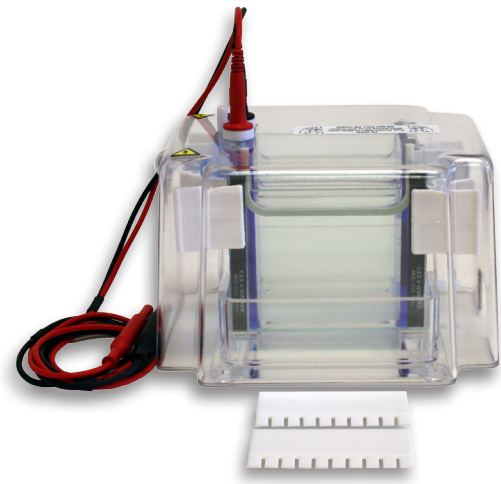
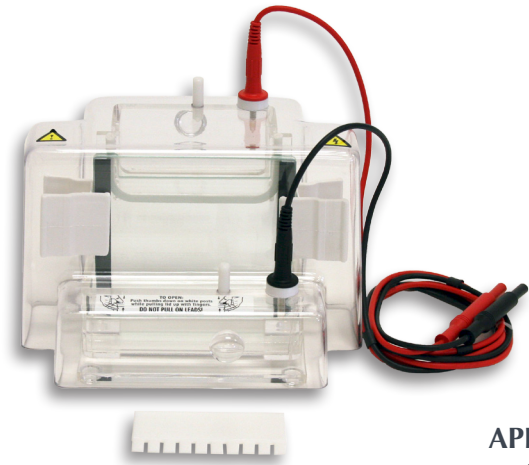


Mini-Verticals, Dual and Single

2 sizes of Mini-Verticals fit precast or handcast gels



Single Mini-Vertical

MGV-102 and MGV-302

Complete System:

- Electrophoresis Unit
- Silicone gaskets on front of unit
- Platinum electrodes
- Safety cover with power leads
- 1 comb
- 1 sets of Gel Wrap® glass plates
- 1 sets of Gel Wrap® spacers
- 1 Gel Wrap® gasket
- 5 spring clamps

APPLICATIONS

- SDS-PAGE
- Native PAGE
- Nucleic Acid PAGE

Dual Mini-Vertical

MGV-202 and MGV-402

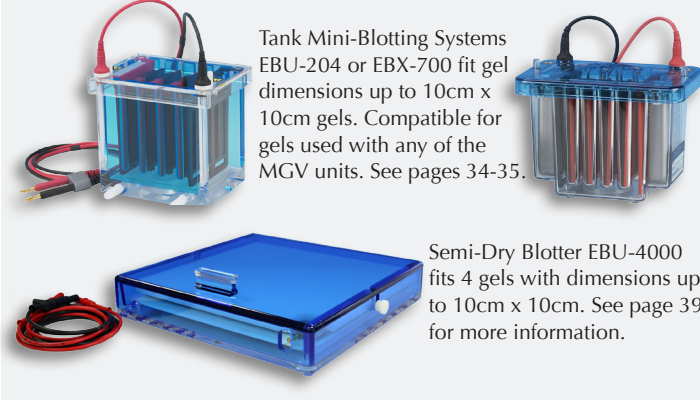
Complete System:

- Electrophoresis Unit with internal cooling chamber and coolant recirculation ports
- Silicone gaskets on both sides of unit
- Platinum electrodes
- Safety cover with power leads
- 2 combs
- 2 sets of Gel Wrap® glass plates
- 2 sets of Gel Wrap® spacers
- 2 Gel Wrap® gaskets
- 10 spring clamps
- Conversion plate for running one gel at a time

FEATURES

- All MGV Mini-Vertical Systems will accept ClearPAGE™ precast gels. The MGV-302 and MGV-402 fit 10 x 8cm ClearPAGE™ gels, while the MGV-102 and MGV-202 fit the 10cm x 10cm ClearPAGE™ precast gels.
- The internal cooling chamber of Dual units provides the capability of running 2 gels simultaneously under identical temperature controlled buffer conditions
- Compatible Blotting Systems run up to 4 gels at a time
- Choice of 2 methods for handcasting of gels
- Small size permits rapid analysis of samples and reduces use of expensive reagents needed for gel formation and running buffer.
- A wide assortment of accessories are available for all sizes.

BLOTTING SYSTEMS



Tank Mini-Blotting Systems EBU-204 or EBX-700 fit gel dimensions up to 10cm x 10cm gels. Compatible for gels used with any of the MGV units. See pages 34-35.

Semi-Dry Blotter EBU-4000 fits 4 gels with dimensions up to 10cm x 10cm. See page 39 for more information.

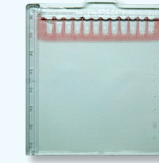
SPECIFICATIONS									
Cat. #	Single or Dual	Gel Capacity	Buffer Volumes (ml)	Overall Dimensions W x D x H (cm)	Glass plate/Cassette size W x H (cm)	Precast Gels W x H (cm)	Run Time	Multiple Gel Casting Chamber	Blotting Chamber
MGV-302	single	1	110	14 x 18 x 10	10 x 8	ClearPAGE™ 10 x 8	25-75 minutes	GCX-204 GCX-204K*	EBU-204 EBX-700 EBU-4000
MGV-402	dual	1-2	205	15 x 18 x 10					
MGV-102	single	1	155	14 x 19.7 x 12.7	11.3 x 10 10 x 10	ClearPAGE™ 10 x 10	30-90 minutes	GCC-204 GCC-204K*	EBU-204 EBX-700 EBU-4000
MGV-202	dual	1-2	250	17 x 19.7 x 12.7					

* Multi-Gel Casting Chamber Kit includes Chamber, separation sheets, 4 sets of glass plates, 4 sets of spacers, and 4 combs

PRECAST GEL OPTIONS FOR MINI-VERTICAL SYSTEMS

ClearPAGE™ Precast Gels:

Superior quality SDS PAGE and DNA/Native PAGE precast gels. Available in two sizes, 10cm(w) x 10cm(h) or 10cm(w) x 8cm (h).



ClearPAGE SDS gels- TEO, packages of 10 - Cat. #'s				
Acrylamide %	Fits MGV-	Gel Size (cm) W x H	12 well	17 well
8%	302, 402	10 x 8	BK00812-10	BK00817-10
	102, 202	10 x 10	FK00812-10	FK00817-10
10%	302, 402	10 x 8	BK01012-10	BK01017-10
	102, 202	10 x 10	FK01012-10	FK01017-10
12%	302, 402	10 x 8	BK01212-10	BK01217-10
	102, 202	10 x 10	FK01212-10	FK01217-10
16%	302, 402	10 x 8	BK01612-10	BK01617-10
	102, 202	10 x 10	FK01612-10	FK01617-10
4 - 8%	302, 402	10 x 8	BK40812-10	BK40817-10
	102, 202	10 x 10	FK40812-10	FK40817-10
4 - 12%	302, 402	10 x 8	BK41212-10	BK41217-10
	102, 202	10 x 10	FK41212-10	FK41217-10
4 - 20%	302, 402	10 x 8	BK42012-10	BK42017-10
	102, 202	10 x 10	FK42012-10	FK42017-10

COMB OPTIONS for 11.3cm wide units MGV-102, MGV-202

material: PTFE, tooth depth: 9.5mm, overall length: 9.9cm				
Cat. #	# of Teeth	Thickness of Teeth (mm)	Width of Teeth (mm)	Recommended Max. Sample Vol./Well (µl)*
MVC-0707	7	0.75	9.2	49
MVC-0710	10	0.75	5.8	31
MVC-0714	14	0.75	3.4	18
MVC-0718	18	0.75	2.9	11
MVC-1007	7	1.0	9.2	65
MVC-1010	10	1.0	5.8	41
MVC-1014	14	1.0	3.4	25
MVC-1018	18	1.0	2.9	15
MVC-1507	7	1.5	9.2	120
MVC-1510	10	1.5	5.8	61
MVC-1514	14	1.5	3.4	37
MVC-1518	18	1.5	2.9	23

COMB OPTIONS, for 10cm wide units MGV-302, MGV-402

material: PTFE, tooth depth: 9.5mm, overall length: 7.9cm				
Cat. #	# of Teeth	Thickness of Teeth (mm)	Width of Teeth (mm)	Recommended Max. Sample Vol./Well (µl)*
MXV-0701	1	0.75	66.6	356
MXV-0710	10	0.75	5.23	28
MXV-0714	14	0.75	3.3	19
MXV-0716	16	0.75	2.92	16
MXV-1001	1	1.0	66.6	474
MXV-1010	10	1.0	5.23	37
MXV-1014	14	1.0	3.3	24
MXV-1016	16	1.0	2.92	21
MXV-1501	1	1.5	66.6	712
MXV-1510	10	1.5	5.23	56
MXV-1514	14	1.5	3.3	35
MXV-1516	16	1.5	2.92	31

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

2 HANDCAST GEL OPTIONS FOR MINI-VERTICAL SYSTEMS

OPTION 1: Multi-Caster Method



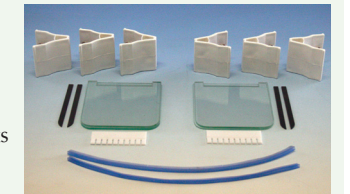
Multi-Caster, 4-place

- GCX-204, GCC-204
Complete System:
- Multi-Caster Chamber with lid, silicone gasket, 5 stainless steel thumbscrews, backfill port connecting to central filling trough
 - Polycarbonate separation sheets
 - Acrylic shim plate

Glass plates, combs, and spacers must be ordered separately.

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. Single Systems come with components to handcast 1 gel while the Dual Systems include components to cast 2 gels at a time. (See top right of page 11 for series of photos detailing Gel Wrap System).



ORDERING INFORMATION *

CAT. #	DESCRIPTION
MINI-VERTICALS - 10CM(W) X 8CM(H)*	
MGV-302	Mini-Vertical System, Single, CE, Complete System
MGV-402	Mini-Vertical System, Dual, CE, Complete System
Accessories and Related Products for MGV-302 & MGV-402	
MGP-300R	Gel Wrap® Glass Plate Set
MVE-0708	Gel Wrap® Gasket, 0.75mm thick
MVE-1008	Gel Wrap® Gasket, 1.0mm thick
MVE-1508	Gel Wrap® Gasket, 1.5mm thick
MVS-0708R	Gel Wrap® Spacer Set, 0.75mm thick
MVS-1008R	Gel Wrap® Spacer Set, 1.0mm thick
MVS-1508R	Gel Wrap® Spacer Set, 1.5mm thick
GCX-204	Multi-Caster, 4-place, Unit Only, 10cm(w)
MGP-300	Multi-Caster Glass Plate Set, 10cm x 8cm
MVS-0708	Multi-Caster Spacer Set, 0.75mm thick
MVS-1008	Multi-Caster Spacer Set, 1.0mm thick
MVS-1508	Multi-Caster Spacer Set, 1.5mm thick
MINI-VERTICALS - 11.3CM(W) X 10CM(H)*	
MGV-102	Mini-Vertical System, Single, CE
MGV-202	Mini-Vertical System, Dual, CE
Accessories and Related Products for MGV-102 & MGV-102	
MGP-100R	Gel Wrap® Glass Plate Set
MVE-0710	Gel Wrap® Gasket, 0.75mm thick
MVE-1010	Gel Wrap® Gasket, 1.0mm thick
MVE-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	Multi-Caster, 4-place, Unit Only, 11.3cm(w)
MGP-100	Multi-Caster Glass Plate Set
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
EPS-300 X	Power Supply, CE, 10-300V, 4-500mA

*See Product list or website for complete listing of catalog numbers and ordering options