

## High-Throughput Mini-Gel screens up to 204 samples simultaneously



### Triple-Wide Mini-Verticals, Dual

MGV-202-33, MGV-216-33

Complete System:

- Electrophoresis cell with cooling chamber and coolant recirculation ports
- Platinum electrodes
- Long-lasting silicone gaskets
- 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

- SDS-PAGE
- Native PAGE
- Nucleic Acid PAGE
- Screening of large numbers of samples

### FEATURES

- Dual Units are available in 2 gel sizes: 33cm (w) x 10cm (h) with matching Blotter EBU-302 or 33cm(w) x 16cm(h) with matching Blotter EBU-362.
- 33cm wide systems are ideal for electrophoretic separations of a large number of samples that require a relatively short pathlength for resolution.
- Internal cooling chamber in dual units provides precise temperature control.
- For easy identification the thickness and catalog # are printed on all combs and spacers.
- The MGV-202-33 & MGV-216-33 are specifically designed for the mass screening of up to 204 samples simultaneously. These systems can be used for fluorescence based assays whose images can be captured on a scanner directly through optional borosilicate glass plate sets. The 102 well microtitre-compatible comb is designed to run 96 samples plus controls on each side so that results from 2 microtitre plates can be analyzed simultaneously.

SPECIFICATIONS		
Model Cat. #	MGV-202-33	MGV-216-33
Model Type	Dual	Dual
Overall Dimensions W x D x H (cm)	45 x 19 x 12	45 x 19 x 18
Glass Plate Dimensions W x L (cm)	33 x 10	33 x 16
Matching Tank Blotter Cat. #	EBU-302	EBU-362
Matching Semi-Dry Blotter Cat. #	EBU-3000	EBU-6000
Recommended Power Supply	EPS-300 X or EPS-200 X	EPS-300 X or EPS-200 X
Recommended Buffer Volume Upper reservoir	250mls	250mls
Lower reservoir	400mls	400mls
Slab Gel Run Time	30-90 min.	60-90 min.

COMB OPTIONS for 33cm wide units MGV-202-33, MGV-216-33, MGV-116-33, MGV-216-33 material: PTFE, tooth depth: 10mm, overall length: 28.4cm				
Cat. #	# of Teeth	Thickness of Teeth (mm)	Width of Teeth (mm)	Recommended Max. Sample Vol./Well (µl)*
MG33-0731*	31	0.75	5.8	33
MG33-0750	50	0.75	4.05	23
MG33-0763*	63	0.75	2.95	17
MG33-07102TT*	102	0.75	2	11
MG33-1031*	31	1.0	5.8	44
MG33-1050	50	1.0	4.05	30
MG33-1063*	63	1.0	2.95	23
MG33-10102TT*	102	1.0	2	15
MG33-1531*	31	1.5	5.8	65
MG33-1550	50	1.5	4.05	45
MG33-1563*	63	1.5	2.95	33
MG33-15102TT*	102	1.5	2	23

\*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 TRIPLE-WIDE SYSTEMS

### OPTION 1: Multi-Caster Method



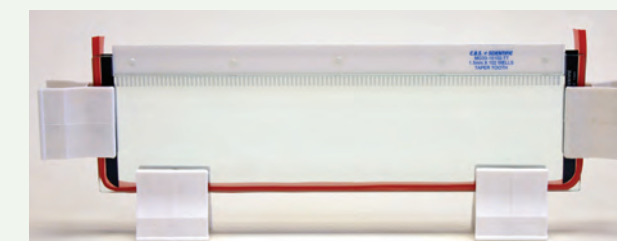
### Triple-Wide Multi-Caster Kits, 4-place

GCC-204-33K, GCC-264-33K

Complete System:

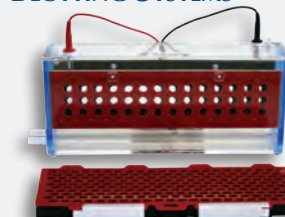
- Multi-Caster Chamber with lid, silicone gasket, 6 stainless steel thumbscrews, backfill port connecting to central filling trough (See page 23 for assembly diagram)
- 4 sets notched glass plate sets
- 4 sets of spacers
- 4 combs
- Polycarbonate separation sheets
- Acrylic shim plate

### 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. (See page 23 for series of photos detailing Gel Wrap Casting System).

## BLOTTING SYSTEMS



Triple-Wide Mini-Blotting System EBU-302 is the companion Tank Blotter for Triple-Wide Systems MGV-102-33 and MGV-202-33. Triple-Wide Mini-Blotting System EBU-362 is the matching blotter for MGV-116-33 and MGV-216-33.



Compatible Semi-Blotting Systems EBU-3000 (shown at left)

## ORDERING INFORMATION

CAT. #	DESCRIPTION
<b>TRIPLE-WIDE MINI-VERTICALS - 33CM(W) X 10CM(H)</b>	
MGV-202-33	Triple-Wide Mini-Vertical, Dual, Complete System, gel dimensions 33cm(w) x 10cm(h)
<b>Accessories and Replacement parts for MGV-102-33 or MGV-202-33</b>	
MGP33-100R	Gel Wrap® Glass plate Set
MGP33-100R-DN	Gel Wrap® Glass plate Set with Borosilicate back plate
MGE33-0710	Gel Wrap® Gasket, 0.75mm thick
MGE33-1010	Gel Wrap® Gasket, 1.0mm thick
MGE33-1510	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-204-33K	Triple-Wide Multi-Caster Kit, 4-place, for 10cm(h) gels
MGP33-100	Multi-Caster Glass plate Set
MGP33-100-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-302	Triple-Wide Blotting System, 2-place, Includes 1 cassette, fits 33cm(w) x 9.5cm(h) gels.
EBC-302	Additional Blotting Cassette for EBU-302
EBU-3000	Semi-Dry Blotting System, transfer area of 12cm x 34cm
EPS-300 X	Power Supply, CE, 10-300V, 4-500mA
EPS-3000P-II	High Voltage Power Supply, CE, 20-3000V, 1-400mA

CAT. #	DESCRIPTION
<b>TRIPLE-WIDE MINI-VERTICALS - 33CM(W) X 16CM(H)</b>	
MGV-216-33	Triple-Wide Mini-Vertical, Dual, Complete System, gel dimensions 33cm(w) x 16cm(h)
<b>Accessories and Replacement parts for MGV-116-33 or MGV-216-33</b>	
MGP33-160R	Gel Wrap® Glass plate Set
MGP33-160R-DN	Gel Wrap® Glass plate Set with Borosilicate back plate
MGE33-0716	Gel Wrap® Gasket, 0.75mm thick
MGE33-1016	Gel Wrap® Gasket, 1.0mm thick
MGE33-1516	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-264-33K	Triple-Wide Multi-Caster Kit, 4-place, for 16cm(h) gels
MGP33-160	Multi-Caster Glass Plate Set
MGP33-160-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-362	Triple-Wide Blotting System, 2-place, Includes 1 cassette, fits 33cm(w) x 13cm(h) gels.
EBC-362	Additional Blotting Cassette for EBU-362
EBU-6000	Semi-Dry Blotting System, transfer area of 35cm x 40cm
EPS-300 X	Power Supply, CE, 10-300V, 4-500mA
EPS-3000P-II	High Voltage Power Supply, CE, 20-3000V, 1-400mA