

Dual units run the equivalent of 4 standard 10 x 10 mini-gels simultaneously



Double-Wide Mini-Vertical, Single

MGV-102-20, MGV-116-20

Complete System:

- Electrophoresis cell with safety cover and power leads
- Platinum electrodes
- Long-lasting silicone gasket
- White spring clamps
- 1 comb
- 1 set of Gel Wrap® spacers
- 1 set of Gel Wrap® glass plates
- 1 length of Gel Wrap® gasket

Double-Wide Mini-Vertical, Dual

MGV-202-20, MGV-216-20

Complete System:

- Electrophoresis cell with cooling chamber and coolant recirculation ports
- Platinum electrodes
- Long-lasting silicone gasket
- Safety cover with power leads
- White spring clamps
- 2 combs
- 2 sets of Gel Wrap® spacers
- 2 sets of Gel Wrap® glass plates
- 2 lengths of Gel Wrap® gasket
- Conversion plate for running one gel at a time

APPLICATIONS

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FEATURES

- 20cm wide systems are ideal for electrophoretic separations of a large number of samples that require a relatively short pathlength for resolution.
- All units are 20cm(w). The MGV-102-20 and MGV-202-20 have a 10cm long pathlengths while the MGV-116-20 and MGV-216-20 have 16cm long pathlengths.
- Internal cooling chamber in dual units provides precise temperature control.
- Double-wide mini-gels can be cast using our patented Gel Wrap® Gasket system or with Multi-Caster Kits.
- The MGV-202-20 and MGV-216-20 can screen of up to 102 samples simultaneously. The 52 well microtitre-compatible comb is designed to run up to 96 samples plus controls on each side so that results from 1 microtitre plate cans be analyzed simultaneously.
- This system can be used for fluorescence based assays whose images can be captured on a scanner directly through optional borosilicate glass plate sets.
- For easy identification the thickness and cat.#'s are printed on all spacers.

SPECIFICATIONS

Model Cat. #	MGV-102-20	MGV-202-20	MGV-116-20	MGV-216-20
# of Gels	1	1-2	1	1-2
Overall Dimensions W x D x H (cm)	31 x 14 x 13	31 x 18 x 13	31 x 14 x 18	31 x 19 x 18
Glass Plate Dimensions W x L (cm)	20 x 10	20 x 10	20 x 16	20 x 16
Matching Tank Blotter	EBU-402	EBU-402	EBU-102	EBU-102
Matching Semi-Dry Blotter	EBU-3000	EBU-3000	EBU-4000	EBU-4000
Recommended Power Supply	EPS-300 X or EPS-200 X	EPS-300 X or EPS-200 X	EPS-300 X or EPS-200 X	EPS-300 X or EPS-200 X
Recommended Buffer Volume				
Upper reservoir	140mls	240mls	140mls	250mls
Lower reservoir	200mls	200mls	200mls	400mls
Slab Gel Run Time	35-40 min.	35-40 min.	30-90 min.	30-90 min.

COMB OPTIONS for 20cm wide units				
MGV-102-20, MGV-202-20, MGV-116-20, MGV-216-20				
material: PTFE, tooth depth: 9.5mm, overall length: 15.8cm				
Cat. #	# of Teeth	Thickness of Teeth (mm)	Width of Teeth (mm)	Recommended Max. Sample Vol./Well (µl)*
MVC20-0717*	17	0.75	6.7	36
MVC20-0720	20	0.75	5.66	30
MVC20-0728	28	0.75	4	21
MVC20-0732	32	0.75	3.4	18
MVC20-0735*	35	0.75	2.95	16
MVC20-0752TT*	52	0.75	2	11
MVC20-1017*	17	1.0	6.7	48
MVC20-1020	20	1.0	5.66	40
MVC20-1028	28	1.0	4	29
MVC20-1032	32	1.0	3.4	24
MVC20-1035*	35	1.0	2.95	21
MVC20-1052TT*	52	1.0	2	14
MVC20-1517*	17	1.5	6.7	71
MVC20-1520	20	1.5	5.66	60
MVC20-1528	28	1.5	4	43
MVC20-1532	32	1.5	3.4	36
MVC20-1535*	35	1.5	2.95	32
MVC20-1552TT*	52	1.5	2	21

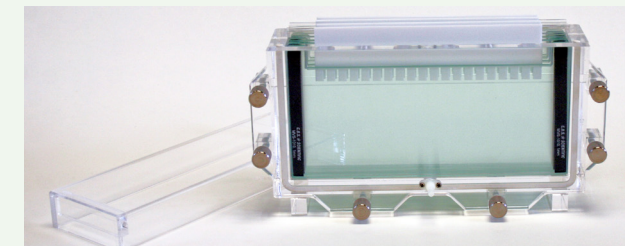
*Multi-channel pipettor compatible

*Maximum loading volume is calculated by taking 75% of the total tooth volume.

TT = tapered tooth

2 HANDCAST GEL OPTIONS FOR DOUBLE-WIDE SYSTEMS

OPTION 1: Multi-Caster Method



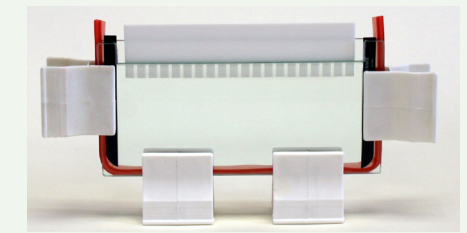
Double-Wide Multi-Caster Kit

GCC-204-20K, 4-place

Complete System:

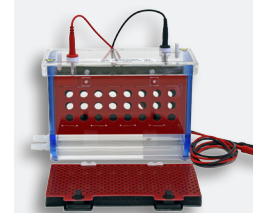
- Multi-Caster Chamber with lid, silicone gasket, 6 stainless steel thumbscrews, backfill port connecting to central filling trough
- 4 sets notched glass plate sets
- 4 sets of spacers
- 4 combs
- Polycarbonate separation sheets
- Acrylic shim plate

OPTION 2: Gel Wrap® Casting System

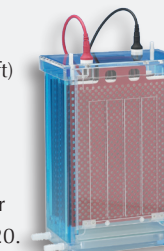


C.B.S. Scientific has developed a revolutionary leak-proof gasket, Gel Wrap®, that seals the glass plate sandwich for gel casting quickly and easily. Each Triple-Wide Mini-Vertical comes with 2 gel wrap gaskets and all components necessary to cast 2 gels by this method.

BLOTTING SYSTEMS



Double-Wide Mini-Blotting System EBU-402 (shown at left) is the companion tank blotter for MGV-102-20 and MGV-202-20. Large Blotting System EBU-102 (shown at right) is the companion tank blotter for MGV-116-20 and MGV-216-20.



Semi-Blotting Systems EBU-3000 (shown at right) and EBU-4000 are the companion Semi-Dry Blotters for the Double-Wide Vertical Mini-Gel Systems.



ORDERING INFORMATION

CAT. #	DESCRIPTION
DOUBLE-WIDE MINI-VERTICALS - 20CM(W) X 10CM(H)	
MGV-102-20	Double-Wide Mini-Vertical, Single , Complete System, gel dimensions 20cm(w) x 10cm(h)
MGV-202-20	Double-Wide Mini-Vertical, Dual , Complete System, gel dimensions 20cm(w) x 10cm(h)
Accessories and Replacement parts for MGV-102-20 or MGV-202-20	
MGP20-100R	Gel Wrap® Glass plate Set
MGP20-100R-DN	Gel Wrap® Glass plate Set with Borosilicate back plate
MVE20-0710	Gel Wrap® Gasket, 0.75mm thick
MVE20-1010	Gel Wrap® Gasket, 1.0mm thick
MVE20-1510	Gel Wrap® Gasket, 1.5mm thick
MVS-0710R	Gel Wrap® Spacer Set, 0.75mm thick
MVS-1010R	Gel Wrap® Spacer Set, 1.0mm thick
MVS-1510R	Gel Wrap® Spacer Set, 1.5mm thick
GCC-204-20K	Double-Wide Multi-Caster Kit, 4-place
MGP20-100	Multi-Caster Glass plate Set
MGP20-100-DN	Multi-Caster Glass plate Set with Borosilicate back plate
MVS-0710	Multi-Caster Spacer Set, 0.75mm thick
MVS-1010	Multi-Caster Spacer Set, 1.0mm thick
MVS-1510	Multi-Caster Spacer Set, 1.5mm thick
EBU-402	Double-Wide Blotting System, 2-place , Includes 1 cassette 20cm x 9.5cm
EBC-402	Additional Blotting Cassette for EBU-402
EBU-3000	Semi-Dry Blotting System , transfer area of 12cm x 34cm
EPS-300 X	Power Supply, CE , 10-300V, 4-500mA

CAT. #	DESCRIPTION
DOUBLE-WIDE MINI-VERTICALS - 20CM(W) X 16CM(H)	
MGV-116-20	Double-Wide Mini-Vertical, Single , Complete System, gel dimensions 20cm(w) x 16cm(h)
MGV-216-20	Double-Wide Mini-Vertical, Dual , Complete System, gel dimensions 20cm(w) x 16cm(h)
Accessories and Replacement parts for MGV-116-20 or MGV-216-20	
MGP20-160R	Gel Wrap® Glass plate Set
MGP20-160R-DN	Gel Wrap® Glass plate Set with Borosilicate back plate
MVE20-0716	Gel Wrap® Gasket, 0.75mm thick
MVE20-1016	Gel Wrap® Gasket, 1.0mm thick
MVE20-1516	Gel Wrap® Gasket, 1.5mm thick
MVS-0716R	Gel Wrap® Spacer Set, 0.75mm thick
MVS-1016R	Gel Wrap® Spacer Set, 1.0mm thick
MVS-1516R	Gel Wrap® Spacer Set, 1.5mm thick
GCC-216-20K	Double-Wide Multi-Caster Kit, 4-place
MGP20-160	Multi-Caster Glass Plate Set
MGP20-160-DN	Multi-Caster Glass plate Set with Borosilicate back plate
MVS-0716	Multi-Caster Spacer Set, 0.75mm thick
MVS-1016	Multi-Caster Spacer Set, 1.0mm thick
MVS-1516	Multi-Caster Spacer Set, 1.5mm thick
EBU-102	Large Blotting System, 3-place , Includes 1 cassette 22cm x 16cm
EBC-102	Additional Blotting Cassette for EBU-102
EBU-4000	Semi-Dry Blotting System , transfer area of 20cm x 20cm
EPS-300 X	Power Supply, CE , 10-300V, 4-500mA