- Ice cooling pack
- Easy gel casting and no gel leakage
- Competitive pricing
- Compatible with all precast gels (100x100mm or 100x80mm)



MV-10DSYS

is capable to run up to 4 gels when using a triple glass plate sandwich.

Specification

Cat. No.	MV-10DSYS
Dimension (WxLxH)	Approx. 7.5"x5.1"x5.9" (190x130x150mm)
Plate Dimension (WxL)	Approx. 3.9" 3.9" (100x100mm)
Gel Dimension (WxL)	Approx. 3.4"x3.2" (85x80mm)
Maximum Sample	80 samples, 20 samples per gel
Buffer Volume	0.07gal -0.32gal (250 -1200ml)
Ice Cooling Pack	Yes
Dummy Plate And Casting Base	Yes
Construction	Injection molded construction
	Durable, leak proof environment for complete safety and long life
Electrical Safety	Lid can be fastened in only one way
	Upon lid removal, power is disconnected from buffer chamber
Rapid Casting Gel	Use gel maker stand

Ordering Information

Cat. No.	Product Description
MV-10DSYS	Complete Mini Vertical Gel Electrophoresis Apparatus
	Mini 100x100mm Dual, 2 sets of glass plates with 1mm thick bonded spacers
	2x12 sample, 1mm thick combs, cooling pack, dummy plate and casting base
MV10EXCASTERSYS	External Casting System, upstand + base
MV10EXCASTER	External Casting Upstand - no casting base
MV-10DCAST	100x100mm casting base
MV-10DCASTM	Replacement Silicone Mat for 100x100mm casting base
MV-10LID	MV-10 lid (No cables)
MV-10TANK	MV-10 tank
MV-10ICB	Mini cooling pack
MV-10PG	100x100mm plain glass plates, 2mm thick (pk/2)
MV-10PGS0.75	100x100mm plain glass plates with 0.75mm bonded spacers (pk/2)
MV-10PGS1	100x100mm plain glass plates with 1mm bonded spacers (pk/2)
MV-10PGS1.5	100x100mm plain glass plates with 1.5mm bonded spacers (pk/2)
MV-10PGS2	100x100mm plain glass plates with 2mm bonded spacers (pk/2)
MV-10NG	100x100mm notched glass plates, 2mm thick (pk/2)
MV-10NGS0.75	100x100mm notched glass plates with 0.75mm bonded spacers (pk/2)
MV-10NGS1	100x100mm notched glass plates with 1mm bonded spacers (pk/2)
MV-10NGS1.5	100x100mm notched glass plates with 1.5mm bonded spacers (pk/2)
MV-10NGS2	100x100mm notched glass plates with 2mm bonded spacers (pk/2)
MV-10DP	Dummy plate, 100x100mm
MV-10S0.75	100mm spacers - 0.75mm (pk/2)
MV-10S1	100mm spacers - 1mm (pk/2)
MV-10S1.5	100mm spacers - 1.5mm (pk/2)
MV-10S2	100mm spacers - 2mm (pk/2)



MV10EXCASTER

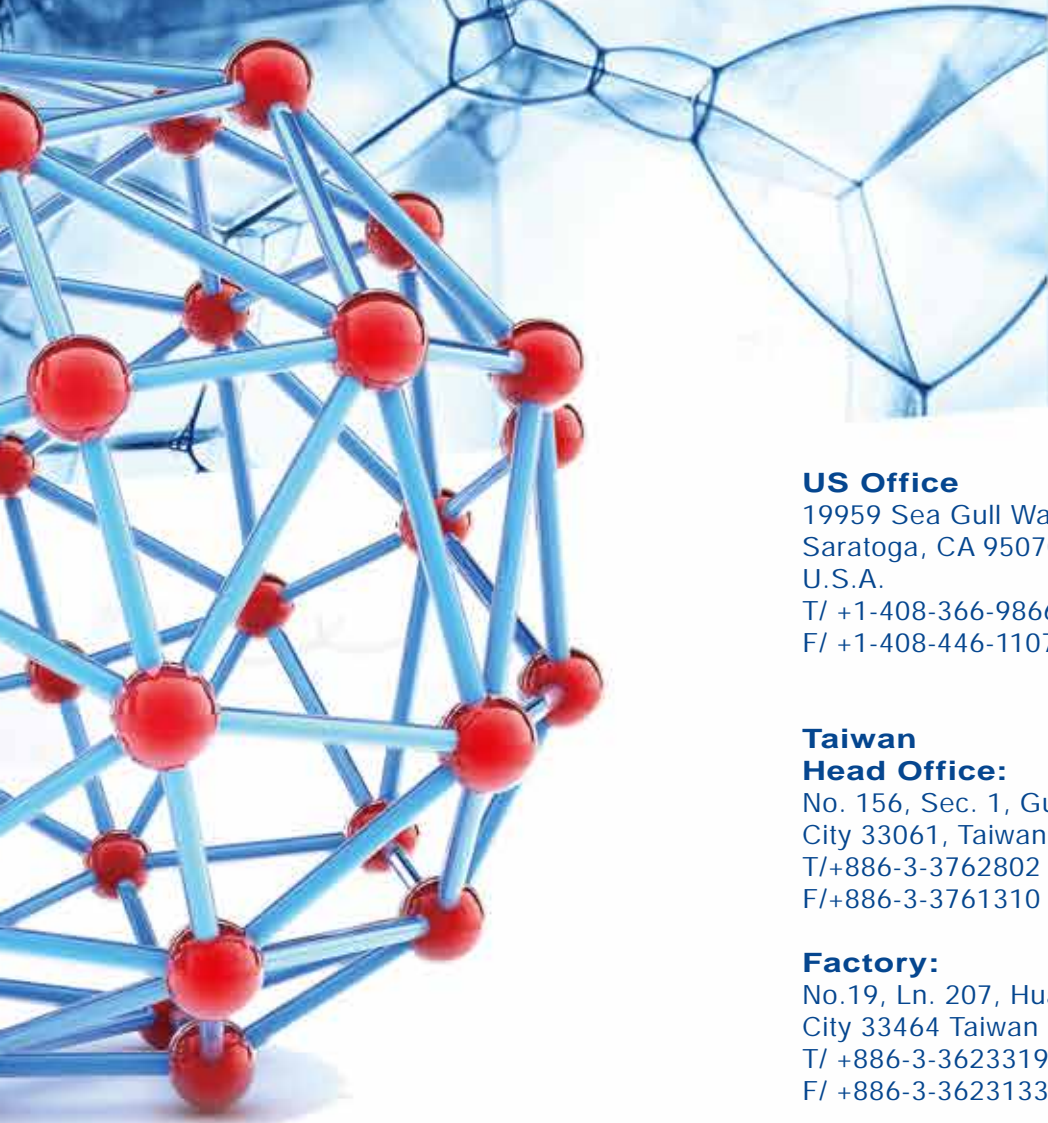
Accessories

MC = Multi-channel pipette compatible

SV = Sample volume for 5mm thick gel (ul)

Cat. No.	Product Description	SV
MV-10-1-0.75	Comb 1 Prep, 1 Marker, 0.75mm thick	500ul
MV-10-5-0.75	Comb 5 sample, 0.75mm thick	70ul
MV-10-8MC-0.75	Comb 8 sample MC, 0.75mm thick	40ul
MV-10-9-0.75	Comb 9 sample, 0.75mm thick	35ul
MV-10-10-0.75	Comb 10 sample, 0.75mm thick	30ul
MV-10-12-0.75	Comb 12 sample MC, 0.75mm thick	25ul
MV-10-16MC-0.75	Comb 16 sample MC, 0.75mm thick	20ul
MV-10-20-0.75	Comb 20 sample, 0.75mm thick	15ul
MV-10-1-1	Comb 1 Prep, 1 Marker, 1mm thick	650ul
MV-10-5-1	Comb 5 sample, 1mm thick	100ul
MV-10-8MC-1	Comb 8 sample MC, 1mm thick	60ul
MV-10-9-1	Comb 9 sample, 1mm thick	50ul
MV-10-10-1	Comb 10 sample, 1mm thick	40ul
MV-10-12-1	Comb 12 sample, 1mm thick	35ul
MV-10-16MC-1	Comb 16 sample MC, 1mm thick	25ul
MV-10-20-1	Comb 20 sample, 1mm thick	20ul

Cat. No.	Product Description	SV
MV-10-1-1.5	Comb 1 Prep, 1 Marker, 1.5mm thick	1000ul
MV-10-5-1.5	Comb 5 sample, 1.5mm thick	140ul
MV-10-8MC-1.5	Comb 8 sample MC, 1.5mm thick	80ul
MV-10-9-1.5	Comb 9 sample, 1.5mm thick	70ul
MV-10-10-1.5	Comb 10 sample, 1.5mm thick	30ul
MV-10-12-1.5	Comb 12 sample MC, 1.5mm thick	50ul
MV-10-16MC-1.5	Comb 16 sample MC, 1.5mm thick	40ul
MV-10-20-1.5	Comb 20 sample, 1.5mm thick	30ul
MV-10-1-2	Comb 1 Prep, 1 Marker, 2mm thick	1300ul
MV-10-5-2	Comb 5 sample, 2mm thick	200ul
MV-10-8MC-2	Comb 8 sample MC, 2mm thick	120ul
MV-10-9-2	Comb 9 sample, 2mm thick	100ul
MV-10-10-2	Comb 10 sample, 2mm thick	80ul
MV-10-12-2	Comb 12 sample, 2mm thick	70ul
MV-10-16MC-2	Comb 16 sample MC, 2mm thick	50ul
MV-10-20-2	Comb 20 sample, 2mm thick	40ul



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