

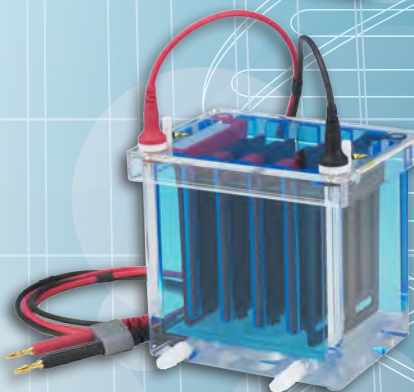
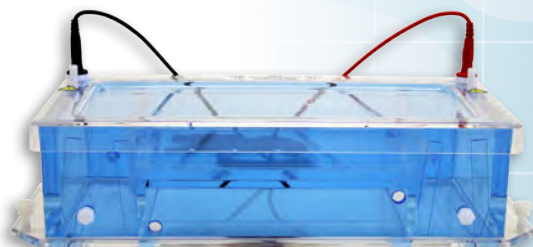
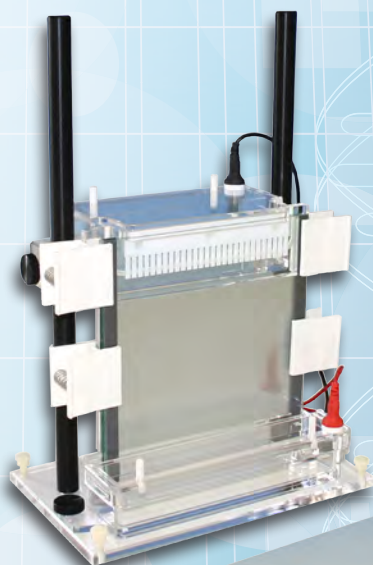
# PRODUCT LIST 2012

ELECTROPHORESIS EQUIPMENT

LABORATORY INSTRUMENTS

PCR WORKSTATIONS™

PRECAST GELS



# **C.B.S. SCIENTIFIC**

C O M P A N Y , I N C

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## **DISCLAIMER**

We make no statement as to guaranteed effectiveness of acrylic radiation shields, and we highly recommend that the "safety level" of beta radiation to be used with these shields be determined by each laboratory's radiation safety officer.

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# Vertical Mini-Gel Electrophoresis Systems

DCX-700 DUAL COOL & QUADRA SLAB GEL/BLOTTING UNITS, 10 x 10cm - Fits ClearPAGE™ Precast Gels, see page 6

## DUAL COOL WITH POWER SUPPLY PROMOTION

Cat#	Item
FM91006	DUAL COOL ELECTROPHORESIS SYSTEM, CE, MINI-VERTICAL SLAB GEL/BLOTTING SYSTEM with EPS-300-II POWER SUPPLY (see description on page 27) Includes power supply and DCX-700 System with lower reservoir, core, 2 blotting cassettes, 2 freezer blocks, safety cover with attached leads, single gel adapter plate.

## DUAL COOL SLAB GEL/BLOTTING UNIT, 10 x 10cm

Cat#	Item
DCX-700	DUAL COOL COMBO ELECTROPHORESIS SYSTEM, MINI-VERTICAL SLAB GEL/BLOTTING SYSTEM, CE Includes lower reservoir, core, 2 blotting cassettes, 2 freezer blocks, safety cover with attached leads, single gel adapter plate.

### ACCESSORIES

EBX-BC-700	Accessory Blotting Cassette, includes sponge pad
EBX-SP-700	Accessory Sponge Pad (set of 4)
EBX-FB-700	Accessory Freezer Block
DCX-SP-109	Accessory Shim Plate for Cambrex 10 x 9 cm precast gel
DCX-AP-1010	Accessory Single Gel Adapter Plate
GR-200-12B	Mini-Gel Plate Rack. Holds 12 each 10cm(w) plates
GR-200-20B	Mini-Gel Plate Rack. Holds 20 each 10cm(w) plates

### COMBS - FOR BOTH METHODS OF GEL CASTING (GEL WRAP OR MULTIPLE CASTING CHAMBERS)

MVX-0701	0.75mm x 1 well
MVX-0710	0.75mm x 10 well
MVX-0714	0.75mm x 14 well
MVX-0716	0.75mm x 16 well
MVX-1001	1.0mm x 1 well
MVX-1010	1.0mm x 10 well
MVX-1014	1.0mm x 14 well
MVX-1016	1.0mm x 16 well
MVX-1501	1.5mm x 1 well
MVX-1510	1.5mm x 10 well
MVX-1514	1.5mm x 14 well
MVX-1516	1.5mm x 16 well

## DUAL COOL/QUADRA GEL DRYER, 4-PLACE (FOR DUAL COOL OR QUADRA)

DCX-7004GD	Gel Dryer, 4-place
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## GEL WRAP HANDCASTING BUNDLES, 2-PLACE (WITH AND WITHOUT DCX-700) DCX-700 & 2-PLACE GEL WRAP HANDCASTING BUNDLES DCX-HC

DCX-HC-7510	DCX-700 bundled with GEL WRAP CASTING KIT, 0.75mm. Includes 2 ea 0.75mm x 10 well combs, 2 sets 0.75mm spacers, 2 ea 0.75mm Gel Wrap™ Gaskets, 2 sets glass plates, and 6 clamps.
DCX-HC-7514	DCX-700 bundled with GEL WRAP CASTING KIT, 0.75mm. Includes 2 ea 0.75mm x 14 well combs, 2 sets 0.75mm spacers, 2 ea 0.75mm Gel Wrap™ Gaskets, 2 sets glass plates, and 6 clamps.
DCX-HC-7516	DCX-700 bundled with GEL WRAP CASTING KIT, 0.75mm. Includes 2 ea 0.75mm x 16 well combs, 2 sets 0.75mm spacers, 2 ea 0.75mm Gel Wrap™ Gaskets, 2 sets glass plates, and 6 clamps.
DCX-HC-1010	DCX-700 bundled with GEL WRAP CASTING KIT, 1.0mm. Includes 2 ea 1.0mm x 10 well combs, 2 sets 1.0mm spacers, 2 ea 1.0mm Gel Wrap™ Gaskets, 2 sets glass plates, and 6 clamps.
DCX-HC-1014	DCX-700 bundled with GEL WRAP CASTING KIT, 1.0mm. Includes 2 ea 1.0mm x 14 well combs, 2 sets 1.0mm spacers, 2 ea 1.0mm Gel Wrap™ Gaskets, 2 sets glass plates, and 6 clamps.
DCX-HC-1016	DCX-700 bundled with GEL WRAP CASTING KIT, 1.0mm. Includes 2 ea 1.0mm x 16 well combs, 2 sets 1.0mm spacers, 2 ea 1.0mm Gel Wrap™ Gaskets, 2 sets glass plates, and 6 clamps.
DCX-HC-1510	DCX-700 bundled with GEL WRAP CASTING KIT, 1.5mm. Includes 2 ea 1.5mm x 10 well combs, 2 sets 1.5mm spacers, 2 ea 1.5mm Gel Wrap™ Gaskets, 2 sets glass plates, and 6 clamps.
DCX-HC-1514	DCX-700 bundled with GEL WRAP CASTING KIT, 1.5mm. Includes 2 ea 1.5mm x 14 well combs, 2 sets 1.5mm spacers, 2 ea 1.5mm Gel Wrap™ Gaskets, 2 sets glass plates, and 6 clamps.
DCX-HC-1516	DCX-700 bundled with GEL WRAP CASTING KIT, 1.5mm. Includes 2 ea 1.5mm x 16 well combs, 2 sets 1.5mm spacers, 2 ea 1.5mm Gel Wrap™ Gaskets, 2 sets glass plates, and 6 clamps.

## CASTING KITS FOR DCX-700 USING GEL WRAP GASKET (DCX-700 NOT INCLUDED)

DCX-C7510	GEL WRAP CASTING KIT, 0.75mm. Includes 2 ea 0.75mm x 10 well combs, 2 sets 0.75mm spacers, 2 ea 0.75mm Gel Wrap™ Gaskets, 2 sets glass plates, and 6 clamps.
DCX-C7514	GEL WRAP CASTING KIT, 0.75mm. Includes 2 ea 0.75mm x 14 well combs, 2 sets 0.75mm spacers, 2 ea 0.75mm Gel Wrap™ Gaskets, 2 sets glass plates, and 6 clamps.
DCX-C7516	GEL WRAP CASTING KIT, 0.75mm. Includes 2 ea 0.75mm x 16 well combs, 2 sets 0.75mm spacers, 2 ea 0.75mm Gel Wrap™ Gaskets, 2 sets glass plates, and 6 clamps.
DCX-C1010	GEL WRAP CASTING KIT, 1.0mm. Includes 2 ea 1.0mm x 10 well combs, 2 sets 1.0mm spacers, 2 ea 1.0mm Gel Wrap™ Gaskets, 2 sets glass plates, and 6 clamps.
DCX-C1014	GEL WRAP CASTING KIT, 1.0mm. Includes 2 ea 1.0mm x 14 well combs, 2 sets 1.0mm spacers, 2 ea 1.0mm Gel Wrap™ Gaskets, 2 sets glass plates, and 6 clamps.
DCX-C1016	GEL WRAP CASTING KIT, 1.0mm. Includes 2 ea 1.0mm x 16 well combs, 2 sets 1.0mm spacers, 2 ea 1.0mm Gel Wrap™ Gaskets, 2 sets glass plates, and 6 clamps.
DCX-C1510	GEL WRAP CASTING KIT, 1.5mm. Includes 2 ea 1.5mm x 10 well combs, 2 sets 1.5mm spacers, 2 ea 1.5mm Gel Wrap™ Gaskets, 2 sets glass plates, and 6 clamps.
DCX-C1514	GEL WRAP CASTING KIT, 1.5mm. Includes 2 ea 1.5mm x 14 well combs, 2 sets 1.5mm spacers, 2 ea 1.5mm Gel Wrap™ Gaskets, 2 sets glass plates, and 6 clamps.
DCX-C1516	GEL WRAP CASTING KIT, 1.5mm. Includes 2 ea 1.5mm x 16 well combs, 2 sets 1.5mm spacers, 2 ea 1.5mm Gel Wrap™ Gaskets, 2 sets glass plates, and 6 clamps.

## ADDITIONAL GEL WRAP GLASS PLATE SETS

DCX-P1010R	Gel Wrap™ Glass Plate Set, 10cm x 10cm, notched with radius
DCX-P1010R-DN	Gel Wrap™ Glass Plate Set, 10cm x 10cm, notched with radius. Includes Borosilicate back plate

## ADDITIONAL GEL WRAP SPACER SETS

DCX-S7510R	Gel Wrap™ Spacer Set, 0.75mm
DCX-S1010R	Gel Wrap™ Spacer Set, 1.0mm
DCX-S1510R	Gel Wrap™ Spacer Set, 1.5mm

## ADDITIONAL GEL WRAP™ GASKET

DCX-E7510	Gel Wrap™ Gasket, 0.75
DCX-E1010	Gel Wrap™ Gasket, 1.0mm
DCX-E1510	Gel Wrap™ Gasket, 1.5mm

## MULTIPLE GEL CASTING CHAMBER BUNDLES

### DCX-700 & 4-PLACE MULTIPLE MINI-GEL CASTING CHAMBERS BUNDLES

DCX-MHC-7510	DCX-700 bundled with 4-place Casting Chamber also includes 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 0.75mm spacers, and 4 each 0.75mm x 10 well combs.
DCX-MHC-7514	DCX-700 bundled with 4-place Casting Chamber also includes 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 0.75mm spacers, and 4 each 0.75mm x 14 well combs.
DCX-MHC-7516	DCX-700 bundled with 4-place Casting Chamber also includes 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 0.75mm spacers, and 4 each 0.75mm x 16 well combs.
DCX-MHC-1010	DCX-700 bundled with 4-place Casting Chamber also includes 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 1.0mm spacers, and 4 each 1.0mm x 10 well combs.
DCX-MHC-1014	DCX-700 bundled with 4-place Casting Chamber also includes 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 1.0mm spacers, and 4 each 1.0mm x 14 well combs.
DCX-MHC-1016	DCX-700 bundled with 4-place Casting Chamber also includes 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 1.0mm spacers, and 4 each 1.0mm x 16 well combs.
DCX-MHC-1510	DCX-700 bundled with 4-place Casting Chamber also includes 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 1.5mm spacers, and 4 each 1.5mm x 10 well combs.
DCX-MHC-1514	DCX-700 bundled with 4-place Casting Chamber also includes 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 1.5mm spacers, and 4 each 1.5mm x 14 well combs.
DCX-MHC-1516	DCX-700 bundled with 4-place Casting Chamber also includes 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 1.5mm spacers, and 4 each 1.5mm x 16 well combs.

## MULTIPLE MINI-GEL CASTING CHAMBERS FOR DUAL COOL/QUADRA, CHAMBER ONLY

DCX-MC-4	MULTIPLE CASTING CHAMBER, UNIT ONLY, 4-place Casts up to 4 gels simultaneously. Order "Multi-Caster" glass plates and spacers listed directly below. Order combs from list above.
DCX-MC-10	MULTIPLE CASTING CHAMBER, UNIT ONLY, 10-place Casts up to 10 gels simultaneously. Order "Multi-Caster" glass plates and spacers listed directly below. Order combs from list above.

## MULTI-CASTER GLASS PLATES, SPACERS & accessories

DCX-P1010	Multi-Caster Glass Plate Set, 10cm x 10cm, notched.
DCX-P1010-DN	Multi-Caster Glass Plate Set, 10cm x 10cm, notched with borosilicate back plate
DCX-S7510	Multi-Caster Spacer Set, 0.75mm
DCX-S1010	Multi-Caster Spacer Set, 1.0mm
DCX-S1510	Multi-Caster Spacer Set, 1.5mm
GCC-AKMC4	Conversion blocks, converts 4-place casting chamber into 2-place

## MULTIPLE MINI-GEL CASTING CHAMBERS FOR DUAL COOL/QUADRA, 4-PLACE (DCX-700 NOT INCLUDED)

DCX4K-7510	MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 4-place Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 0.75mm spacers, and 4 each 0.75mm x 10 well combs.
DCX4K-7514	MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 4-place Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 0.75mm spacers, and 4 each 0.75mm x 14 well combs.
DCX4K-7516	MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 4-place Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 0.75mm spacers, and 4 each 0.75mm x 16 well combs.
DCX4K-1010	MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 4-place Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 1.0mm spacers, and 4 each 1.0mm x 10 well combs.
DCX4K-1014	MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 4-place Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 1.0mm spacers, and 4 each 1.0mm x 14 well combs.
DCX4K-1016	MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 4-place Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 1.0mm spacers, and 4 each 1.0mm x 16 well combs.
DCX4K-1510	MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 4-place Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 1.5mm spacers, and 4 each 1.5mm x 10 well combs.
DCX4K-1514	MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 4-place Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 1.5mm spacers, and 4 each 1.5mm x 14 well combs.
DCX4K-1516	MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 4-place Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 1.5mm spacers, and 4 each 1.5mm x 16 well combs.

# Vertical Mini-Gel Electrophoresis Systems

## DCX-700 DUAL COOL & QUADRA SLAB GEL/BLOTTING UNITS, 10 x 10cm - Fits ClearPAGE™ Precast Gels, see page 6

### MULTIPLE MINI-GEL CASTING CHAMBERS FOR DUAL COOL/QUADRA, 10-PLACE

DCX10K-7510 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 10-place  
Kit includes chamber with 10 sets of "Multi-Caster" Glass plates, 10 sets of "Multi-Caster" 0.75mm spacers, and 10 each 0.75mm x 10 well combs.

DCX10K-7514 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 10-place  
Kit includes chamber with 10 sets of "Multi-Caster" Glass plates, 10 sets of "Multi-Caster" 0.75mm spacers, and 10 each 0.75mm x 14 well combs.

DCX10K-7516 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 10-place  
Kit includes chamber with 10 sets of "Multi-Caster" Glass plates, 10 sets of "Multi-Caster" 0.75mm spacers, and 10 each 0.75mm x 16 well combs.

DCX10K-1010 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 10-place  
Kit includes chamber with 10 sets of "Multi-Caster" Glass plates, 10 sets of "Multi-Caster" 1.0mm spacers, and 10 each 1.0mm x 10 well combs.

DCX10K-1014 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 10-place  
Kit includes chamber with 10 sets of "Multi-Caster" Glass plates, 10 sets of "Multi-Caster" 1.0mm spacers, and 10 each 1.0mm x 14 well combs.

DCX10K-1016 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 10-place  
Kit includes chamber with 10 sets of "Multi-Caster" Glass plates, 10 sets of "Multi-Caster" 1.0mm spacers, and 10 each 1.0mm x 16 well combs.

DCX10K-1510 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 10-place  
Kit includes chamber with 10 sets of "Multi-Caster" Glass plates, 10 sets of "Multi-Caster" 1.5mm spacers, and 10 each 1.5mm x 10 well combs.

DCX10K-1514 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 10-place  
Kit includes chamber with 10 sets of "Multi-Caster" Glass plates, 10 sets of "Multi-Caster" 1.5mm spacers, and 10 each 1.5mm x 14 well combs.

DCX10K-1516 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 10-place  
Kit includes chamber with 10 sets of "Multi-Caster" Glass plates, 10 sets of "Multi-Caster" 1.5mm spacers, and 10 each 1.5mm x 16 well combs.

### ADDITIONAL MULTI-CASTER GLASS PLATES AND SPACERS & accessories

DCX-P1010 Multi-Caster Glass Plate Set, 10cm x 10cm, notched.

DCX-P1010-DN Multi-Caster Glass Plate Set, 10cm x 10cm, notched with borosilicate back plate

DCX-S7510 Multi-Caster Spacer Set, 0.75mm

DCX-S1010 Multi-Caster Spacer Set, 1.0mm

DCX-S1510 Multi-Caster Spacer Set, 1.5mm

GCC-AKMC4 Conversion blocks, converts 4-place casting chamber into 2-place

### QUADRA 4-PLACE SLAB GEL/BLOTTING UNITS, 10 x 10cm

**Cat# Item**  
QNX-700 QUADRA ELECTROPHORESIS SYSTEM, CE.  
MINI-VERTICAL SLAB GEL/BLOTTING SYSTEM, 4-PLACE  
Includes lower buffer reservoir, 2 cores to accommodate 4 gels or 4 blotting cassettes, 4 blotting cassettes with sponge pads, safety cover with attached power leads

QNX-700-HC QUADRA ELECTROPHORESIS SYSTEM, CE.  
MINI-VERTICAL SLAB GEL/BLOTTING SYSTEM, 4-PLACE  
Includes same as QNX-700 with 4-place Gel Wrap casting bundle: 4 combs, 4 sets spacers, 4 glass plate sets and 4 Gel Wrap gaskets, 12 clamps

QNC-700 QUADRA ELECTROPHORESIS SYSTEM, CE.  
MINI-VERTICAL SLAB GEL/BLOTTING SYSTEM, 4-PLACE  
Includes lower buffer reservoir with double sided cooling labyrinth and tubing adapters, 2 cores to accommodate 4 gels or 4 blotting cassettes, 4 blotting cassettes with sponge pads, safety cover with attached power leads

QNC-700-HC QUADRA ELECTROPHORESIS SYSTEM, CE.  
MINI-VERTICAL SLAB GEL/BLOTTING SYSTEM, 4-PLACE  
Includes same as QNC-700 with 4-place Gel Wrap casting bundle: 4 combs, 4 sets spacers, 4 glass plate sets and 4 Gel Wrap gaskets, 12 clamps

### QUADRA GEL DRYER, 4-PLACE (FOR DUAL COOL OR QUADRA)

DCX-700GD DCX-700 Gel Dryer, 4-place

### MULTIPLE MINI-GEL CASTING CHAMBERS FOR DUAL COOL/QUADRA, CHAMBER ONLY

**Cat. # Item Price**  
DCX-MC-4 MULTIPLE CASTING CHAMBER, UNIT ONLY, 4-place  
Casts up to 4 gels simultaneously. Order "Multi-Caster" glass plates and spacers listed directly below. Order combs from list above.

DCX-MC-10 MULTIPLE CASTING CHAMBER, UNIT ONLY, 10-place  
Casts up to 10 gels simultaneously. Order "Multi-Caster" glass plates and spacers listed directly below. Order combs from list above.

### MULTI-CASTER GLASS PLATES AND SPACERS

DCX-P1010 Multi-Caster Glass Plate Set, 10cm x 10cm, notched.

DCX-S7510 Multi-Caster Spacer Set, 0.75mm

DCX-S1010 Multi-Caster Spacer Set, 1.0mm

DCX-S1510 Multi-Caster Spacer Set, 1.5mm

GCC-AKMC4 Conversion blocks, converts 4-place casting chamber into 2-place

### MULTIPLE GEL CASTING CHAMBER BUNDLES, 4-PLACE & 10-PLACE

#### MULTIPLE MINI-GEL CASTING CHAMBERS FOR DUAL COOL/QUADRA, 4-PLACE

DCX4K-7510 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 4-place  
Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 0.75mm spacers, and 4 each 0.75mm x 10 well combs.

DCX4K-7514 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 4-place  
Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 0.75mm spacers, and 4 each 0.75mm x 14 well combs.

DCX4K-7516 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 4-place  
Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 0.75mm spacers, and 4 each 0.75mm x 16 well combs.

DCX4K-1010 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 4-place  
Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 1.0mm spacers, and 4 each 1.0mm x 10 well combs.

DCX4K-1014 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 4-place  
Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 1.0mm spacers, and 4 each 1.0mm x 14 well combs.

DCX4K-1016 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 4-place  
Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 1.0mm spacers, and 4 each 1.0mm x 16 well combs.

DCX4K-1510 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 4-place  
Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 1.5mm spacers, and 4 each 1.5mm x 10 well combs.

DCX4K-1514 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 4-place  
Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 1.5mm spacers, and 4 each 1.5mm x 14 well combs.

DCX4K-1516 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 4-place  
Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 sets of "Multi-Caster" 1.5mm spacers, and 4 each 1.5mm x 16 well combs.

#### MULTIPLE MINI-GEL CASTING CHAMBERS FOR DUAL COOL/QUADRA, 10-PLACE

DCX10K-7510 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 10-place  
Kit includes chamber with 10 sets of "Multi-Caster" Glass plates, 10 sets of "Multi-Caster" 0.75mm spacers, and 10 each 0.75mm x 10 well combs.

DCX10K-7514 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 10-place  
Kit includes chamber with 10 sets of "Multi-Caster" Glass plates, 10 sets of "Multi-Caster" 0.75mm spacers, and 10 each 0.75mm x 14 well combs.

DCX10K-7516 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 10-place  
Kit includes chamber with 10 sets of "Multi-Caster" Glass plates, 10 sets of "Multi-Caster" 0.75mm spacers, and 10 each 0.75mm x 16 well combs.

DCX10K-1010 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 10-place  
Kit includes chamber with 10 sets of "Multi-Caster" Glass plates, 10 sets of "Multi-Caster" 1.0mm spacers, and 10 each 1.0mm x 10 well combs.

DCX10K-1014 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 10-place  
Kit includes chamber with 10 sets of "Multi-Caster" Glass plates, 10 sets of "Multi-Caster" 1.0mm spacers, and 10 each 1.0mm x 14 well combs.

DCX10K-1016 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 10-place  
Kit includes chamber with 10 sets of "Multi-Caster" Glass plates, 10 sets of "Multi-Caster" 1.0mm spacers, and 10 each 1.0mm x 16 well combs.

DCX10K-1510 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 10-place  
Kit includes chamber with 10 sets of "Multi-Caster" Glass plates, 10 sets of "Multi-Caster" 1.5mm spacers, and 10 each 1.5mm x 10 well combs.

DCX10K-1514 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 10-place  
Kit includes chamber with 10 sets of "Multi-Caster" Glass plates, 10 sets of "Multi-Caster" 1.5mm spacers, and 10 each 1.5mm x 14 well combs.

DCX10K-1516 MULTIPLE DCX-700 GEL CASTING CHAMBER KIT, 10-place  
Kit includes chamber with 10 sets of "Multi-Caster" Glass plates, 10 sets of "Multi-Caster" 1.5mm spacers, and 10 each 1.5mm x 16 well combs.

#### ADDITIONAL MULTI-CASTER GLASS PLATES AND SPACERS & accessories

DCX-P1010 Multi-Caster Glass Plate Sets, 10cm x 10cm, notched.

DCX-S7510 Multi-Caster Spacer Set, 0.75mm

DCX-S1010 Multi-Caster Spacer Set, 1.0mm

DCX-S1510 Multi-Caster Spacer Set, 1.5mm

GCC-AKMC4 Conversion blocks, converts 4-place casting chamber into 2-place

#### GEL WRAP™ CASTING BUNDLES, 4-PLACE FOR QUADRA

##### 4 PLACE GEL WRAP CASTING BUNDLES

QN-C7510 4 sets of GelWrap™ Glass plates, 4 sets of GelWrap™ 0.75mm spacers, and 4 each 0.75mm x 10 well combs.

QN-C7514 4 sets of GelWrap™ Glass plates, 4 sets of GelWrap™ 0.75mm spacers, and 4 each 0.75mm x 14 well combs.

QN-C7516 4 sets of GelWrap™ Glass plates, 4 sets of GelWrap™ 0.75mm spacers, and 4 each 0.75mm x 16 well combs.

QN-C1010 4 sets of GelWrap™ Glass plates, 4 sets of GelWrap™ 1.0mm spacers, and 4 each 1.0mm x 10 well combs.

QN-C1014 4 sets of GelWrap™ Glass plates, 4 sets of GelWrap™ 1.0mm spacers, and 4 each 1.0mm x 14 well combs.

QN-C1016 4 sets of GelWrap™ Glass plates, 4 sets of GelWrap™ 1.0mm spacers, and 4 each 1.0mm x 16 well combs.

QN-C1510 4 sets of GelWrap™ Glass plates, 4 sets of GelWrap™ 1.5mm spacers, and 4 each 1.5mm x 10 well combs.

QN-C1514 4 sets of GelWrap™ Glass plates, 4 sets of GelWrap™ 1.5mm spacers, and 4 each 1.5mm x 14 well combs.

QN-C1516 4 sets of GelWrap™ Glass plates, 4 sets of GelWrap™ 1.5mm spacers, and 4 each 1.5mm x 16 well combs.

#### ADDITIONAL GEL WRAP GLASS PLATE SETS

DCX-P1010R Gel Wrap™ Glass Plate Set, 10cm x 10cm, notched with radius.

#### ADDITIONAL GEL WRAP SPACER SETS

DCX-S7510R Gel Wrap™ Spacer Set, 0.75mm

DCX-S1010R Gel Wrap™ Spacer Set, 1.0mm

DCX-S1510R Gel Wrap™ Spacer Set, 1.5mm

#### ADDITIONAL GEL WRAP™ GASKET

DCX-E7510 Gel Wrap™ Gasket, 0.75

DCX-E1010 Gel Wrap™ Gasket, 1.0mm

DCX-E1510 Gel Wrap™ Gasket, 1.5mm

#### ADDITIONAL ACCESSORIES

**Cat. # Item**  
GM-40 GRADIENT MAKER, 20ml per side, with side outlet

GM-100 GRADIENT MAKER, 50ml per side, with side outlet

MPP-100 MINI-PERISTALTIC PUMP, Variable flow mini-pump, 110V

MPP-100-220 MINI-PERISTALTIC PUMP, Variable flow mini-pump, 220V

GMCK-100 GRADIENT MAKER TUBING KIT

GCC-AKMC4 Conversion blocks, converts 4-place casting chamber into 2-place

# Precast Gels

## CLEARPAGE™ PRECAST GELS (10cm x 10cm) & ACCESSORIES

ClearPAGE gels must be used with ClearPAGE buffers ONLY. Buffer recipes available upon request.

### CLEARPAGE PROMOTIONS

Cat. #	Description
FM95005	ClearPAGE /DCX-700 Special Offer, Order 50 SDS gels of choice and receive FREE DCX-700
FM90002	ClearPAGE Sampler Kit, Includes 2 SDS gels of choice with trial size buffers and instructions for use.
FM90003	ClearPAGE Sampler Kit, Includes 2 DNA/Native gels of choice with trial size buffers and instructions for use.
FM90005	ClearPAGE SUPER Sampler Kit, Includes 2 SDS gels of choice with trial size buffers, trial size 2-Color Markers, trial size Instant Blue stain, and instructions for use.

## TEO CLEARPAGE™ PRECAST GELS - SDS (10cm x 10cm)

### CLEARPAGE PRECAST GELS-SDS

Cat. #	Precast Gel Description
FK00812	ClearPAGE SDS Gel 8%, 12 well
FK00827	ClearPAGE SDS Gel 8%, 17 well
FK01001	ClearPAGE SDS Gel 10%, 1 well*
FK01012	ClearPAGE SDS Gel 10%, 12 well
FK01027	ClearPAGE SDS Gel 10%, 17 well
FK01201	ClearPAGE SDS Gel 12%, 1 well*
FK01212	ClearPAGE SDS Gel 12%, 12 well
FK01227	ClearPAGE SDS Gel 12%, 17 well
FK01612	ClearPAGE SDS Gel 16%, 12 well
FK01627	ClearPAGE SDS Gel 16%, 17 well
FK40812	ClearPAGE SDS Gel 4-8%, 12 well
FK40827	ClearPAGE SDS Gel 4-8%, 17 well
FK41212	ClearPAGE SDS Gel 4-12%, 12 well
FK41227	ClearPAGE SDS Gel 4-12%, 17 well
FK42001	ClearPAGE SDS Gel 4-20%, 1 well*
FK42002	ClearPAGE SDS Gel 4-20%, 2D*
FK42012	ClearPAGE SDS Gel 4-20%, 12 well
FK42027	ClearPAGE SDS Gel 4-20%, 17 well

\* Minimum order of 20 gels (2boxes)

### CLEARPAGE PRECAST GELS-SDS, PACKAGES OF TEN

Cat. #	Precast Gel Description
FK00812-10	ClearPAGE SDS Gel 8%, 12 well, package of 10
FK00827-10	ClearPAGE SDS Gel 8%, 17 well, package of 10
FK01001-10	ClearPAGE SDS Gel 10%, 1 well, package of 10*
FK01012-10	ClearPAGE SDS Gel 10%, 12 well, package of 10
FK01027-10	ClearPAGE SDS Gel 10%, 17 well, package of 10
FK01201-10	ClearPAGE SDS Gel 12%, 1 well, package of 10*
FK01212-10	ClearPAGE SDS Gel 12%, 12 well, package of 10
FK01227-10	ClearPAGE SDS Gel 12%, 17 well, package of 10
FK01612-10	ClearPAGE SDS Gel 16%, 12 well, package of 10
FK01627-10	ClearPAGE SDS Gel 16%, 17 well, package of 10
FK40812-10	ClearPAGE SDS Gel 4-8%, 12 well, package of 10
FK40827-10	ClearPAGE SDS Gel 4-8%, 17 well, package of 10
FK41212-10	ClearPAGE SDS Gel 4-12%, 12 well, package of 10
FK41227-10	ClearPAGE SDS Gel 4-12%, 17 well, package of 10
FK42001-10	ClearPAGE SDS Gel 4-20%, 1 well, package of 10*
FK42002-10	ClearPAGE SDS Gel 4-20%, 2D, package of 10*
FK42012-10	ClearPAGE SDS Gel 4-20%, 12 well, package of 10
FK42027-10	ClearPAGE SDS Gel 4-20%, 17 well, package of 10

\* Minimum order of 20 gels (2boxes)

## TEO CLEARPAGE™ PRECAST GELS - SDS -10cm(w) x 8cm(h)

### CLEARPAGE PRECAST GELS-SDS- 8cm(h) x 10cm(w)- PACKAGES OF 10

for individual gels please call for ordering information

Cat. #	Precast Gel Description
BRGK-100:	Mini-Protean®* replacement gasket- replaces green gasket on Mini-Protean for use with ClearPAGE™ 8x10 gels
BK00812-10	ClearPAGE SDS Gel 8%, 12 well, package of 10
BK00817-10	ClearPAGE SDS Gel 8%, 17 well, package of 10
BK01012-10	ClearPAGE SDS Gel 10%, 12 well, package of 10
BK01017-10	ClearPAGE SDS Gel 10%, 17 well, package of 10
BK01212-10	ClearPAGE SDS Gel 12%, 12 well, package of 10
BK01217-10	ClearPAGE SDS Gel 12%, 17 well, package of 10
BK01612-10	ClearPAGE SDS Gel 16%, 12 well, package of 10
BK01617-10	ClearPAGE SDS Gel 16%, 17 well, package of 10
BK40812-10	ClearPAGE SDS Gel 4-8%, 12 well, package of 10
BK40817-10	ClearPAGE SDS Gel 4-8%, 17 well, package of 10
BK41212-10	ClearPAGE SDS Gel 4-12%, 12 well, package of 10
BK41217-10	ClearPAGE SDS Gel 4-12%, 17 well, package of 10
BK42012-10	ClearPAGE SDS Gel 4-20%, 12 well, package of 10
BK42017-10	ClearPAGE SDS Gel 4-20%, 17 well, package of 10

\*Mini Protean is a registered trademark of Bio Rad

## CLEARPAGE BUFFERS, REDUCER, STAINS & MARKER SOLUTIONS FOR PROTEIN SEPARATIONS

Cat. #	Description
FB31010	ClearPAGE LDS Sample Buffer -10ml, 4x
FB32001	ClearPAGE DTT Reducer 10x, 1ml
FB50053	ClearPAGE SDS-Non-Reducing Running Buffer- 50ml, 20x
FB50500	ClearPAGE SDS-Non-Reducing Running Buffer- 500ml, 20x
FB60053	ClearPAGE SDS-Reducing Running Buffer-50ml, 20x
FB60500	ClearPAGE SDS-Reducing Running Buffer- 500ml, 20x
FB14053	ClearPAGE TURBO Reducing Running Buffer-50ml, 20x
FB14500	ClearPAGE TURBO Reducing Running Buffer- 500ml, 20x
FB82500	ClearPAGE TGS Transfer Buffer- 500ml, 10x Transfer buffer for all types of gels
HG73010	ClearPAGE Instant Blue Stain, 1 liter
HG73050	ClearPAGE Instant Blue Stain, trial size, 50ml
HM05160	ClearPAGE 2-color marker, 0.6ml
HM05103	ClearPAGE 2 color marker, trial size, 30µl

### CLEARPAGE BLOTTING & DRYING ACCESSORIES

Cat. #	Description
FB82500	ClearPAGE TGS Transfer Buffer - 500ml, 10x
HP19001	ClearPAGE Blot Sandwich NC 90x85mm 2/pk. 0.2µ Nitrocellulose/1mm blotting paper
HP19020	ClearPAGE Blot Sandwich NC 90x85mm 20/pk. 0.2µ Nitrocellulose/1mm blotting paper
HP29301	ClearPAGE Blot Sandwich PVDF 90x85mm 2/pk. 0.2µ PVDF/1mm blotting paper
HP29320	ClearPAGE Blot Sandwich PVDF 90x85mm 20/pk. 0.2µ PVDF/1mm blotting paper
HB04510	ClearPAGE Gel Drying Solution - 1 liter
HB90013	1-place Drying frame with 8 clamps and 20 pieces of cellophane, 13 x 13cm.
HB01320	Precut Cellophane - 13 x 13cm, package of 20 sheets
HB90001	4-place Drying frame with 8 clamps and 20 pieces of cellophane, 25 x 25cm.
HB90025	4-place "cut-out" Drying Frame, 25cm x 25cm with 8 clamps, 20 pieces of cellophane, and 125mls of drying solution
HB02520	Precut Cellophane - 25 x 25cm, package of 20 sheets

## CLEARPAGE™ PRECAST GELS - DNA/NATIVE (10cm x 10cm)

### CLEARPAGE PRECAST GELS-DNA/NATIVE

Cat. #	Description
GN01012	ClearPAGE DNA/Native Gel 10%, 12 well
GN01027	ClearPAGE DNA/Native Gel 10%, 17 well
GN20812	ClearPAGE DNA/Native Gel 2-8%, 12 well
GN20827	ClearPAGE DNA/Native Gel 2-8%, 17 well
GN32012	ClearPAGE DNA/Native Gel 3-20%, 12 well
GN32027	ClearPAGE DNA/Native Gel 3-20%, 17 well

### CLEARPAGE PRECAST GELS-DNA/NATIVE, PACKAGES OF TEN

Cat. #	Description
GN01012-10	ClearPAGE DNA/Native Gel 10%, 12 well, , package of 10
GN01027-10	ClearPAGE DNA/Native Gel 10%, 17 well, package of 10
GN20812-10	ClearPAGE DNA/Native Gel 2-8%, 12 well, package of 10
GN20827-10	ClearPAGE DNA/Native Gel 2-8%, 17 well, package of 10
GN32012-10	ClearPAGE DNA/Native Gel 3-20%, 12 well, package of 10
GN32027-10	ClearPAGE DNA/Native Gel 3-20%, 17 well, package of 10

### CLEARPAGE BUFFER SOLUTIONS FOR DNA/NATIVE PROTEIN SEPARATIONS

Cat. #	Description
GB33010	ClearPAGE DNA/Native Sample Buffer -10ml, 4x
GB61053	ClearPAGE DNA/Native Running Buffer- 50ml, 20x
GB61500	ClearPAGE DNA/Native Running Buffer- 500ml, 20x

# Vertical Mini-Gel Systems, 10cm(w) x 8cm(h)

## VERTICAL MINI-GEL UNITS, 10cm WIDE x 8cm(h)

Cat. #	Item
MGV-302-U	MINI-GEL UNIT, UNIT ONLY, CE.
MGV-302	MINI-GEL KIT, CE. Includes Electrophoresis Cell, 1 comb, 1 Gel Wrap spacer set, 1 Gel Wrap glass plate set, Gel Wrap, and 5 white spring clamps (3 GPC-0002 and 2 GPC-0003). Glass plate dimensions are 10cm (w) x 8cm (h). Please specify comb and spacer cat. # from accessory lists below.
MGV-402-U	DUAL VERTICAL MINI-GEL UNIT, UNIT ONLY, CE.
MGV-402	DUAL VERTICAL MINI-GEL KIT, CE. Includes electrophoresis cell with cooling chamber, 2 combs, 2 Gel Wrap spacer sets, 2 Gel Wrap glass plate sets, Gel Wrap, and 10 white spring clamps (6 GPC-0002 and 4 GPC-0003). Glass plate dimensions are 10cm (w) x 8cm (h). Please specify comb and spacer cat. #'s from accessory lists below.

## ACCESSORIES, 10cm WIDE

Compatible Blotting Units, EBX-700 and EBU-204: See Mini- Blotting listings on page 20.

### COMBS for MGV-302 and 402- FOR BOTH METHODS OF GELCASTING (Gel Wrap or Multiple Casting Chambers)

Cat. #	Comb Dimensions
MXV-0501	0.5mm x 1 well
MXV-0510	0.5mm x 10 well
MXV-0514	0.5mm x 14 well
MXV-0516	0.5mm x 16 well
MXV-0701	0.75mm x 1 well
MXV-0710	0.75mm x 10 well
MXV-0714	0.75mm x 14 well
MXV-0716	0.75mm x 16 well
MXV-1001	1.0mm x 1 well
MXV-1010	1.0mm x 10 well
MXV-1014	1.0mm x 14 well
MXV-1016	1.0mm x 16 well
MXV-1501	1.5mm x 1 well
MXV-1510	1.5mm x 10 well
MXV-1514	1.5mm x 14 well
MXV-1516	1.5mm x 16 well
MXV-2001	2.0mm x 1 well
MXV-2010	2.0mm x 10 well
MXV-2014	2.0mm x 14 well
MXV-2016	2.0mm x 16 well

### MULTIPLE MINI-GEL CASTING CHAMBERS FOR MGV-302 AND MGV-402

Cat. #	Item
GCX-204	MULTIPLE CASTING CHAMBER ONLY, 4-place Casts up to 4 gels simultaneously. Order "Multi-Caster" glass plates and spacers listed directly below. Order MVX combs listed above.
GCX-204K	MULTIPLE CASTING CHAMBER KIT, 4-place Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 combs and 4 sets of "Multi-Caster" spacers. Specify thicknesses and # of wells for combs and spacers. For replacement or additional accessories order "Multi-Caster" glass plates and spacers from accessories listed directly below.
GCX-210	MULTIPLE CASTING CHAMBER ONLY, 4-place Casts up to 4 gels simultaneously. Order "Multi-Caster" glass plates and spacers listed directly below. Order MVX combs listed above.
GCX-210K	MULTIPLE CASTING CHAMBER KIT, 10-place Kit includes chamber with 10 sets of "Multi-Caster" Glass plates, 10 combs and 10 sets of "Multi-Caster" spacers. Specify thicknesses and # of wells for combs and spacers. For replacement or additional accessories order "Multi-Caster" glass plates and spacers from accessories listed directly below.
MGP-300	10 x 8cm "Multi-Caster" Glass plate set
MGP-300-DN	10 x 8cm "Multi-Caster" Glass plate set, borosilicate back plate
MVS-0508	0.50mm thick x 8.0cm, "Multi-Caster" Spacer Set
MVS-0708	0.75mm thick x 8.0cm, "Multi-Caster" Spacer Set
MVS-1008	1.00mm thick x 8.0cm, "Multi-Caster" Spacer Set
MVS-1508	1.50mm thick x 8.0cm, "Multi-Caster" Spacer Set
MVS-2008	2.00mm thick x 8.0cm, "Multi-Caster" Spacer Set
GCX-AK204	Conversion blocks, converts 4-place casting chamber into 2-place

### GEL WRAP MINI-GEL CASTING FOR MGV-302 AND MGV-402

#### Gel Wrap Glass Plate Sets (1/8" Front and Back Plate)

Cat. #	Glass Plate Dimensions
MGP-300R	10 x 8cm glass plate set, notched with radius
MGP-300R-DN	10 x 8cm glass plate set, notched with radius, borosilicate back plate
MGP-400R	10 x 8cm notched and frosted with radius (for agarose), 1 set
MGP-400R-DN	10 x 8cm notched and frosted with radius (for agarose), 1 set, borosilicate back plate

#### Gel Wrap Spacer Sets (2 Sides with Rounded Corners)

Cat. #	Spacer Thickness x length
MVS-0508R	0.50mm thick x 8.0cm
MVS-0708R	0.75mm thick x 8.0cm
MVS-1008R	1.00mm thick x 8.0cm
MVS-1508R	1.50mm thick x 8.0cm
MVS-2008R	2.00mm thick x 8.0cm

#### Gel Wrap Gasket®

Cat. #	Gasket thickness
MVE-0508	0.50mm thick
MVE-0708	0.75mm thick
MVE-1008	1.00mm thick
MVE-1508	1.50mm thick
MVE-2008	2.00mm thick

#### White Clamps

Cat. #	Item
GPC-0001-6	Large white clamp, jaws slightly open in resting position. Package of 6
GPC-0002-6	Large white clamp, jaws together in resting position. Package of 6
GPC-0003-6	Smaller white clamp. Package of 6
GPC-0004-6	Large capacity, multi-task white clamps. (Package of two)

#### Silicone Cord Repair Kit

Cat. #	Item
SCK-400	Kit for Mini-Vertical units

#### Bulk Gel Wrap Gasket

Cat. #	Gel Thickness
VGE-05XX	0.5mm thick - yellow
VGE-07XX	0.75mm thick - yellow
VGE-10XX	1.0mm thick - red
VGE-15XX	1.5mm thick - blue
VGE-20XX	2.0mm thick - purple
VGE-30XX	3.0mm thick - white*

#### Mini-Gel Glass Plate Racks

Cat. #	Item
GR-200-12B	Mini-Gel Plate Rack. Holds 12 each 10cm(w) plates
GR-200-20B	Mini-Gel Plate Rack. Holds 20 each 10cm(w) plates

# Vertical Mini-Gel Systems, 11.3cm(w) x 10cm(h)

## VERTICAL MINI-GEL UNITS, 11.3cm WIDE x 10cm(h)

Fits ClearPAGE™, Invitrogen/Novex, Cambrex and Jule Precast Gels

Cat. #	Item
MGV-102-U	VERTICAL MINI-GEL UNIT. UNIT ONLY, CE.
MGV-102	VERTICAL MINI-GEL KIT, CE. Includes Electrophoresis Cell, 1 comb, 1 Gel Wrap spacer set, 1 Gel Wrap glass plate set, Gel Wrap, and 5 white spring clamps (3 GPC-0002 and 2 GPC-0003). Glass plate dimensions are 11.3cm (w) x 10cm (h). Please specify comb and spacer cat. # from accessory lists below.
MGV-202-U	DUAL VERTICAL MINI-GEL UNIT. UNIT ONLY, CE.
MGV-202	DUAL VERTICAL MINI-GEL KIT, CE. Includes electrophoresis cell with cooling chamber, 2 combs, 2 Gel Wrap spacer sets, 2 Gel Wrap glass plate sets, Gel Wrap, and 10 white spring clamps (6 GPC-0002 and 4 GPC-0003). Glass plate dimensions are 11.3cm (w) x 10cm (h). Please specify comb and spacer cat. #'s from accessory lists below.

## ACCESSORIES, 11.3cm WIDE

Compatible Blotting Units, EBX-700 and EBU-204: See Mini-Blotting listings on page 20.

Precast Gels: Fits ClearPAGE™ Precast Gels. See listings on page 6.

### COMBS for MGV-102 and MGV-202 - FOR BOTH METHODS OF GEL CASTING (GEL WRAP OR MULTIPLE CASTING CHAMBERS)

Cat. #	Comb Dimensions
MVC-0501	0.5mm x 1 well
MVC-0503E	0.5mm x 3 equal wells
MVC-0503M	0.5mm x 2 well + middle marker
MVC-0507	0.5mm x 7 well
MVC-0510	0.5mm x 10 well
MVC-0514	0.5mm x 14 well
MVC-0518	0.5mm x 18 well
MVC-0701	0.75mm x 1 well
MVC-0703E	0.75mm x 3 equal wells
MVC-0703M	0.75mm x 2 well + middle marker
MVC-0707	0.75mm x 7 well
MVC-0710	0.75mm x 10 well
MVC-0714	0.75mm x 14 well
MVC-0718	0.75mm x 18 well
MVC-1001	1.0mm x 1 well
MVC-1003E	1.0mm x 3 equal wells
MVC-1003M	1.0mm x 2 well + middle marker
MVC-1007	1.0mm x 7 well
MVC-1010	1.0mm x 10 well
MVC-1014	1.0mm x 14 well
MVC-1018	1.0mm x 18 well
MVC-1501	1.5mm x 1 well
MVC-1503E	1.5mm x 3 equal wells
MVC-1503M	1.5mm x 2 well + middle marker
MVC-1507	1.5mm x 7 well
MVC-1510	1.5mm x 10 well
MVC-1514	1.5mm x 14 well
MVC-1518	1.5mm x 18 well
MVC-2001	2.0mm x 1 well
MVC-2003E	2.0mm x 3 equal wells
MVC-2003M	2.0mm x 2 well+ middle marker
MVC-2007	2.0mm x 7 well
MVC-2010	2.0mm x 10 well
MVC-2014	2.0mm x 14 well
MVC-2018	2.0mm x 18 well

### MULTIPLE MINI-GEL CASTING CHAMBERS FOR MGV-102 AND MGV-202

Inquire about discounts on bulk glass plate, comb and spacer orders.

Cat. #	Item
GCC-204	MULTIPLE CASTING CHAMBER ONLY, 4-place Casts up to 4 gels simultaneously. Order "Multi-Caster" glass plates and spacers from list directly below. Order MVC combs from list above.
GCC-204K	MULTIPLE CASTING CHAMBER KIT, 4-place Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 combs and 4 sets of "Multi-Caster" spacers. Specify thicknesses and # of wells for combs and spacers. For replacement or additional accessories order "Multi-Caster" glass plates and spacers from accessories listed directly below.
GCC-210	MULTIPLE CASTING CHAMBER ONLY, 10-place Casts up to 10 gels simultaneously. Order "Multi-Caster" glass plates and spacers from list directly below. Order MVC combs from list above.
GCC-210K	MULTIPLE CASTING CHAMBER KIT, 10-place Kit includes chamber with 10 sets of "Multi-Caster" Glass plates, 10 combs and 10 sets of "Multi-Caster" spacers. Specify thicknesses and # of wells for combs and spacers. For replacement or additional accessories order "Multi-Caster" glass plates and spacers from accessories listed directly below.
MGP-100	11.3 x 10cm notched "Multi-Caster" glass plate set
MGP-100-DN	11.3 x 10cm notched "Multi-Caster" glass plate set, borosilicate back plate
MVS-0510	0.50mm thick x 10cm "Multi-Caster" spacer set
MVS-0710	0.75mm thick x 10cm "Multi-Caster" spacer set
MVS-1010	1.00mm thick x 10cm "Multi-Caster" spacer set
MVS-1510	1.50mm thick x 10cm "Multi-Caster" spacer set
MVS-2010	2.00mm thick x 10cm "Multi-Caster" spacer set
GCC-AK204	Conversion blocks, converts 4-place casting chamber into 2-place

### GEL WRAP MINI-GEL CASTING FOR MGV-102 AND MGV-202

Gel Wrap Glass Plate Sets (1/8" Front and Back Plate)

Cat. #	Glass Plate Dimensions
MGP-100R	11.3 x 10cm notched with radius, 1 set
MGP-100R-DN	11.3 x 10cm notched with radius, 1 set with borosilicate back plate
MGP-200R	11.3 x 10cm notched and frosted with radius (for agarose), 1 set
MGP-200R-DN	11.3 x 10cm notched and frosted with radius (for agarose), 1 set with borosilicate back plate

### Gel Wrap Spacer Sets (2 Sides with Rounded Corners)

Cat. #	Spacer Thickness x length
MVS-0510R	0.50mm thick x 10cm
MVS-0710R	0.75mm thick x 10cm
MVS-1010R	1.00mm thick x 10cm
MVS-1510R	1.50mm thick x 10cm
MVS-2010R	2.00mm thick x 10cm

### Gel Wrap Gasket®

Cat. #	Gasket thickness
MVE-0510	0.50mm thick
MVE-0710	0.75mm thick
MVE-1010	1.00mm thick
MVE-1510	1.50mm thick
MVE-2010	2.00mm thick

### MINI I.E.F. TUBE GEL ADAPTOR AND ACCESSORIES

Cat. #	Item
MTGA-200-02K	MINI TUBE GEL ADAPTOR KIT for MGV-202 SYSTEM 6 place. Includes 6ea TGA-G3 grommets, 5ea TGA-S3 stoppers, 2 GPC-003 white clamps, 1ea TXA-100 tube gel extractor, 12 glass tubes (Specify I.D. of 0.5, 0.75, 1.0 or 1.5mm) and 1 DE-CCST tube gel capillary casting stand.

### ACCESSORIES & REPLACEMENT COMPONENTS

DE-CCST	Tube Gel Capillary Casting Stand
TXA-100	Tube Gel Extractor
GT-0507	I.E.F. Glass tube, 0.5mm I.D., pkg of 24
GT-0707	I.E.F. Glass tube, 0.75mm I.D., pkg of 24
GT-1007	I.E.F. Glass tube, 1.0mm I.D., pkg of 24
GT-1507	I.E.F. Glass tube, 1.5mm I.D., pkg of 24
TGA-G3	Tube Grommets, pkg. of 12
TGA-S3	Solid Stopper, pkg. of 12

### White Clamps

Cat. #	Item
GPC-0001-6	Large white clamp, jaws slightly open in resting position. Package of 6
GPC-0002-6	Large white clamp, jaws together in resting position. Package of 6
GPC-0003-6	Smaller white clamp. Package of 6
GPC-0004-6	Large capacity, multi-task white clamps. (Package of two)

### Silicone Cord Repair Kit

Cat. #	Item
SCK-400	Kit for Mini-Vertical units

### Bulk Gel Wrap Gasket

Cat. #	Gel Thickness
VGE-05XX	0.5mm thick - yellow
VGE-07XX	0.75mm thick - yellow
VGE-10XX	1.0mm thick - red
VGE-15XX	1.5mm thick - blue
VGE-20XX	2.0mm thick - purple
VGE-30XX	3.0mm thick - white•

### Mini-Gel Glass Plate Racks

Cat. #	Item
GR-200-12B	Mini-Gel Plate Rack. Holds 12 each 10cm(w) plates
GR-200-20B	Mini-Gel Plate Rack. Holds 20 each 10cm(w) plates

# Double-Wide Mini-Vertical Systems, 20cm(w)

## DOUBLE-WIDE MINI-VERTICAL, 20cm (w) X 10cm(h)

Cat. #	Item
MGV-102-20	SINGLE DOUBLE-WIDE MINI-VERTICAL SYSTEM, 20cm(w) x 10cm(l). Includes Electrophoresis Cell, 1 comb, 1 set Gel Wrap glass plates, 1 set Gel Wrap spacers, 1 Gel Wrap gasket, and 6 white spring clamps (2 GPC-0001 and 4 GPC-0002). Please specify comb and spacer set catalog #'s from list below.
MGV-202-20	DUAL DOUBLE-WIDE MINI-VERTICAL SYSTEM, 20cm(w) x 10cm(l). Includes Electrophoresis Cell with cooling chamber, 2 combs, 2 sets Gel Wrap glass plates, 2 sets Gel Wrap spacers, 2 Gel Wrap gaskets, and 12 white spring clamps (4 GPC-0001 and 8 GPC-0002). Please specify comb and spacer set catalog #'s from list below.

## ACCESSORIES, 20cm WIDE for 10cm(h) DOUBLE-WIDE

### DOUBLE-WIDE BLOTTING SYSTEM AND ACCESSORIES

Cat. #	Item
EBU-402	DOUBLE-WIDE MINI-BLOTTING SYSTEM- CE, 2-Place Includes electrophoresis chamber with cooling base and one 9cm x 20cm cassette, platinum electrode panels, safety cover and interlocking power leads.
EBC-402	Additional Gel Cassette for EBU-402
EBS-402	Double-Wide Mini-Sponge Pads, package of 2 for EBU-402

### DOUBLE-WIDE MULTIPLE MINI-GEL CASTING CHAMBERS & ACCESSORIES

Cat. #	Item
GCC-204-20	MULTIPLE MINI VERTICAL GEL CASTING CHAMBER, CHAMBER ONLY. Casts up to 4 gels simultaneously. Order "Multi-Caster" glass plates and spacers listed directly below. Order MVC20 combs.
GCC-204-20K	MULTIPLE MINI VERTICAL GEL CASTING CHAMBER KIT, Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 combs and 4 sets of "Multi-Caster" spacers. Specify thicknesses and # of wells for combs and spacers. For replacement or additional accessories order "Multi-Caster" glass plates and spacers from accessories listed directly below.
MGP20-100	Multi-Caster Glass plate set, 20cm(w) x 10cm(l)
MGP20-100-DN	Multi-Caster Glass plate set, 20cm(w) x 10cm(l) with borosilicate back plate
MVS-0510	Multi-Caster Spacer set 0.5mm x 10cm length
MVS-0710	Multi-Caster Spacer set 0.75mm x 10cm length
MVS-1010	Multi-Caster Spacer set 1.0mm x 10cm length
MVS-1510	Multi-Caster Spacer set 1.5mm x 10cm length

### GEL WRAP SPACER SETS (2 SIDES WITH ROUNDED CORNERS)

Cat. #	Item
MVS-0510R	Gel Wrap Spacer set 0.5mm x 10cm length
MVS-0710R	Gel Wrap Spacer set 0.75mm x 10cm length
MVS-1010R	Gel Wrap Spacer set 1.0mm x 10cm length
MVS-1510R	Gel Wrap Spacer set 1.5mm x 10cm length

### GEL WRAP GASKET™

Cat. #	Item
MVE20-0510	Gel Wrap Gasket for Double Wide. 0.5mm thickness
MVE20-0710	Gel Wrap Gasket for Double Wide. 0.75mm thickness
MVE20-1010	Gel Wrap Gasket for Double Wide. 1.0mm thickness
MVE20-1510	Gel Wrap Gasket for Double Wide. 1.5mm thickness

### GLASS PLATE SET (FOR USE WITH GEL WRAP GASKET)

Cat. #	Item
MGP20-100R	Glass plate set, 20cm(w) x 10cm(l),
MGP20-100R-DN	Multi-Caster Glass plate set, 20cm(w) x 10cm(l) with borosilicate back plate

## ACCESSORIES, 20cm WIDE for both 10cm(h) & 16cm(h)

### COMBS FOR ALL DOUBLE WIDE MINI VERTICAL SYSTEMS (\*Designed for multi-channel pipetting.)

Cat. #	Item
MVC20-0512	0.5mm x 12 wells comb for MGV-202-20
MVC20-0514	0.5mm x 14 wells comb for MGV-202-20
MVC20-0516	0.5mm x 16 wells comb for MGV-202-20
MVC20-0517*	0.5mm x 17 wells comb for MGV-202-20
MVC20-0520	0.5mm x 20 wells comb for MGV-202-20
MVC20-0528	0.5mm x 28 wells comb for MGV-202-20
MVC20-0532	0.5mm x 32 wells comb for MGV-202-20
MVC20-0535*	0.5mm x 35 wells comb for MGV-202-20
MVC20-0712	0.75mm x 12 wells comb for MGV-202-20
MVC20-0714	0.75mm x 14 wells comb for MGV-202-20
MVC20-0716	0.75mm x 16 wells comb for MGV-202-20
MVC20-0717*	0.75mm x 17 wells comb for MGV-202-20
MVC20-0720	0.75mm x 20 wells comb for MGV-202-20
MVC20-0728	0.75mm x 28 wells comb for MGV-202-20
MVC20-0732	0.75mm x 32 wells comb for MGV-202-20
MVC20-0735*	0.75mm x 35 wells comb for MGV-202-20

### COMBS FOR ALL DOUBLE WIDE MINI VERTICAL SYSTEMS, CONT.

MVC20-0752-TT*	0.5mm x 52well comb for MGV-202-20 with tapered tooth
MVC20-1012	1.0mm x 12 wells comb for MGV-202-20
MVC20-1014	1.0mm x 14 wells comb for MGV-202-20
MVC20-1016	1.0mm x 16 wells comb for MGV-202-20
MVC20-1017*	1.0mm x 17 wells comb for MGV-202-20
MVC20-1020	1.0mm x 20 wells comb for MGV-202-20
MVC20-1028	1.0mm x 28 wells comb for MGV-202-20
MVC20-1032	1.0mm x 32 wells comb for MGV-202-20
MVC20-1035*	1.0mm x 35 wells comb for MGV-202-20
MVC20-1052-TT*	0.5mm x 52well comb for MGV-202-20 with tapered tooth
MVC20-1512	1.5mm x 12 wells comb for MGV-202-20
MVC20-1514	1.5mm x 14 wells comb for MGV-202-20
MVC20-1516	1.5mm x 16 wells comb for MGV-202-20
MVC20-1517*	1.5mm x 17 wells comb for MGV-202-20
MVC20-1520	1.5mm x 20 wells comb for MGV-202-20
MVC20-1528	1.5mm x 28 wells comb for MGV-202-20
MVC20-1532	1.5mm x 32 wells comb for MGV-202-20
MVC20-1535*	1.5mm x 35 wells comb for MGV-202-20
MVC20-1552-TT*	1.5mm x 52well comb for MGV-202-20 with tapered tooth

## DOUBLE-WIDE MINI-VERTICAL, 20cm WIDE X 16cm(h)

Cat. #	Item
MGV-116-20	SINGLE DOUBLE-WIDE MINI-VERTICAL SYSTEM, 20cm(w) x 16cm(l). Includes Electrophoresis Cell, 1 comb, 1 set Gel Wrap glass plates, 1 set Gel Wrap spacers, 1 Gel Wrap gasket, and 6 white spring clamps (2 GPC-0001 and 4 GPC-0002). Please specify comb and spacer set catalog #'s from list below.
MGV-216-20	DUAL DOUBLE-WIDE MINI-VERTICAL SYSTEM, 20cm(w) x 16cm(l). Includes Electrophoresis Cell with cooling chamber, 2 combs, 2 sets Gel Wrap glass plates, 2 sets Gel Wrap spacers, 2 Gel Wrap gaskets, and 12 white spring clamps (4 GPC-0001 and 8 GPC-0002). Please specify comb and spacer set catalog #'s from list below.

## ACCESSORIES, 20cm WIDE for 16cm(h) DOUBLE-WIDE

### DOUBLE-WIDE BLOTTING SYSTEM AND ACCESSORIES

Cat. #	Item
EBU-102	ELECTROPHORETIC BLOTTING SYSTEM- CE, 3-Place. Includes Chamber with internal cooling base, 2 platinum electrode panels, one blotting cassette 21.5cm(h) x 16cm(w), 2 sponge pads, power leads, safety cover.
EBE-102	Replacement Electrode Panel for EBU-102
EBC-102	Additional Gel Cassette for EBU-102
EBS-102	Sponge Pads, package of 2 for EBU-102

### DOUBLE-WIDE MULTIPLE MINI-GEL CASTING CHAMBERS & ACCESSORIES

Cat. #	Item
GCC-204-2016	MULTIPLE MINI VERTICAL GEL CASTING CHAMBER, CHAMBER ONLY. Casts up to 4 gels simultaneously. Order "Multi-Caster" glass plates and spacers listed directly below. Order MVC20 combs.
GCC-204-2016K	MULTIPLE MINI VERTICAL GEL CASTING CHAMBER KIT, Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 combs and 4 sets of "Multi-Caster" spacers. Specify thicknesses and # of wells for combs and spacers. For replacement or additional accessories order "Multi-Caster" glass plates and spacers from accessories listed directly below.
MGP20-160	Multi-Caster Glass plate set, 20cm(w) x 16cm(l)
MGP20-160-DN	Multi-Caster Glass plate set, 20cm(w) x 16cm(l) with borosilicate back plate
MVS-0516	Multi-Caster Spacer set 0.5mm x 16cm length
MVS-0716	Multi-Caster Spacer set 0.75mm x 16cm length
MVS-1016	Multi-Caster Spacer set 1.0mm x 16cm length
MVS-1516	Multi-Caster Spacer set 1.5mm x 16cm length

### GEL WRAP SPACER SETS (2 SIDES WITH ROUNDED CORNERS)

Cat. #	Item
MVS-0516R	Gel Wrap Spacer set 0.5mm x 16cm length
MVS-0716R	Gel Wrap Spacer set 0.75mm x 16cm length
MVS-1016R	Gel Wrap Spacer set 1.0mm x 16cm length
MVS-1516R	Gel Wrap Spacer set 1.5mm x 16cm length

### GEL WRAP GASKET™

Cat. #	Item
MVE20-0516	Gel Wrap Gasket for Double Wide. 0.5mm thickness
MVE20-0716	Gel Wrap Gasket for Double Wide. 0.75mm thickness
MVE20-1016	Gel Wrap Gasket for Double Wide. 1.0mm thickness
MVE20-1516	Gel Wrap Gasket for Double Wide. 1.5mm thickness

### GLASS PLATE SET (FOR USE WITH GEL WRAP GASKET)

Cat. #	Item
MGP20-116R	Glass plate set, 20cm(w) x 16cm(l),
MGP20-116R-DN	Multi-Caster Glass plate set, 20cm(w) x 16cm(l) with borosilicate back plate

# Triple-Wide Mini-Vertical Systems, 33cm(w)

## TRIPLE-WIDE MINI-VERTICAL, 33cm (w) x 10cm(h)

Cat. #	Item
MGV-102-33	SINGLE TRIPLE-WIDE MINI-VERTICAL KIT, CE. 33cm(w) x 10cm(h). Includes unit with 1 comb, 1 set Gel Wrap glass plates, 1 set Gel Wrap spacers, 1 Gel Wrap gasket, and 7 white spring clamps (2 GPC-0001 and 5 GPC-0002). Please specify comb and spacer catalog #'s from list below.
MGV-202-33	DUAL TRIPLE-WIDE MINI-VERTICAL KIT, CE. 33cm(w) x 10cm(h). Includes electrophoresis cell with cooling chamber, 2 combs, 2 sets Gel Wrap glass plates, 2 sets Gel Wrap spacers, 2 Gel Wrap gaskets, and 12 white spring clamps (4 GPC-0001 and 8 GPC-0002). Please specify comb and spacer catalog #'s from list below.

### 10cm(h) TRIPLE-WIDE BLOTTING SYSTEM AND ACCESSORIES

Cat. #	Item
EBU-302	TRIPLE-WIDE MINI-BLOTTING SYSTEM- CE, 2-Place. Includes electrophoresis chamber with cooling base and one 9cm x 32.8cm cassette. Removable platinum electrode panels, safety cover and interlocking power leads.
EBC-302	Additional Gel Cassette for EBU-302
EBS-302	Triple-Wide Mini-Sponge Pads, package of 2 for EBU-302

### TRIPLE-WIDE MULTIPLE MINI-GEL CASTING CHAMBERS

Cat. #	Item
GCC-204-33	MULTIPLE MINI VERTICAL GEL CASTING CHAMBER, CHAMBER ONLY. Casts up to 4 gels simultaneously. Order "Multi-Caster" glass plates and spacers listed directly below. Order MG33 combs.
GCC-204-33K	MULTIPLE MINI VERTICAL GEL CASTING CHAMBER KIT, Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 combs and 4 sets of "Multi-Caster" spacers. Specify thicknesses and # of wells of MG33 combs and thickness of spacers. For replacement or additional accessories order "Multi-Caster" glass plates and spacers from accessories listed directly below. For additional combs order MG33 combs listed above.
MGP33-100	Multi-Caster Glass plate set, 33cm(w) x 10cm(l)
MGP33-100-DN	Multi-Caster Glass plate set, 33cm(w) x 10cm(l) with borosilicate back plate
MVS-0710	Multi-Caster Spacer set 0.75mm x 10cm length
MVS-1010	Multi-Caster Spacer set 1.0mm x 10cm length
MVS-1510	Multi-Caster Spacer set 1.5mm x 10cm length

### GEL WRAP MINI-GEL CASTING FOR MGV-102-33 & MGV-202-33

#### Gel Wrap Glass plates, spacers, and Gel Wrap Gasket

Cat. #	Item
MGP33-100R	Gel Wrap Glass Plate Set, 33cm (w) x 10cm (h)
MGP33-100R-DN	Gel Wrap Glass Plate Set, 33cm (w) x 10cm (h), with borosilicate back plate
MVS-0710R	Gel Wrap Spacer Set, 0.75mm x 10cm
MVS-1010R	Gel Wrap Spacer Set, 1.0mm x 10cm
MVS-1510R	Gel Wrap Spacer Set, 1.5mm x 10cm
MGE33-0710	Gel Wrap Gasket for 0.75mm x 100mm plate
MGE33-1010	Gel Wrap Gasket for 1.0mm x 100mm plate
MGE33-1510	Gel Wrap Gasket for 1.5mm x 100mm plate

## ACCESSORIES, 33cm WIDE for both 10cm(h) & 16cm(h)

COMBS FOR MGV-102-33, MGV-202-33, MGV-216-33, MGV-116-33 (Rectangular Well)

*\*Designed for multi-channel pipettor loading.*

Cat. #	Item
MG33-0731*	0.75mm x 31 well
MG33-0734	0.75mm x 34 well
MG33-0742	0.75mm x 42 well
MG33-0750	0.75mm x 50 well
MG33-0760	0.75mm x 60 well
MG33-0763*	0.75mm x 63 well
MG33-07102-TT*	0.75mm x 102 well with tapered teeth
MG33-1031*	1.0mm x 31 well
MG33-1034	1.0mm x 34 well
MG33-1042	1.0mm x 42 well
MG33-1050	1.0mm x 50 well
MG33-1060	1.0mm x 60 well
MG33-1063*	1.0mm x 63 well
MG33-10102-TT*	1.0mm x 102 well with tapered teeth
MG33-1531*	1.5mm x 31 well
MG33-1534	1.5mm x 34 well
MG33-1542	1.5mm x 42 well
MG33-1550	1.5mm x 50 well
MG33-1560	1.5mm x 60 well
MG33-1563*	1.5mm x 63 well
MG33-15102-TT*	1.5mm x 102 well with tapered teeth

## TALL TRIPLE-WIDE MINI-VERTICAL, 33cm (w) x 16cm(h)

Cat. #	Item
MGV-116-33	SINGLE TRIPLE-WIDE MINI-VERTICAL SYSTEM, 33cm(w) x 16cm(l). Includes unit with two sets glass plates, two sets spacers with Gel Wrap®, two combs, 16 clamps (4 GPC-001 and 12 GPC-002), safety cover and power leads. Please specify comb and spacer catalog #'s from list below.
MGV-216-33	DUAL TRIPLE-WIDE MINI-VERTICAL SYSTEM, 33cm(w) x 16cm(l). Includes electrophoresis cell with cooling chamber, unit with two sets glass plates, two sets spacers with Gel Wrap®, two combs, 16 clamps (4 GPC-001 and 12 GPC-002), safety cover and power leads. Please specify comb and spacer catalog #'s from list below.

### 16cm(h) TRIPLE-WIDE BLOTTING SYSTEM AND ACCESSORIES

Cat. #	Item
EBU-362	TRIPLE-WIDE MINI-BLOTTING SYSTEM- CE, 2-Place. 33cm(w) x 16cm(l). Includes electrophoresis chamber with cooling base and one cassette. Removable platinum electrode panels, safety cover and interlocking power leads.
EBC-362	Additional Gel Cassette for EBU-362
EBS-362	Triple-Wide Mini-Sponge Pads, package of 2 for EBU-362

### 16cm(h) TRIPLE-WIDE MULTIPLE MINI-GEL CASTING CHAMBERS

Cat. #	Item
GCC-264-33	MULTIPLE MINI VERTICAL GEL CASTING CHAMBER, CHAMBER ONLY. 33cm(w) x 16cm(l). Casts up to 4 gels simultaneously. Order "Multi-Caster" glass plates and spacers listed directly below. Order MG33 combs.
GCC-264-33K	MULTIPLE MINI VERTICAL GEL CASTING CHAMBER KIT, 33cm(w) x 16cm(l). Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 combs and 4 sets of "Multi-Caster" spacers. Specify thicknesses and # of wells of MG33 combs and thickness of spacers. For replacement or additional accessories order "Multi-Caster" glass plates and spacers from accessories listed directly below. For additional combs order MG33 combs listed above.
MGP33-100	Multi-Caster Glass plate set, 33cm(w) x 10cm(l)
MGP33-100-DN	Multi-Caster Glass plate set, 33cm(w) x 10cm(l) with borosilicate back plate
MVS-0710	Multi-Caster Spacer set 0.75mm x 10cm length
MVS-1010	Multi-Caster Spacer set 1.0mm x 10cm length
MVS-1510	Multi-Caster Spacer set 1.5mm x 10cm length

### GEL WRAP MINI-GEL CASTING FOR MGV-216-33 & MGV-116-33

#### Glass plates, spacers, and Gel Wrap Gasket

Cat. #	Item
MGP33-160R	Gel Wrap Glass Plate Set, 33cm(w) x 16cm(h)
MGP33-160R-DN	Gel Wrap Glass Plate Set, 33cm(w) x 16cm(h) with borosilicate back plate
MVS-0716R	Gel Wrap Spacer Set, 0.75mm x 16cm rounded corners
MVS-1016R	Gel Wrap Spacer Set, 1.0mm x 16cm rounded corner
MVS-1516R	Gel Wrap Spacer Set, 1.5mm x 16cm rounded corner
MGE33-0716	Gel Wrap Gasket for 0.75mm x 160mm plate
MGE33-1016	Gel Wrap Gasket for 1.0mm x 160mm plate
MGE33-1516	Gel Wrap Gasket for 1.5mm x 160mm plate

# Vertical Slab-Gel Electrophoresis Systems, 16.5cm(w)

## ADJUSTABLE SLAB GEL KITS, 16.5cm wide with Gel Wrap Gasket

Bar clamps available as an accessory. Please inquire.

Cat. #	Item
ASU-250	ADJUSTABLE SLAB GEL UNIT, 145mm-280mm.UNIT ONLY.
ASG-250	ADJUSTABLE SLAB GEL KIT, 145mm-280mm. Includes 1 comb, 1 set of spacers with Gel Wrap, 1 set glass plates, 8 white spring clamps (2 GPC-0001 and 6 GPC-0002). Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
ASU-250-02	ADJUSTABLE SLAB GEL UNIT, 160mm-280mm. UNIT ONLY, CE.
ASG-250-02	ADJUSTABLE SLAB GEL KIT, 160mm-280mm, CE. Includes 1 comb, 1 set of spacers with Gel Wrap, 1 set glass plates, 8 white spring clamps (2 GPC-0001 and 6 GPC-0002). Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
ASU-400	ADJUSTABLE SLAB GEL UNIT, 145mm-400mm.UNIT ONLY.
ASG-400	ADJUSTABLE SLAB GEL KIT, 145mm-400mm. Includes 1 comb, 1 set of spacers with Gel Wrap, 1 set glass plates, 8 white spring clamps (2 GPC-0001 and 6 GPC-0002). Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
DASU-250	DUAL ADJUSTABLE SLAB GEL UNIT, 145mm-280mm. UNIT ONLY.
DASG-250	DUAL ADJUSTABLE SLAB GEL KIT, 145mm-280mm. Includes 2 combs, 2 sets of spacers with Gel Wrap, 2 sets glass plates, 16 white spring clamps (4 GPC-0001 and 12 GPC-0002). Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
DASU-250-02	DUAL ADJUSTABLE SLAB GEL UNIT, 160mm-280mm. UNIT ONLY, CE.
DASG-250-02	DUAL ADJUSTABLE SLAB GEL KIT, 160mm-280mm, CE. Includes 2 combs, 2 sets of spacers with Gel Wrap, 2 sets glass plates, 16 white spring clamps (4 GPC-0001 and 12 GPC-0002). Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
DASU-400	DUAL ADJUSTABLE SLAB GEL UNIT, 145mm-400mm. UNIT ONLY
DASG-400	DUAL ADJUSTABLE SLAB GEL KIT, 145mm-400mm. Includes 2 combs, 2 sets of spacers with Gel Wrap, 2 sets glass plates, 16 white spring clamps (4 GPC-0001 and 12 GPC-0002). Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
DASG-400-02	DUAL ADJUSTABLE SLAB GEL KIT, 145mm-400mm, CE. Includes 2 combs, 2 sets of spacers with Gel Wrap, 2 sets glass plates, 16 white spring clamps (4 GPC-0001 and 12 GPC-0002). Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
DSG-125-02	DUAL SLAB GEL KIT, 145mm height, CE. Includes 2 combs, 2 sets of spacers with Gel Wrap, 2 sets glass plates, 16 white spring clamps (4 GPC-0001 and 12 GPC-0002). Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
DSG-160-02	DUAL SLAB GEL KIT, 160mm height, CE. Includes 2 combs, 2 sets of spacers with Gel Wrap, 2 sets glass plates, 20 white spring clamps (8 GPC-0001 and 12 GPC-0002). Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
DSG-170-02	DUAL SLAB GEL KIT, 170mm height, CE. Includes 2 combs, 2 sets of spacers with Gel Wrap, 2 sets glass plates, 20 white spring clamps (8 GPC-0001 and 12 GPC-0002). Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
DSG-190-02	DUAL SLAB GEL KIT, 190mm height, CE. Includes 2 combs, 2 sets of spacers with Gel Wrap, 2 sets glass plates, 20 white spring clamps (8 GPC-0001 and 12 GPC-0002). Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
DSG-200-02	DUAL SLAB GEL KIT, 220mm height, CE. Includes 2 combs, 2 sets of spacers with Gel Wrap, 2 sets glass plates, 20 white spring clamps (8 GPC-0001 and 12 GPC-0002). Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
DSG-250-02	DUAL SLAB GEL KIT, 280mm height, CE. Includes 2 combs, 2 sets of spacers with Gel Wrap, 2 sets glass plates, 20 white spring clamps (8 GPC-0001 and 12 GPC-0002). Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
DSG-400	DUAL SLAB GEL KIT, 400mm height. Includes 2 combs, 2 sets of spacers with Gel Wrap, 2 sets glass plates, 20 white spring clamps (8 GPC-0001 and 12 GPC-0002). Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.

## CBS ☆ LITE SLAB GEL KITS, 16.5cm wide with Gel Wrap Gasket

Bar clamps available as an accessory. Please inquire.

Cat. #	Item
SG-125-02	C.B.S. ☆ LITE SLAB GEL KIT, 145mm, CE. Glass plate size 16.5cm (w) x 14.5cm (h). Includes 1 comb, 1 set spacers with Gel Wrap, 1 set glass plates, 8 white spring clamps (2 GPC-0001 and 6 GPC-0002) Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
SG-125	C.B.S. ☆ LITE SLAB GEL KIT, 145mm. Glass plate size 16.5cm (w) x 14.5cm (h). Includes 1 comb, 1 set spacers with Gel Wrap, 1 set glass plates, 8 white spring clamps (2 GPC-0001 and 6 GPC-0002) Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
SG-160	C.B.S. ☆ LITE SLAB GEL KIT, 160mm. Glass plate size 16.5cm (w) x 16cm (h). Includes 1 comb, 1 set spacers with Gel Wrap, 1 set glass plates, 8 white spring clamps (2 GPC-0001 and 6 GPC-0002) Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
SG-160-02	C.B.S. ☆ LITE SLAB GEL KIT, 160mm, CE. Glass plate size 16.5cm (w) x 16cm (h). Includes 1 comb, 1 set spacers with Gel Wrap, 1 set glass plates, 8 white spring clamps (2 GPC-0001 and 6 GPC-0002) Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
SG-170	C.B.S. ☆ LITE SLAB GEL KIT, 170mm. Glass plate size 16.5cm (w) x 17cm (h). Includes 1 comb, 1 set spacers with Gel Wrap, 1 set glass plates, 8 white spring clamps (2 GPC-0001 and 6 GPC-0002) Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
SG-170-02	C.B.S. ☆ LITE SLAB GEL KIT, 170mm, CE. Glass plate size 16.5cm (w) x 17cm (h), CE. Includes 1 comb, 1 set spacers with Gel Wrap, 1 set glass plates, 8 white spring clamps (2 GPC-0001 and 6 GPC-0002) Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
SG-190	C.B.S. ☆ LITE SLAB GEL KIT, 190mm. Glass plate size 16.5cm (w) x 19cm (h). Includes 1 comb, 1 set spacers with Gel Wrap, 1 set glass plates, 8 white spring clamps (2 GPC-0001 and 6 GPC-0002) Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
SG-190-02	C.B.S. ☆ LITE SLAB GEL KIT, 190mm, CE. Glass plate size 16.5cm (w) x 19cm (h), CE. Includes 1 comb, 1 set spacers with Gel Wrap, 1 set glass plates, 8 white spring clamps (2 GPC-0001 and 6 GPC-0002) Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
SG-200	C.B.S. ☆ LITE SLAB GEL KIT, 220mm. Glass plate size 16.5cm (w) x 22cm (h). Includes comb, 1 set spacers with Gel Wrap, 1 set glass plates, 8 white spring clamps (2 GPC-0001 and 6 GPC-0002) Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
SG-200-02	C.B.S. ☆ LITE SLAB GEL KIT, 220mm, CE. Glass plate size 16.5cm (w) x 22cm (h), CE. Includes 1 comb, 1 set spacers with Gel Wrap, 1 set glass plates, 8 white spring clamps (2 GPC-0001 and 6 GPC-0002) Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
SG-250	C.B.S. ☆ LITE SLAB GEL KIT, 280mm. Glass plate size 16.5cm (w) x 28cm (h). Includes 1 comb, 1 set spacers with Gel Wrap, 1 set glass plates, 8 white spring clamps (2 GPC-0001 and 6 GPC-0002) Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.
SG-250-02	C.B.S. ☆ LITE SLAB GEL KIT, 280mm, CE. Glass plate size 16.5cm (w) x 28cm (h), CE. Includes 1 comb, 1 set spacers with Gel Wrap, 1 set glass plates, 8 white spring clamps (2 GPC-0001 and 6 GPC-0002) Please specify comb, spacer and glass plate cat. #'s from lists on pages 11-12.

## ACCESSORIES, 16.5cm WIDE

Multiple Gel Casting Chambers, Electrophoretic Blotting Systems & Accessories: See listings on pages 12-13.

Combs\*\* (Teflon) for 16.5cm wide units \*Designed for multi-channel pipettor loading. \*\*NOTE: combs listed below can also be ordered for DGGE Systems. To specify add "-177" to the end of the catalog#.

Cat. #	Comb Dimensions
VGC-0701	0.75mm x 1 well
VGC-0702	0.75mm x 2 well
VGC-0703E	0.75mm x 3 equal wells
VGC-0703M	0.75mm x 2 well + middle marker
VGC-0704	0.75mm x 4 well
VGC-0705	0.75mm x 5 well
VGC-0706	0.75mm x 6 well
VGC-0708	0.75mm x 8 well
VGC-0710	0.75mm x 10 well
VGC-0712	0.75mm x 12 well
VGC-0714	0.75mm x 14 well

# Vertical Slab-Gels & Accessories - 16.5cm wide, con't

## Combs\*\* (Teflon) for 16.5cm wide units, con't.

Cat. #	Comb Dimensions
VGC-0715*	0.75mm x 15 well
VGC-0716	0.75mm x 16 well
VGC-0720	0.75mm x 20 well
VGC-0729*	0.75mm x 29 well
VGC-0730	0.75mm x 30 well
VGC-1001	1.0mm x 1 well
VGC-1002	1.0mm x 2 well
VGC-1003E	1.0mm x 3 equal wells
VGC-1003M	1.0mm x 2 well + middle marker
VGC-1004	1.0mm x 4 well
VGC-1005	1.0mm x 5 well
VGC-1006	1.0mm x 6 well
VGC-1008	1.0mm x 8 well
VGC-1010	1.0mm x 10 well
VGC-1012	1.0mm x 12 well
VGC-1014	1.0mm x 14 well
VGC-1015*	1.0mm x 15 well
VGC-1016	1.0mm x 16 well
VGC-1020	1.0mm x 20 well
VGC-1029*	1.0mm x 29 well
VGC-1030	1.0mm x 30 well
VGC-1501	1.5mm x 1 well
VGC-1502	1.5mm x 2 well
VGC-1503E	1.5mm x 3 equal wells
VGC-1503M	1.5mm x 2 well +middle marker
VGC-1504	1.5mm x 4 well
VGC-1505	1.5mm x 5 well
VGC-1506	1.5mm x 6 well
VGC-1508	1.5mm x 8 well
VGC-1510	1.5mm x 10 well
VGC-1512	1.5mm x 12 well
VGC-1514	1.5mm x 14 well
VGC-1515*	1.5mm x 15 well
VGC-1516	1.5mm x 16 well
VGC-1520	1.5mm x 20 well
VGC-1529*	1.5mm x 29 well
VGC-1530	1.5mm x 30 well
VGC-2001	2.0mm x 1 well
VGC-2002	2.0mm x 2 well
VGC-2003E	2.0mm x 3 equal wells
VGC-2003M	2.0mm x 2 well + middle marker
VGC-2004	2.0mm x 4 well
VGC-2005	2.0mm x 5 well
VGC-2006	2.0mm x 6 well
VGC-2008	2.0mm x 8 well
VGC-2010	2.0mm x 10 well
VGC-2012	2.0mm x 12 well
VGC-2014	2.0mm x 14 well
VGC-2015*	2.0mm x 15 well
VGC-2016	2.0mm x 16 well
VGC-2020	2.0mm x 20 well
VGC-2029*	2.0mm x 29 well
VGC-2030	2.0mm x 30 well

## Gel Wrap Spacer Sets (2 Sides With Rounded Corners, No Bottom Spacer)

Cat. #	Spacer Dimensions
VGS-0712R	0.75mm x 145mm
VGS-0716R	0.75mm x 160mm
VGS-0717R	0.75mm x 170mm
VGS-0719R	0.75mm x 190mm
VGS-0720R	0.75mm x 220mm
VGS-0725R	0.75mm x 280mm
VGS-0740R	0.75mm x 387mm
VGS-1012R	1.00mm x 145mm
VGS-1016R	1.00mm x 160mm
VGS-1017R	1.00mm x 170mm
VGS-1019R	1.00mm x 190mm
VGS-1020R	1.00mm x 220mm
VGS-1025R	1.00mm x 280mm
VGS-1040R	1.00mm x 387mm
VGS-1512R	1.50mm x 145mm
VGS-1516R	1.50mm x 160mm
VGS-1517R	1.50mm x 170mm
VGS-1519R	1.50mm x 190mm
VGS-1520R	1.50mm x 220mm
VGS-1525R	1.50mm x 280mm
VGS-1540R	1.50mm x 387mm
VGS-2012R	2.00mm x 145mm
VGS-2016R	2.00mm x 160mm
VGS-2017R	2.00mm x 170mm
VGS-2019R	2.00mm x 190mm
VGS-2020R	2.00mm x 220mm
VGS-2025R	2.00mm x 280mm
VGS-2040R	2.00mm x 387mm

## Gel Wrap Gasket®

Cat. #	Spacer Thickness x Plate Size
VGE-0712	0.75mm x 145mm plate
VGE-0716	0.75mm x 160mm plate
VGE-0717	0.75mm x 170mm plate
VGE-0719	0.75mm x 190mm plate
VGE-0720	0.75mm x 220mm plate
VGE-0725	0.75mm x 280mm plate
VGE-0740	0.75mm x 387mm plate
VGE-1012	1.00mm x 145mm plate
VGE-1016	1.00mm x 160mm plate
VGE-1017	1.00mm x 170mm plate
VGE-1019	1.00mm x 190mm plate
VGE-1020	1.00mm x 220mm plate
VGE-1025	1.00mm x 280mm plate
VGE-1040	1.00mm x 387mm plate
VGE-1512	1.50mm x 145mm plate
VGE-1516	1.50mm x 160mm plate
VGE-1517	1.50mm x 170mm plate
VGE-1519	1.50mm x 190mm plate
VGE-1520	1.50mm x 220mm plate
VGE-1525	1.50mm x 280mm plate
VGE-1540	1.50mm x 387mm plate
VGE-2012	2.00mm x 145mm plate
VGE-2016	2.00mm x 160mm plate
VGE-2017	2.00mm x 170mm plate
VGE-2019	2.00mm x 190mm plate
VGE-2020	2.00mm x 220mm plate
VGE-2025	2.00mm x 280mm plate
VGE-2040	2.00mm x 387mm plate

## Gel Wrap Glass Plate Set, notched

1/8" back plate with rounded corners for Gel Wrap.

Cat. #	Glass Plate Dimensions
NGP-125NR	16.5cm (w) x 145mm (h), 1 set
NGP-160NR	16.5cm (w) x 160mm (h), 1 set
NGP-170NR	16.5cm (w) x 170mm (h), 1 set
NGP-190NR	16.5cm (w) x 190mm (h), 1 set
NGP-200NR	16.5cm (w) x 220mm (h), 1 set
NGP-250NR	16.5cm (w) x 280mm (h), 1 set
NGP-400NR	16.5cm (w) x 387mm (h), 1 set

## Gel Wrap Glass Plate Sets, notched and beveled

For 2-dimensional gels. 1/8" back plate with rounded corners for Gel Wrap.

Cat. #	Glass Plate Dimensions
NGP-125BR	16.5cm (w) x 145mm (h), 1 set
NGP-160BR	16.5cm (w) x 160mm (h), 1 set
NGP-170BR	16.5cm (w) x 170mm (h), 1 set
NGP-190BR	16.5cm (w) x 190mm (h), 1 set
NGP-200BR	16.5cm (w) x 220mm (h), 1 set
NGP-250BR	16.5cm (w) x 280mm (h), 1 set
NGP-400BR	16.5cm (w) x 387mm (h), 1 set

## Glass Plate Ordering Options:

Low Fluorescence plate sets: To order low fluorescence borosilicate back plate add "-DN" to end of cat. #.

## ELECTROPHORETIC BLOTTING SYSTEMS, fits ASG, DASG, DSG

### Systems up to 220mm gel height

Cat. #	Item
EBU-102	ELECTROPHORETIC BLOTTING SYSTEM- CE Includes 2 electrode panels, cooling chamber in base, one gel cassette, power leads, safety cover.
EBE-102	Replacement Electrode Panel for EBU-102
EBC-102	Additional Gel Cassette for EBU-102
EBS-102	Scotch Brite® Pads, package of 2 for EBU-102
EBU-102P	ELECTROPHORETIC BLOTTING SYSTEM- CE <b>Pricing available upon request</b> Planar electrodes. Includes one gel cassette and chamber with 2 electrode panels, cooling base, safety cover, power leads.
EBE-102P	Replacement Electrode Panel, Planar (Platinum-Titanium Panel) for EBU-102P
EBE-102P-C	Replacement Cathode for EBE-102P (Stainless Steel Panel)
EBC-102	Additional Gel Cassette for EBU-102P
MGV-202-33	Scotch Brite® Pads, package of 2 for EBU-102P

## Accessories - 16.5cm wide, con't

### MULTIPLE GEL CASTING CHAMBERS & ACCESSORIES:

Casting Chambers must be ordered with glass plate sets and spacers listed directly below. Inquire about discounts on bulk glass plate, comb and spacer orders.

Cat. #	Item
GCC-404	MULTIPLE VERTICAL GEL CASTING CHAMBER Casts up to 4 gels simultaneously. Order "Multi-Caster" glass plates and spacers listed directly below.
GCC-404K	MULTIPLE VERTICAL GEL CASTING CHAMBER KIT Casts up to 4 gels simultaneously. Kit includes chamber with 4 sets of "Multi-Caster" Glass plates, 4 combs and 4 sets of "Multi-Caster" spacers. Specify thicknesses and # of wells for combs and spacers. For replacement or additional accessories order "Multi-Caster" glass plates and spacers from accessories listed directly below.
GCC-410	MULTIPLE VERTICAL GEL CASTING CHAMBER Casts up to 10 gels simultaneously. Order "Multi-Caster" glass plates and spacers listed directly below.
GCC-410K	MULTIPLE VERTICAL GEL CASTING CHAMBER KIT Casts up to 10 gels simultaneously. Kit includes chamber with 10 sets of "Multi-Caster" Glass plates, 10 combs and 10 sets of "Multi-Caster" spacers. Specify thicknesses and # of wells for combs and spacers. For replacement or additional accessories order "Multi-Caster" glass plates and spacers from accessories listed directly below.

### Multiple Gel Casting Chamber Glass Plate Sets, notched

1/8" back plate with square corners

Cat. #	Glass Plate Dimensions
NGP-125N	Notched Glass plate 16.5cm (w) x 145mm (h), 1 set
NGP-160N	16.5cm (w) x 160mm (h), 1 set
NGP-170N	16.5cm (w) x 170mm (h), 1 set
NGP-190N	16.5cm (w) x 190mm (h), 1 set
NGP-200N	16.5cm (w) x 220mm (h), 1 set
NGP-250N	16.5cm(w) x 280mm(h), 1 set

#### Glass Plate Ordering Options:

Low Fluorescence plate sets: To order low fluorescence borosilicate plate sets add "-LFP" to end of cat. #. To order low fluorescence borosilicate BACK plate only add "-DN" to the end of cat. #.

### Multiple Gel Casting Chamber Spacer Sets (2 Sides With Square Corners, No Bottom Spacer)

Cat. #	Spacer Dimensions
VGS-0712	0.75mm x 145mm
VGS-0716	0.75mm x 160mm
VGS-0717	0.75mm x 170mm
VGS-0719	0.75mm x 190mm
VGS-0720	0.75mm x 220mm
VGS-0725	0.75mm x 280mm
VGS-1012	1.00mm x 145mm
VGS-1016	1.00mm x 160mm
VGS-1017	1.00mm x 170mm
VGS-1019	1.00mm x 190mm
VGS-1020	1.00mm x 220mm
VGS-1025	1.00mm x 280mm
VGS-1512	1.50mm x 145mm
VGS-1516	1.50mm x 160mm
VGS-1517	1.50mm x 170mm
VGS-1519	1.50mm x 190mm
VGS-1520	1.50mm x 220mm
VGS-1525	1.50mm x 280mm

### I.E.F. TUBE GEL KIT AND ACCESSORIES

Cat. #	Item
TGA-200KS	TUBE GEL ADAPTOR for DSG-200-02 SYSTEM, 10 place Includes safety cover, 10 adaptors (grommets & stoppers), extractor, casting stand, 20 tubes (please specify I.D. desired) and 4 white clamps

### ACCESSORIES & REPLACEMENT COMPONENTS

TXA-100	Tube gel extractor
GT-0520	I.E.F. Glass tube, 0.5mm I.D., pkg of 24
GT-0720	I.E.F. Glass tube, 0.75mm I.D., pkg of 24
GT-1020	I.E.F. Glass tube, 1.0mm I.D., pkg of 24
GT-1520	I.E.F. Glass tube, 1.5mm I.D., pkg of 24
DE-CCST	TUBE GEL CASTING STAND, Capillary
TGA-G3	Tube Grommets, pkg. of 12
TGA-S3	Solid Stoppers, pkg. of 12
TGA-SC	Custom I.E.F. Safety Cover for DSG-200-02

### ALUMINUM HEAT DISPERSION PLATES FOR 16.5CM WIDE UNITS *1/4" thick, safety coated, electrically non-conductive.*

Cat. #	Plate Dimensions
CPA165-200	For use with NGP-200
CPA165-250	For use with NGP-250
CPA165-400	For use with NGP-400

## General Accessories - 16.5cm wide

### WHITE CLAMPS

Cat. #	Plate Dimensions
GPC-0001-6	White clamp for holding glass plate sandwich to upper reservoir. (Jaws slightly open in resting position.) Package of 6.
GPC-0002-6	White clamp for gel casting and holding glass sandwich together. (Jaws closed in resting position.) Package of 6.
GPC-0004	Large capacity, multi-task white clamp, package of 2.

### BAR CLAMPS

Cat #	Item
GPC-1650	Bar clamp for 16.5cm wide vertical units (ASG & DASG)

### BULK GEL WRAP GASKET®

Cat. #	Gel Thickness
VEG-05XX	0.5mm thick - yellow
VEG-07XX	0.75mm thick - yellow
VEG-10XX	1.0mm thick - red
VEG-15XX	1.5mm thick - blue
VEG-20XX	2.0mm thick - purple
VEG-30XX	3.0mm thick - white

## Vertical Mega-Gel , 50cm(w)

### MEGA GEL, 50cm wide

### DUAL HIGH-THROUGHPUT VERTICAL

Cat. #	Item
C-DASG-400-50	Mega-Gel Vertical Unit, 50cm(w) x 42cm(l) capability Includes: dual sided High Throughput unit, 2 ea. bar clamps, 2 ea. 100-well combs, 2 sets spacers, 2 ea. Gel Wrap gaskets, 2 sets 22cm glass plates, white spring clamps, gel sealing tape, plate separators, guide rods, rotating base.
EPS-600	Mini-Power Supply 5-600V, 3-500mA. Input: 96-240 VAC, 50-60 Hz
SG50-1050	Comb, 1.0mm x 50 well
SG50-1550	Comb, 1.5mm x 50 well
SG50-10100	Comb, 1.0mm x 100 well
SG50-15100	Comb, 1.5mm x 100 well
SGS-50-1020R	Spacer set, 1.0mm x 22cm
SGS-50-1520R	Spacer set, 1.5mm x 22cm
SGS-50-1030R	Spacer set, 1.0mm x 32cm
SGS-50-1530R	Spacer set, 1.5mm x 32cm
HK50-02100	Sharktooth Comb, 0.2mm x 100 well, MYLAR
HK50-0220	Spacer Set (2 side and 1 bottom), 0.2mm, MYLAR
SGP50-020R-DN	Gel Wrap Glass Plate set, 50cm(w) x 22cm(l), borosilicate back plate
SGP50-030R-DN	Gel Wrap Glass Plate set, 50cm(w) x 32cm(l), borosilicate back plate
SGP50-020R	Gel Wrap Glass Plate set, 50cm(w) x 22cm(l), standard glass
SGP50-030R	Gel Wrap Glass Plate set, 50cm(w) x 32cm(l), standard glass
SGE50-1020	Gel Wrap Gasket, 1.0mm x 22cm
SGE50-1520	Gel Wrap Gasket, 1.5mm x 22cm
SGE50-1030	Gel Wrap Gasket, 1.0mm x 32cm
SGE50-1530	Gel Wrap Gasket, 1.5mm x 32cm
SCK-500-50	Mega Gel Silicone Gasket Repair kit
QDC-B	Buffer Drain Option: Quick Disconnect Coupling, Body only
QDC-I	Buffer Drain Option: Quick Disconnect Coupling, Insert only
QDC-P	Buffer Drain Option: Quick Disconnect Coupling, Body & Insert
BVD-100	Buffer Drain Option: Ball Valve

## Tube Gel Electrophoresis

### TUBE GEL ELECTROPHORESIS

Cat. #	Item
DE-12-A	TUBE GEL ELECTROPHORESIS UNIT, 12 PLACE Available with 12 fixed grommets for 8mm tubes or with 12 vacutainer stoppers for variable size tubes.
DE-24/36-A	TUBE GEL ELECTROPHORESIS UNIT, 24 to 36 PLACE. Available with 36 stoppers or grommets.
DE-24/36-ST	TUBE GEL CASTING STAND, 24 place, with leveling base
GT-8015	GLASS TUBES, 7mm O.D, 5mm I.D, x 15cm length, pkg. of 12
DVS-100-A	ADDITIONAL STOPPERS, package of 12
DE-CCST	TUBE GEL CAPILLARY CASTING STAND

# Large Format Vertical Gel Electrophoresis, 20cm(w)

## LARGE FORMAT VERTICAL GEL ELECTROPHORESIS

Cat. #	Item
LSU-400-20	LARGE FORMAT ADJUSTABLE VERTICAL, 20cm(w) x 42cm(h) capability, Unit Only. Includes removable upper reservoir with safety cover & attached power leads, heavy duty guide rods, removable lower reservoir with safety cover and attached power leads, leveling base with level, buffer drainage ports & tubing adaptors, and white spring clamps.
LSG-400-20	LARGE FORMAT ADJUSTABLE VERTICAL KIT, 20cm(w) x 42cm(h) capability, KIT. Kit includes removable upper reservoir with safety cover & attached power leads, heavy duty guide rods, removable lower reservoir with safety cover and attached power leads, leveling base with level, buffer drainage ports & tubing adaptors, white spring clamps, 2 combs 1.5mm x 17 well, 2 sets spacers 1.5mm x 42cm, 2 Gel Wrap™ gaskets and 2 sets notched glass plate sets 42cm height.
LDASU-400-20	LARGE FORMAT DUAL ADJUSTABLE VERTICAL, 20cm(w) x 42cm(h) capability, Unit Only. Includes removable upper reservoir with safety cover & attached power leads, heavy duty guide rods, two removable lower reservoirs with safety cover and attached power leads, rotating leveling base with level, buffer drainage ports & tubing adaptors, and white spring clamps.
LDASG-400-20	LARGE FORMAT DUAL ADJUSTABLE VERTICAL KIT 20cm(w) x 42cm(h) capability, Kit includes removable upper reservoir with safety cover & attached power leads, heavy duty guide rods, two removable lower reservoir with safety cover and attached power leads, rotating leveling base with level, buffer drainage ports & tubing adaptors, white spring clamps, 2 combs 1.5mm x 17 well, 2 sets spacers 1.5mm x 42cm, 2 Gel Wrap™ gaskets and 2 sets notched glass plate sets 42cm height.

### Large Format Combs

For compatible thinner (0.2mm, 0.4mm) sharktooth or rectangular well combs see sequencing accessories on pages 15-16.

\* Designed for multi-channel pipettor loading.

Cat. #	Comb Dimensions
SG20-0701	0.75mm x 1 well
SG20-0702	0.75mm x 2 well
SG20-0703	0.75mm x 3 well
SG20-0704	0.75mm x 4 well
SG20-0708	0.75mm x 8 well
SG20-0712	0.75mm x 12 well
SG20-0714	0.75mm x 14 well
SG20-0716	0.75mm x 16 well
SG20-0717*	0.75mm x 17 well
SG20-0720	0.75mm x 20 well
SG20-0728	0.75mm x 28 well
SG20-0732	0.75mm x 32 well
SG20-0735*	0.75mm x 35 well
SG20-1001	1.0mm x 1 well
SG20-1002	1.0mm x 2 well
SG20-1003	1.0mm x 3 well
SG20-1004	1.0mm x 4 well
SG20-1008	1.0mm x 8 well
SG20-1012	1.0mm x 12 well
SG20-1014	1.0mm x 14 well
SG20-1016	1.0mm x 16 well
SG20-1017*	1.0mm x 17 well
SG20-1020	1.0mm x 20 well
SG20-1028	1.0mm x 28 well
SG20-1032	1.0mm x 32 well
SG20-1035*	1.0mm x 35 well
SG20-1501	1.5mm x 1 well
SG20-1502	1.5mm x 2 well
SG20-1503	1.5mm x 3 well
SG20-1504	1.5mm x 4 well
SG20-1508	1.5mm x 8 well
SG20-1512	1.5mm x 12 well
SG20-1514	1.5mm x 14 well
SG20-1516	1.5mm x 16 well
SG20-1517*	1.5mm x 17 well
SG20-1520	1.5mm x 20 well
SG20-1528	1.5mm x 28 well
SG20-1532	1.5mm x 32 well
SG20-1535*	1.5mm x 35 well
SG20-2001	2.0mm x 1 well
SG20-2002	2.0mm x 2 well
SG20-2003	2.0mm x 3 well
SG20-2004	2.0mm x 4 well
SG20-2008	2.0mm x 8 well
SG20-2012	2.0mm x 12 well
SG20-2014	2.0mm x 14 well
SG20-2016	2.0mm x 16 well
SG20-2017*	2.0mm x 17 well
SG20-2020	2.0mm x 20 well
SG20-2028	2.0mm x 28 well

### Large Format Combs, con't.

\* Designed for multi-channel pipettor loading.

Cat. #	Comb Dimensions
SG20-2032	2.0mm x 32 well
SG20-2035*	2.0mm x 35 well
SG20-3001	3.0mm x 1 well
SG20-3002	3.0mm x 2 well
SG20-3003	3.0mm x 3 well
SG20-3004	3.0mm x 4 well
SG20-3008	3.0mm x 8 well
SG20-3012	3.0mm x 12 well
SG20-3014	3.0mm x 14 well
SG20-3016	3.0mm x 16 well
SG20-3017*	3.0mm x 17 well
SG20-3020	3.0mm x 20 well
SG20-3028	3.0mm x 28 well
SG20-3032	3.0mm x 32 well
SG20-3035*	3.0mm x 35 well

### Large Format Gel Wrap Spacer Sets - 2 side spacers with rounded corners

For compatible thinner (0.2mm, 0.4mm) spacers see sequencing accessories on pages 15-16.

Cat. #	Spacer Dimensions
SGS-20-0720R	0.75mm x 22cm
SGS-20-0730R	0.75mm x 32cm
SGS-20-0740AR	0.75mm x 42cm
SGS-20-1020R	1.0mm x 22cm
SGS-20-1030R	1.0mm x 32cm
SGS-20-1040AR	1.0mm x 42cm
SGS-20-1520R	1.5mm x 22cm
SGS-20-1530R	1.5mm x 32cm
SGS-20-1540AR	1.5mm x 42cm
SGS-20-2020R	2.0mm x 22cm
SGS-20-2030R	2.0mm x 32cm
SGS-20-2040AR	2.0mm x 42cm
SGS-20-3020R	3.0mm x 22cm
SGS-20-3030R	3.0mm x 32cm
SGS-20-3040AR	3.0mm x 42cm

### Large Format Gel Wrap™ Gasket

Cat. #	Item
VGE20-0720	Gel Wrap Gasket, 0.75mm thick x 22cm height
VGE20-0730	Gel Wrap Gasket, 0.75mm thick x 32cm height
VGE20-0740	Gel Wrap Gasket, 0.75mm thick x 42cm height
VGE20-1020	Gel Wrap Gasket, 1.0mm thick x 22cm height
VGE20-1030	Gel Wrap Gasket, 1.0mm thick x 32cm height
VGE20-1040	Gel Wrap Gasket, 1.0mm thick x 42cm height
VGE20-1520	Gel Wrap Gasket, 1.5mm thick x 22cm height
VGE20-1530	Gel Wrap Gasket, 1.5mm thick x 32cm height
VGE20-1540	Gel Wrap Gasket, 1.5mm thick x 42cm height
VGE20-2020	Gel Wrap Gasket, 2.0mm thick x 22cm height
VGE20-2030	Gel Wrap Gasket, 2.0mm thick x 32cm height
VGE20-2040	Gel Wrap Gasket, 2.0mm thick x 42cm height
VGE20-3020	Gel Wrap Gasket, 3.0mm thick x 22cm height
VGE20-3040	Gel Wrap Gasket, 3.0mm thick x 32cm height
VGE20-3040	Gel Wrap Gasket, 3.0mm thick x 42cm height

### Large Format Gel Wrap™ Glass Plate Sets (notched with rounded corners on back plate)

For compatible glass plates for running thinner gels (0.2mm, 0.4mm) see pages 15-16.

Cat. #	Item
SGP20-020R	Gel Wrap Glass Plate sets, 22cm height
SGP20-030R	Gel Wrap Glass Plate sets, 32cm height
SGP20-040AR	Gel Wrap Glass Plate sets, 42cm height

### Glass Plate Ordering Options:

Low Fluorescence plate sets: To order low fluorescence borosilicate plate sets add "-LFP" to end of cat. #. To order low fluorescence borosilicate BACK plate only add "-DN" to the end of cat. #.

### Large Format Aluminum Heat Dispersion Plates

Cat. #	Aluminum Plate Dimensions
CPA20-020	20cm (w) x 6.8cm(h) for use with SGP20-020R
CPA20-030	20cm (w) x 16.6cm(h) for use with SGP20-030R
CPA20-040	20cm (w) x 26.8cm(h) for use with SGP20-040R

For running thinner gels (0.2mm and 0.4mm) on the Large Format Vertical Gel Units order from pages 15-16 under Sequencer Accessories - 20cm wide.

# Nucleic Acid Sequencers - 20cm wide

## ADJUSTABLE NUCLEIC ACID SEQUENCERS, 20 cm wide

Note: SG Sequencers include 6 GPC-0001 white spring clamps. MTV Plates not included with kits.

Cat. #	Item
SG-400-20	ADJUSTABLE NUCLEIC ACID SEQUENCING KIT 20cm width, 42cm capability. Includes 2 sets 42cm glass plates, 2 combs, 2 spacer sets (wedge spacers excluded), 1 roll gel sealing tape, 1 wedge plate separator, 1 bottle of Gel Repel™, and 6 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.
SG-500-20	ADJUSTABLE NUCLEIC ACID SEQUENCING KIT 20cm width, 52cm capability. Includes 2 sets 52cm glass plates, 2 combs, 2 spacer sets (wedge spacers excluded), 1 roll gel sealing tape, 1 wedge plate separator, 1 oz bottle of Gel Repel™, and 6 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.
SG-600-20	ADJUSTABLE NUCLEIC ACID SEQUENCING KIT 20cm width, 62cm capability. Includes 1 set 42cm glass plates, 1 set 62cm glass plates, 2 combs, 2 spacer sets (wedge spacers excluded), 1 roll gel sealing tape, 1 wedge plate separator, 1 oz bottle of Gel Repel™, and 6 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.
SG-800-20	ADJUSTABLE NUCLEIC ACID SEQUENCING KIT 20cm width, 82cm capability. Includes 1 set 42cm glass plates, 1 set 82cm glass plates, 2 combs, 2 spacer sets (wedge spacers excluded), 1 roll gel sealing tape, 1 wedge plate separator, 1 oz bottle of Gel Repel™, and 6 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.
SG-1000-20	ADJUSTABLE NUCLEIC ACID SEQUENCING KIT 20cm width, 1 meter capability. Includes 1 set 42cm glass plates, 1 set 1 meter glass plates, 2 combs, 2 spacer sets (wedge spacers excluded), 1 roll gel sealing tape, 1 wedge plate separator, 1 oz bottle of Gel Repel™, and 6 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.

## DUAL ADJUSTABLE NUCLEIC ACID SEQUENCERS, 20 cm wide

NOTE: DASG Sequencers include rotating base, divided upper reservoir and 12 GPC-0001 white spring clamps. MTV Plates not included with kits.

Cat. #	Item
DASG-400-20	DUAL ADJUSTABLE NUCLEIC ACID SEQUENCING KIT 20cm width, 42cm capability. Includes 2 sets 42cm glass plates, 2 combs, 2 sets spacers (wedge spacers excluded), 1 roll gel sealing tape, 2 wedge plate separators, 1oz bottle of Gel Repel™, and 12 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.
DASG-500-20	DUAL ADJUSTABLE NUCLEIC ACID SEQUENCING KIT 20cm width, 52cm capability. Includes 2 sets 52cm glass plates, 2 combs, 2 sets spacers (wedge spacers excluded), 1 roll gel sealing tape, 2 wedge plate separators, 1oz bottle of Gel Repel™, and 12 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.
DASG-600-20	DUAL ADJUSTABLE NUCLEIC ACID SEQUENCING KIT 20cm width, 62cm capability. Includes 2 sets 62cm glass plates, 2 combs, 2 sets spacers (wedge spacers excluded), 1 roll gel sealing tape, 2 wedge plate separators, 1oz bottle of Gel Repel™, and 12 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.

## DEDICATED HEIGHT NUCLEIC ACID SEQUENCERS, 20 cm wide

Note: DH Sequencers include bar clamps and 4 GPC-0001 white spring clamps. MTV Plates not included with kits - .

Cat. #	Item
DH-400-20	DEDICATED HEIGHT SEQUENCING KIT with bar clamp, 20cm width, 42cm height. Includes 2 sets glass plates, 2 combs, 2 sets spacers (wedge spacers excluded), 1 roll gel sealing tape, 2 wedge plate separators, 1oz bottle of Gel Repel™, and 4 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.
DH-500-20	DEDICATED HEIGHT SEQUENCING KIT with bar clamp, 20cm width, 52cm height. Includes 2 sets glass plates, 2 combs, 2 sets spacers (wedge spacers excluded), 1 roll gel sealing tape, 2 wedge plate separators, 1oz bottle of Gel Repel™, and 4 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.
DH-600-20	DEDICATED HEIGHT SEQUENCING KIT with bar clamp, 20cm width, 62cm height. Includes 2 sets glass plates, 2 combs, 2 sets spacers (wedge spacers excluded), 1 roll gel sealing tape, 2 wedge plate separators, 1oz bottle of Gel Repel™, and 4 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.

## DUAL DEDICATED HEIGHT NUCLEIC ACID SEQUENCERS, 20 cm wide

DDH Sequencers include bar clamps, rotating base, divided upper reservoir and 8 GPC-0001 white spring clamps. MTV Plates not included with kits - .

Cat. #	Item
DDH-400-20	DUAL NUCLEIC ACID SEQUENCING KIT with bar clamps, 20cm width, 42cm height. Includes: 2 sets 42cm glass plates, 2 combs, 2 sets spacers (wedge spacers excluded), 1 roll gel sealing tape, 2 wedge plate separators, 1oz bottle of Gel Repel™, and 8 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.
DDH-500-20	DUAL NUCLEIC ACID SEQUENCING KIT with bar clamps, 20cm width, 52cm height. Includes: 2 sets 52cm glass plates, 2 combs, 2 sets spacers (wedge spacers excluded), 1 roll gel sealing tape, 2 wedge plate separators, 1oz bottle of Gel Repel™, and 8 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.
DDH-600-20	DUAL NUCLEIC ACID SEQUENCING KIT with bar clamps, 20cm width, 62cm height. Includes: 2 sets 62cm glass plates, 2 combs, 2 sets spacers (wedge spacers excluded), 1 roll gel sealing tape, 2 wedge plate separators, 1oz bottle of Gel Repel™, and 8 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.

## Sequencer Accessories - 20cm wide

Please see additional accessory listings on the following pages: General accessories: pages 19-20. Microtrough Glass Plates and Microtrough Plug Combs: page 16. Preparative Combs and Spacers: page 19-20

### COMBS AND SPACERS, VALOX™ AND POLYCARBONATE

#### PRINTED VALOX™ SHARKTOOTH COMBS FOR 20CM WIDE UNITS

For compatible spacers please order polycarbonate SGS series spacers listed directly below.

\* Designed for multi-channel pipettor loading.

Cat. #	Comb Dimensions
SK20-0201	0.2mm x 1 well, casting comb
SK20-0234*	0.2mm x 34 well, 4.50mm point to point
SK20-0252*	0.2mm x 52 well, 3.00mm point to point
SK20-0270*	0.2mm x 70 well, 2.25mm point to point
SK20-0401	0.4mm x 1 well, casting comb
SK20-0434*	0.4mm x 34 well, 4.50mm point to point
SK20-0452*	0.4mm x 52 well, 3.00mm point to point
SK20-0470*	0.4mm x 70 well, 2.25mm point to point

# Sequencer Accessories - 20cm wide, con't.

## POLYCARBONATE SPACER PAIRS

Cat. #	Spacer Dimensions
SGS-2020	0.2mm x 22cm
SGS-2030	0.2mm x 32cm
SGS-2040	0.2mm x 42cm
SGS-2050	0.2mm x 52cm
SGS-2060	0.2mm x 62cm
SGS-2080	0.2mm x 82cm
SGS-2100	0.2mm x 102cm
SGS-4020	0.4mm x 22cm
SGS-4030	0.4mm x 32cm
SGS-4040	0.4mm x 42cm
SGS-4050	0.4mm x 52cm
SGS-4060	0.4mm x 62cm
SGS-4080	0.4mm x 82 cm
SGS-4100	0.4mm x 102cm

## RECTANGULAR POLYCARBONATE COMBS FOR 20CM WIDE UNITS

*\* Designed for multi-channel pipettor loading.*

Cat. #	Comb Dimensions
SG20-0208	0.2mm x 8 well
SG20-0212	0.2mm x 12 well
SG20-0214	0.2mm x 14 well
SG20-0216	0.2mm x 16 well
SG20-0217*	0.2mm x 17 well
SG20-0220	0.2mm x 20 well
SG20-0228	0.2mm x 28 well
SG20-0232	0.2mm x 32 well
SG20-0235*	0.2mm x 35 well
SG20-0408	0.4mm x 8 well
SG20-0412	0.4mm x 12 well
SG20-0414	0.4mm x 14 well
SG20-0416	0.4mm x 16 well
SG20-0417*	0.4mm x 17 well
SG20-0420	0.4mm x 20 well
SG20-0428	0.4mm x 28 well
SG20-0432	0.4mm x 32 well
SG20-0435*	0.4mm x 35 well

## GLASS PLATE SETS

### GLASS PLATE SETS FOR 20CM WIDE UNITS

*Notched Plate is 3/16" thick, back plate is 1/8" thick*

Cat. #	Glass Plate Dimensions	Un-notched Set	Notched Set
SGP20-020	20cm(w) x 22cm(h)		
SGP20-030	20cm(w) x 32cm(h)		
SGP20-040A	20cm(w) x 42cm(h)		
SGP20-050	20cm(w) x 52cm(h)		
SGP20-060	20cm(w) x 62cm(h)		
SGP20-080A	20cm(w) x 82cm(h)		
SGP20-100	20cm(w) x 102cm(h)		

### LOW FLUORESCENCE BOROSILICATE GLASS PLATE SETS FOR 20CM WIDE UNITS

*Notched Plate is 3/16" thick, back plate is 1/8" thick*

Cat. #	Glass Plate Dimensions	Un-notched Sets	Notched Sets
LFP20-020	20cm(w) x 22cm(h)		
LFP20-030	20cm(w) x 32cm(h)		
LFP20-040A	20cm(w) x 42cm(h)		
LFP20-050	20cm(w) x 52cm(h)		

## ALUMINIUM PLATES

### ALUMINUM HEAT DISPERSION PLATES FOR 20CM WIDE UNITS

*1/4" thick, safety coated, electrically non-conductive*

Cat. #	Plate Dimensions
CPA20-020	20cm(w) x 6.8cm(h)
CPA20-030	20cm(w) x 16.6cm (h)
CPA20-040A	20cm(w) x 26.8cm(h)
CPA20-050	20cm(w) x 36.9cm(h)
CPA20-060	20cm(w) x 46.8cm(h)
CPA20-080A	20cm(w) x 67.4cm(h)
CPA20-100	20cm(w) x 86.6cm(h)

## MICROTROUGH™ SYSTEM FOR 20cm WIDE UNITS

### GLASS PLATES

#### MICROTROUGH™ Glass Plate Sets for 20cm Wide units

*\* Designed for multi-channel pipettor loading.*

Cat. #	Glass Plate Dimensions
MTV20-0334	20cm(w) x 32cm(h), 34 troughs, 4.50mm pt. to pt.*
MTV20-0352	20cm(w) x 32cm(h), 52 troughs, 3.00mm pt. to pt.*
MTV20-0370	20cm(w) x 32cm(h), 70 troughs, 2.25mm pt. to pt.*
MTV20-0434	20cm(w) x 42cm(h), 34 troughs, 4.50mm pt. to pt.*
MTV20-0452	20cm(w) x 42cm(h), 52 troughs, 3.00mm pt. to pt.*
MTV20-0470	20cm(w) x 42cm(h), 70 troughs, 2.25mm pt. to pt.*
MTV20-0534	20cm(w) x 52cm(h), 34 troughs, 4.50mm pt. to pt.*
MTV20-0552	20cm(w) x 52cm(h), 52 troughs, 3.00mm pt. to pt.*
MTV20-0570	20cm(w) x 52cm(h), 70 troughs, 2.25mm pt. to pt.*
MTV20-0634	20cm(w) x 62cm(h), 34 troughs, 4.50mm pt. to pt.*
MTV20-0652	20cm(w) x 62cm(h), 52 troughs, 3.00mm pt. to pt.*
MTV20-0670	20cm(w) x 62cm(h), 70 troughs, 2.25mm pt. to pt.*

#### Glass Plate Ordering Options:

To specify low fluorescence Borosilicate plates add "-LFP" to end of cat. #.

#### Corresponding MICROTROUGH™ Plug Combs for 20cm Wide Units.

(Combs for use with Microtrough Plates are the SK20 sharktooth combs listed on page 15.)

*\* Designed for multi-channel pipettor loading.*

Cat. #	Thickness x Troughs
MCC20-0234*	0.2mm x 34 troughs, 4.50mm pt. to pt.
MCC20-0252*	0.2mm x 52 troughs, 3.00mm pt. to pt.
MCC20-0270*	0.2mm x 70 troughs, 2.25mm pt. to pt.
MCC20-0434*	0.4mm x 34 troughs, 4.50mm pt. to pt.
MCC20-0452*	0.4mm x 52 troughs, 3.00mm pt. to pt.
MCC20-0470*	0.4mm x 70 troughs, 2.25mm pt. to pt.

# Nucleic Acid Sequencers - 33cm wide

## ADJUSTABLE NUCLEIC ACID SEQUENCERS, 33 cm wide

Note: SG Sequencers include 6 GPC-0001 white spring clamps. System 96 and MTV Plates not included with kits -

Cat. #	Item
SG-400-33	ADJUSTABLE NUCLEIC ACID SEQUENCING KIT 33cm width, 42cm capability. Includes 2 sets 42cm glass plates, 2 combs, 2 spacer sets (wedge spacers excluded), 1 roll gel sealing tape, 1 wedge plate separator, 1oz bottle of Gel Repel™, and 6 white spring clamps. Please specify comb and spacer Cat. #'s from the accessory list.
SG-500-33	ADJUSTABLE NUCLEIC ACID SEQUENCING KIT 33cm width, 52cm capability. Includes 2 sets 52cm glass plates, 2 combs, 2 spacer sets (wedge spacers excluded), 1 roll gel sealing tape, 1 wedge plate separator, 1oz bottle of Gel Repel™, and 6 white spring clamps. Please specify comb and spacer Cat. #'s from the accessory list.
SG-600-33	ADJUSTABLE NUCLEIC ACID SEQUENCING KIT 33cm width, 62cm capability. Includes 1 set 42 cm glass plates, 1 set 62cm glass plates, 2 combs, 2 spacer sets (wedge spacers excluded), 1 roll gel sealing tape, 1 wedge plate separator, 1oz bottle of Gel Repel™, and 6 white spring clamps. Please specify comb and spacer Cat. #'s from the accessory list.
SG-800-33	ADJUSTABLE NUCLEIC ACID SEQUENCING KIT 33cm width, 82cm capability. Includes 1 set 42cm glass plates, 1 set 82cm glass plates, 2 combs, 2 spacer sets (wedge spacers excluded), 1 roll gel sealing tape, 1 wedge plate separator, 1oz bottle of Gel Repel™, and 6 white spring clamps. Please specify comb and spacer Cat. #'s from the accessory list.
SG-1000-33	ADJUSTABLE NUCLEIC ACID SEQUENCING KIT 33cm width, 1 meter capability. Includes 1 set 42 cm glass plates, 1 set 1 meter glass plates, 2 combs, 2 spacer sets (wedge spacers excluded), 1 roll gel sealing tape, 1 wedge plate separator, 1 oz bottle of Gel Repel™, and 6 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.

## DUAL ADJUSTABLE NUCLEIC ACID SEQUENCERS, 33 cm wide

NOTE: DASG Sequencers include rotating base, divided upper reservoir and 12 GPC-0001 white spring clamps. System 96 and MTV Plates not included with kits.

Cat. #	Item
DASG-400-33	DUAL ADJUSTABLE NUCLEIC ACID SEQUENCING KIT 33cm width, 42cm capability. Includes 2 sets 42cm glass plates, 2 combs, 2 sets spacers (wedge spacers excluded), 1 roll gel sealing tape, 2 wedge plate separators, 1oz bottle of Gel Repel™, and 12 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.
DASG-500-33	DUAL ADJUSTABLE NUCLEIC ACID SEQUENCING KIT 33cm width, 52cm capability. Includes 2 sets 52cm glass plates, 2 combs, 2 sets spacers (wedge spacers excluded), 1 roll gel sealing tape, 2 wedge plate separators, 1oz bottle of Gel Repel™, and 12 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.
DASG-600-33	DUAL ADJUSTABLE NUCLEIC ACID SEQUENCING KIT 33cm width, 62cm capability. Includes 2 sets 62cm glass plates, 2 combs, 2 sets spacers (wedge spacers excluded), 1 roll gel sealing tape, 2 wedge plate separators, 1oz bottle of Gel Repel™, and 12 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.

## DEDICATED HEIGHT NUCLEIC ACID SEQUENCERS, 33 cm wide

Note: DH Sequencers include bar clamps and 4 GPC-0001 white spring clamps. System 96 and MTV Plates not included with kits -

Cat. #	Item
DH-400-33	DEDICATED HEIGHT SEQUENCING KIT with bar clamp, 33cm width, 42cm height. Includes 2 sets glass plates, 2 combs, 2 sets spacers (wedge spacers excluded), 1 roll gel sealing tape, 2 wedge plate separators, 1oz bottle of Gel Repel™, and 4 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.
DH-500-33	DEDICATED HEIGHT SEQUENCING KIT with bar clamp, 33cm width, 52cm height. Includes 2 sets glass plates, 2 combs, 2 sets spacers (wedge spacers excluded), 1 roll gel sealing tape, 2 wedge plate separators, 1oz bottle of Gel Repel™, and 4 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.
DH-600-33	DEDICATED HEIGHT SEQUENCING KIT with bar clamp, 33cm width, 62cm height. Includes 2 sets glass plates, 2 combs, 2 sets spacers (wedge spacers excluded), 1 roll gel sealing tape, 2 wedge plate separators, 1oz bottle of Gel Repel™, and 4 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.

## DUAL DEDICATED HEIGHT NUCLEIC ACID SEQUENCERS, 33 cm wide

DDH Sequencers include bar clamps, rotating base, divided upper reservoir and 8 GPC-0001 white spring clamps. System 96 and MTV Plates not included with kits

Cat. #	Item
DDH-400-33	DUAL NUCLEIC ACID SEQUENCING KIT with bar clamps, 33cm width, 42cm height. Includes: 2 sets 42cm glass plates, 2 combs, 2 sets spacers (wedge spacers excluded), 1 roll gel sealing tape, 2 wedge plate separators, 1oz bottle of Gel Repel™, and 8 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.
DDH-500-33	DUAL NUCLEIC ACID SEQUENCING KIT with bar clamps, 33cm width, 52cm height. Includes: 2 sets 52cm glass plates, 2 combs, 2 sets spacers (wedge spacers excluded), 1 roll gel sealing tape, 2 wedge plate separators, 1oz bottle of Gel Repel™, and 8 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.
DDH-600-33	DUAL NUCLEIC ACID SEQUENCING KIT with bar clamps, 33cm width, 62cm height. Includes: 2 sets 62cm glass plates, 2 combs, 2 sets spacers (wedge spacers excluded), 1 roll gel sealing tape, 2 wedge plate separators, 1oz bottle of Gel Repel™, and 8 white spring clamps. Please specify comb and spacer cat. #'s from the accessory list.

## Sequencer Accessories - 33cm wide

Please see additional accessory listings on the following pages: *General accessories: pages 19-20. Microtrough Glass Plates and Microtrough Plug Combs: page 18. Preparative Combs and Spacers: pages 19-20.*

### COMBS AND SPACERS, VALOX™ AND POLYCARBONATE

#### PRINTED VALOX™ SHARKTOOTH COMBS FOR 33CM WIDE UNITS

For compatible spacers order polycarbonate SGS series spacers on page 18.

\* Designed for multi-channel pipettor loading.

Cat. #	Comb Dimensions
SK33-0201	0.2mm x 1 well, casting comb
SK33-0262*	0.2mm x 62 well, 4.50mm point to point
SK33-0294*	0.2mm x 94 well, 3.00mm point to point
SK33-02126*	0.2mm x 126 well, 2.25mm point to point
SK33-0401	0.4mm x 1 well, casting comb
SK33-0462*	0.4mm x 62 well, 4.50 mm point to point
SK33-0494*	0.4mm x 94 well, 3.00mm point to point
SK33-04126*	0.4mm x 126 well, 2.25mm point to point

# Sequencer Accessories - 33cm wide, con't.

## POLYCARBONATE SPACER PAIRS

Cat. #	Spacer Dimensions
SGS-2020	0.2mm x 22cm
SGS-2030	0.2mm x 32cm
SGS-2040	0.2mm x 42cm
SGS-2050	0.2mm x 52cm
SGS-2060	0.2mm x 62cm
SGS-2080	0.2mm x 82cm
SGS-2100	0.2mm x 102cm
SGS-4020	0.4mm x 22cm
SGS-4030	0.4mm x 32cm
SGS-4040	0.4mm x 42cm
SGS-4050	0.4mm x 52cm
SGS-4060	0.4mm x 62cm
SGS-4080	0.4mm x 82 cm
SGS-4100	0.4mm x 102cm

## COMBS (Polycarbonate or Valox)

### Rectangular Polycarbonate Combs for 33cm Wide Units

\* Designed for multi-channel pipettor loading. For compatible spacers order polycarbonate SGS series below

Cat. #	Comb Dimensions
SG33-0208	0.2mm x 8 well
SG33-0216	0.2mm x 16 well
SG33-0224	0.2mm x 24 well
SG33-0231*	0.2mm x 31 well
SG33-0234	0.2mm x 34 well
SG33-0250	0.2mm x 50 well
SG33-0260	0.2mm x 60 well
SG33-0263*	0.2mm x 63 well
SG33-0408	0.4mm x 8 well
SG33-0416	0.4mm x 16 well
SG33-0424	0.4mm x 24 well
SG33-0431*	0.4mm x 31 well
SG33-0434	0.4mm x 34 well
SG33-0450	0.4mm x 50 well
SG33-0460	0.4mm x 60 well
SG33-0463*	0.4mm x 63 well

## GLASS PLATE SETS

### Glass Plate Sets for 33cm Wide Units - Notched and back plate are both 3/16" thick

Cat. #	Glass Plate Dimensions	Un-notched	Notched
SGP33-020	33cm(w) x 22cm(h)		
SGP33-030	33cm(w) x 32cm(h)		
SGP33-040A	33cm(w) x 42cm(h)		
SGP33-050	33cm(w) x 52cm(h)		
SGP33-060	33cm(w) x 62cm(h)		
SGP33-080A	33cm(w) x 82cm(h)		
SGP33-100	33cm(w) x 102cm(h)		

### Low Fluorescence Borosilicate Glass Plate Sets for 33cm Wide Units - Notched and back plate are both 3/16" thick

Cat. #	Glass Plate Dimensions	Un-notched	Notched
LFP33-020	33cm(w) x 22cm(h)		
LFP33-030	33cm(w) x 32cm(h)		
LFP33-040A	33cm(w) x 42cm(h)		
LFP33-050	33cm(w) x 52cm(h)		

## ALUMINIUM PLATES

### Aluminum Heat Dispersion Plates for 33cm Wide Units

(1/4" thick, safety coated, electrically non-conductive)

Cat. #	Plate Dimensions
CPA33-020	33cm(w) x 6.8cm(h)
CPA33-030	33cm(w) x 16.6cm(h)
CPA33-040A	33cm(w) x 26.8cm(h)
CPA33-050	33cm(w) x 36.9cm(h)
CPA33-060	33cm(w) x 46.8cm(h)
CPA33-080A	33cm(w) x 67.4cm(h)
CPA33-100	33cm(w) x 86.8cm(h)

## MICROTROUGH™ SYSTEM FOR 33cm WIDE UNITS

### GLASS PLATES

#### MICROTROUGH™ Glass Plate Sets for 33cm Wide units

\* Designed for multi-channel pipettor loading. NOTE: See System 96 for 98 well options.

Cat. #	Glass Plate Dimensions
MTV33-0362	33cm(w) x 32cm(h), 62 troughs, 4.50mm pt. to pt.*
MTV33-0394	33cm(w) x 32cm(h), 94 troughs, 3.00mm pt. to pt.*
MTV33-03126	33cm(w) x 32cm(h), 126 troughs, 2.25mm pt. to pt.*
MTV33-0462	33cm(w) x 42cm(h), 62 troughs, 4.50mm pt. to pt.*
MTV33-0494	33cm(w) x 42cm(h), 94 troughs, 3.00mm pt. to pt.*
MTV33-04126	33cm(w) x 42cm(h), 126 troughs, 2.25mm pt. to pt.*
MTV33-0562	33cm(w) x 52cm(h), 62 troughs, 4.50mm pt. to pt.*
MTV33-0594	33cm(w) x 52cm(h), 94 troughs, 3.00mm pt. to pt.*
MTV33-05126	33cm(w) x 52cm(h), 126 troughs, 2.25mm pt. to pt.*
MTV33-0662	33cm(w) x 62cm(h), 62 troughs, 4.50mm pt. to pt.*
MTV33-0694	33cm(w) x 62cm(h), 94 troughs, 3.00mm pt. to pt.*
MTV33-06126	33cm(w) x 62cm(h), 126 troughs, 2.25mm pt. to pt.*

#### Corresponding MICROTROUGH™ Plug Combs for 33cm Wide Units

(Combs for use with Microtrough Plates are the SK33 sharktooth combs listed on page 17.)

\* Designed for multi-channel pipettor loading.

Cat. #	Thickness x Troughs
MCC33-0262*	0.2mm x 62 troughs, 4.50mm pt. to pt.
MCC33-0294*	0.2mm x 94 troughs, 3.00mm pt. to pt.
MCC33-02126*	0.2mm x 126 troughs, 2.25mm pt. to pt.
MCC33-0462*	0.4mm x 62 troughs, 4.50mm pt. to pt.
MCC33-0494*	0.4mm x 94 troughs, 3.00mm pt. to pt.
MCC33-04126*	0.4mm x 126 troughs, 2.25mm pt. to pt.

# Sequencer Accessories for 20cm & 33cm wide

## THICKER COMBS & SPACERS FOR 20cm & 33cm

### WIDE SEQUENCERS

#### Thicker Combs for 20cm Wide Sequencers, (Teflon)

*\* Designed for multi-channel pipettor loading.*

Cat. #	Comb Dimensions
SG20-0701	0.75mm x 1 well
SG20-0702	0.75mm x 2 well
SG20-0703	0.75mm x 3 well
SG20-0704	0.75mm x 4 well
SG20-0708	0.75mm x 8 well
SG20-0712	0.75mm x 12 well
SG20-0714	0.75mm x 14 well
SG20-0716	0.75mm x 16 well
SG20-0717*	0.75mm x 17 well
SG20-0720	0.75mm x 20 well
SG20-0728	0.75mm x 28 well
SG20-0732	0.75mm x 32 well
SG20-0735*	0.75mm x 35 well
SG20-1001	1.0mm x 1 well
SG20-1002	1.0mm x 2 well
SG20-1003	1.0mm x 3 well
SG20-1004	1.0mm x 4 well
SG20-1008	1.0mm x 8 well
SG20-1012	1.0mm x 12 well
SG20-1014	1.0mm x 14 well
SG20-1016	1.0mm x 16 well
SG20-1017*	1.0mm x 17 well
SG20-1020	1.0mm x 20 well
SG20-1028	1.0mm x 28 well
SG20-1032	1.0mm x 32 well
SG20-1035*	1.0mm x 35 well
SG20-1501	1.5mm x 1 well
SG20-1502	1.5mm x 2 well
SG20-1503	1.5mm x 3 well
SG20-1504	1.5mm x 4 well
SG20-1508	1.5mm x 8 well
SG20-1512	1.5mm x 12 well
SG20-1514	1.5mm x 14 well
SG20-1516	1.5mm x 16 well
SG20-1517*	1.5mm x 17 well
SG20-1520	1.5mm x 20 well
SG20-1528	1.5mm x 28 well
SG20-1532	1.5mm x 32 well
SG20-1535*	1.5mm x 35 well
SG20-2001	2.0mm x 1 well
SG20-2002	2.0mm x 2 well
SG20-2003	2.0mm x 3 well
SG20-2004	2.0mm x 4 well
SG20-2008	2.0mm x 8 well
SG20-2012	2.0mm x 12 well
SG20-2014	2.0mm x 14 well
SG20-2016	2.0mm x 16 well
SG20-2017*	2.0mm x 17 well
SG20-2020	2.0mm x 20 well
SG20-2028	2.0mm x 28 well
SG20-2032	2.0mm x 32 well
SG20-2035*	2.0mm x 35 well
SG20-3001	3.0mm x 1 well
SG20-3002	3.0mm x 2 well
SG20-3003	3.0mm x 3 well
SG20-3004	3.0mm x 4 well
SG20-3008	3.0mm x 8 well
SG20-3012	3.0mm x 12 well
SG20-3014	3.0mm x 14 well
SG20-3016	3.0mm x 16 well
SG20-3017*	3.0mm x 17 well
SG20-3020	3.0mm x 20 well
SG20-3028	3.0mm x 28 well
SG20-3032	3.0mm x 32 well
SG20-3035*	3.0mm x 35 well

#### Thicker Spacer Sets for 20cm Wide Sequencers

Cat. #	Spacer Dimensions (includes bottom spacer)
SGS-20-0720	0.75mm x 22cm
SGS-20-0730	0.75mm x 32cm
SGS-20-0740A	0.75mm x 42cm
SGS-20-0750	0.75mm x 52cm
SGS-20-0760	0.75mm x 62cm
SGS-20-0780	0.75mm x 82cm
SGS-20-0710	0.75mm x 102cm
SGS-20-1020	1.0mm x 22cm
SGS-20-1030	1.0mm x 32cm
SGS-20-1040A	1.0mm x 42cm
SGS-20-1050	1.0mm x 52cm
SGS-20-1060	1.0mm x 62cm
SGS-20-1080	1.0mm x 82cm
SGS-20-1010	1.0mm x 102cm
SGS-20-1520	1.5mm x 22cm
SGS-20-1530	1.5mm x 32cm
SGS-20-1540A	1.5mm x 42cm
SGS-20-1550	1.5mm x 52cm
SGS-20-1560	1.5mm x 62cm
SGS-20-1580	1.5mm x 82cm
SGS-20-1510	1.5mm x 102cm
SGS-20-2020	2.0mm x 22cm
SGS-20-2030	2.0mm x 32cm
SGS-20-2040A	2.0mm x 42cm
SGS-20-2050	2.0mm x 52cm
SGS-20-2060	2.0mm x 62cm
SGS-20-2080	2.0mm x 82cm
SGS-20-2010	2.0mm x 102cm
SGS-20-3020	3.0mm x 22cm
SGS-20-3030	3.0mm x 32cm
SGS-20-3040A	3.0mm x 42cm
SGS-20-3050	3.0mm x 52cm
SGS-20-3060	3.0mm x 62cm
SGS-20-3080	3.0mm x 82cm
SGS-20-3010	3.0mm x 102cm

#### Thicker Combs for 33cm Sequencer, (Teflon)

*\* Designed for multi-channel pipettor loading.*

Cat. #	Comb Dimensions
SG33-0703	0.75mm x 3 well
SG33-0705	0.75mm x 5 well
SG33-0706	0.75mm x 6 well
SG33-0708	0.75mm x 8 well
SG33-0712	0.75mm x 12 well
SG33-0716	0.75mm x 16 well
SG33-0724	0.75mm x 24 well
SG33-0731*	0.75mm x 31 well
SG33-0734	0.75mm x 34 well
SG33-0750	0.75mm x 50 well
SG33-0760	0.75mm x 60 well
SG33-0763*	0.75mm x 63 well
SG33-1003	1.0mm x 3 well
SG33-1005	1.0mm x 5 well
SG33-1006	1.0mm x 6 well
SG33-1008	1.0mm x 8 well
SG33-1012	1.0mm x 12 well
SG33-1016	1.0mm x 16 well
SG33-1024	1.0mm x 24 well
SG33-1031*	1.0mm x 31 well
SG33-1034	1.0mm x 34 well
SG33-1050	1.0mm x 50 well
SG33-1060	1.0mm x 60 well
SG33-1063*	1.0mm x 63 well
SG33-1503	1.5mm x 3 well
SG33-1505	1.5mm x 5 well
SG33-1506	1.5mm x 6 well
SG33-1508	1.5mm x 8 well
SG33-1512	1.5mm x 12 well
SG33-1516	1.5mm x 16 well
SG33-1524	1.5mm x 24 well
SG33-1531*	1.5mm x 31 well
SG33-1534	1.5mm x 34 well
SG33-1550	1.5mm x 50 well
SG33-1560	1.5mm x 60 well
SG33-1563*	1.5mm x 63 well
SG33-2003	2.0mm x 3 well
SG33-2005	2.0mm x 5 well
SG33-2006	2.0mm x 6 well
SG33-2008	2.0mm x 8 well
SG33-2012	2.0mm x 12 well
SG33-2016	2.0mm x 16 well
SG33-2024	2.0mm x 24 well
SG33-2031*	2.0mm x 31 well
SG33-2034	2.0mm x 34 well

## Accessories for 20 & 33cm wide, con't.

SG33-2050	2.0mm x 50 well
SG33-2060	2.0mm x 60 well
SG33-2063*	2.0mm x 63 well
SG33-3003	3.0mm x 3 well
SG33-3005	3.0mm x 5 well
SG33-3006	3.0mm x 6 well
SG33-3008	3.0mm x 8 well
SG33-3012	3.0mm x 12 well
SG33-3016	3.0mm x 16 well
SG33-3024	3.0mm x 24 well
SG33-3031*	3.0mm x 31 well
SG33-3034	3.0mm x 34 well
SG33-3050	3.0mm x 50 well
SG33-3060	3.0mm x 60 well
SG33-3063*	3.0mm x 63 well

### Thicker Spacer Sets For 33cm Wide Sequencers

**Cat. #**      **Spacer Dimensions (includes bottom spacer)**

SGS-33-0720	0.75mm x 22cm
SGS-33-0730	0.75mm x 32cm
SGS-33-0740A	0.75mm x 42cm
SGS-33-0750	0.75mm x 52cm
SGS-33-0760	0.75mm x 62cm
SGS-33-0780	0.75mm x 82cm
SGS-33-0710	0.75mm x 102cm
SGS-33-1020	1.0mm x 22cm
SGS-33-1030	1.0mm x 32cm
SGS-33-1040A	1.0mm x 42cm
SGS-33-1050	1.0mm x 52cm
SGS-33-1060	1.0mm x 62cm
SGS-33-1080	1.0mm x 82cm
SGS-33-1010	1.0mm x 102cm
SGS-33-1520	1.5mm x 22cm
SGS-33-1530	1.5mm x 32cm
SGS-33-1540A	1.5mm x 42cm
SGS-33-1550	1.5mm x 52cm
SGS-33-1560	1.5mm x 62cm
SGS-33-1580	1.5mm x 82cm
SGS-33-1510	1.5mm x 102cm
SGS-33-2020	2.0mm x 22cm
SGS-33-2030	2.0mm x 32cm
SGS-33-2040A	2.0mm x 42cm
SGS-33-2050	2.0mm x 52cm
SGS-33-2060	2.0mm x 62cm
SGS-33-2080	2.0mm x 82cm
SGS-33-2010	2.0mm x 102cm
SGS-33-3020	3.0mm x 22cm
SGS-33-3030	3.0mm x 32cm
SGS-33-3040A	3.0mm x 42cm
SGS-33-3050	3.0mm x 52cm
SGS-33-3060	3.0mm x 62cm
SGS-33-3080	3.0mm x 82cm
SGS-33-3010	3.0mm x 102cm

## General Sequencing Accessories

### Bar Clamps (with delrin clamps)

Cat. #	Item
GPC-1000	Bar clamp for 20cm wide sequencer
GPC-2000	Bar clamp for 33cm wide sequencer

### Buffer Drain Options

Cat. #	Item
For 20cm(w) and 33cm(w) sequencing units:	
QDC-B	Quick Disconnect Coupling, Body only
QDC-I	Quick Disconnect Coupling, Insert only
QDC-P	Quick Disconnect Coupling, Body and Insert
BVD-100	Ball Valve

### GEL REPEL™

Cat. #	Item
SGR-0401	Gel Repel™, 4ea 1oz bottles

### GEL SLIDER™ (Sliding Gel Caster)

Cat. #	Size
GSL-1001	Casts glass plates 20cm-38cm (w) x 22cm-42cm (l)
GSL-2001	Casts glass plates 20cm-38cm (w) x 22cm-62cm (l)
DT-20	Drip Tray for 20cm wide glass plates
DT-33	Drip Tray for 33cm wide glass plates

### Gel Sealing Tape

Cat. #	Item
GT-72-10	Gel Sealing Tape, 1" thick x 72 yards:
GT-72-15	Gel Sealing Tape, 1.5" thick x 72 yards:

### Glass Plate Rack

Cat. #	Item
GRH-100B	Glass rack, black. 12-place.

### Glass Plate Separators

Cat. #	Item
WPS-100	Wedge Plate Separators, pair

### Rubber Ears

Cat. #	Item
VFR-1000	Adhesive rubber ears for unnotched glass plate sets

### Silicone Cord Repair Kit

Cat. #	Item
SCK-500	REPAIR KIT, Includes 48" of 3/16" white silicone cord, 1 tube of silicone adhesive with applicator tip, and complete set of instructions. (Replaces older 3/16" red or blue cord as well as current white).
SCK-400	REPAIR KIT, Includes 48" of 5/32" white silicone cord, 1 tube of silicone adhesive with applicator tip, and complete set of instructions. (Replaces older 3/16" red cord as well as current beige).

### White Clamps

Cat. #	Item
GPC-0001-6	Large white clamp, for holding thicker sandwiches together. (Jaws slightly open in resting position). Clamps glass plates to upper reservoir – holds aluminum in place. Package of 6
GPC-0002-6	Large white clamp, for holding thinner sandwiches together. (Jaws together in resting position). For gel casting and holding glass plates together without aluminum. Package of 6
GPC-0004	Large capacity, multi-task white clamps. Package of two.

## Blotting Systems

### ELECTROPHORETIC BLOTTING SYSTEMS

Cat. #	Item
EBU-102	ELECTROPHORETIC BLOTTING SYSTEM- CE, 3-Place. Includes Chamber with internal cooling base, 2 platinum electrode panels, one blotting cassette 21.5cm(h) x 16cm(w), 2 sponge pads, power leads, safety cover.
EBE-102	Replacement Electrode Panel for EBU-102
EBC-102	Additional Gel Cassette for EBU-102
EBS-102	Sponge Pads, package of 2 for EBU-102
EBU-102P	ELECTROPHORETIC BLOTTING SYSTEM- CE Planar electrodes. Includes one gel cassette and chamber with 2 electrode panels, safety cover, power leads.
EBE-102P	Replacement Electrode Panel, Planar (Platinum-Titanium Panel) for EBU-102P
EBE-102P-C	Replacement Cathode for EBE-102P (Stainless Steel Panel)
EBC-102	Additional Gel Cassette for EBU-102P
EBS-102	Sponge Pads, package of 2 for EBU-102P
EBU-222	ELECTROPHORETIC BLOTTING SYSTEM- CE, 2-Place. Fits Large Format Gels up to 20cm(w) x 20cm(h).
	Includes Chamber with internal cooling base, 2 platinum electrode panels, one blotting cassette, 2 sponge pads, power leads, safety cover.
EBC-222	Additional Gel Cassette for EBU-102
EBS-222	Additional Gel Cassette for EBU-102
EBU-422	ELECTROPHORETIC BLOTTING SYSTEM- CE, 2-Place. Fits Large Format Gels up to 20cm(w) x 40cm(h).
	Includes Chamber with internal cooling base, 2 platinum electrode panels, one blotting cassette, 2 sponge pads, power leads, safety cover.
EBC-422	Additional Gel Cassette for EBU-102
EBS-422	Sponge Pads, package of 2 for EBU-102

### MINI-BLOTTING SYSTEMS

Cat. #	Item
EBX-700	MINI-VERTICAL BLOTTING SYSTEM, CE, 4-Place. Includes molded chamber, 4 freezer blocks, 4 blotting cassettes 9.3cm x 9.3cm, 2 platinum electrode panels, 8 sponge pads, safety cover with attached leads.
EBX-BC-700	Accessory Blotting Cassettes, includes foam pad
EBX-SP-700	Accessory Sponge Pad (set of 4)
EBX-FB-700	Accessory Freezer Block
EBE-EA-702	Replacement Anode
EBE-EC-702	Replacement Cathode
EBU-204	MINI-ELECTROPHORETIC BLOTTING SYSTEM- CE 4 gel cassette capacity. Includes electrophoresis chamber with cooling base, 4 each 9cm x 11cm blotting cassettes, platinum electrode panels, safety cover, 8 sponge pads and interlocking power leads.
EBX-BC-700	Accessory Blotting Cassettes, includes foam pad
EBX-SP-700	Accessory Sponge Pad (set of 4)
EBX-EA-700	Replacement Anode
EBX-EC-700	Replacement Cathode

### DOUBLE-WIDE BLOTTING SYSTEMS

Cat. #	Item	
EBU-402	DOUBLE-WIDE MINI-ELECTROPHORETIC BLOTTING SYSTEM- CE 2 gel cassette capacity. Includes electrophoresis chamber with cooling base, one 9cm x 20cm blotting cassette, platinum electrode panels, safety cover, 2 sponge pads and interlocking power leads.	\$583.00
EBC-402	Additional Gel Cassette for EBU-402	
EBS-402	Double-Wide Mini-Sponge Pads, package of 2 for EBU-402	
EBU-102	ELECTROPHORETIC BLOTTING SYSTEM- CE, 3-place see listing above. Fits gels from 16cm(h) x 20cm(w) Double-Wide	

### TRIPLE-WIDE BLOTTING SYSTEMS

Cat. #	Item
EBU-302	TRIPLE-WIDE MINI-ELECTROPHORETIC BLOTTING SYSTEM- CE, 2-place for 10cm(h) x 33 cm (w) 2 gel cassette capacity. Includes electrophoresis chamber with cooling base, one 9cm x 32.8cm blotting cassette, platinum electrode panels, 2 sponge pads, safety cover and interlocking power leads.
EBC-302	Additional Gel Cassette for EBU-302
EBS-302	Triple-Wide Mini-Sponge Pads, package of 2 for EBU-302
EBU-362	TRIPLE-WIDE MINI-ELECTROPHORETIC BLOTTING SYSTEM- CE, 2-place, for 16cm(h) x 33cm(w) 2 gel cassette capacity. Includes electrophoresis chamber with cooling base, one blotting cassette, platinum electrode panels, 2 sponge pads, safety cover and interlocking power leads.
EBC-362	Additional Gel Cassette for EBU-302
EBS-362	Triple-Wide Mini-Sponge Pads, package of 2 for EBU-302

## Semi-Dry Blotting Systems

### SEMI-DRY BLOTTING SYSTEMS

Cat. #	Item
EBU-4000	SEMI-DRY BLOTTER Includes power leads and safety interlock, 20cm x 20cm.
EBU-6000	SEMI-DRY BLOTTER Includes power leads and safety interlock, 35cm x 45cm.
MM-4000	Mylar Mask for EBU-4000, package of 4
MM-6000	Mylar Mask for EBU-6000, package of 4
EBU-4000-NTS	Replacement Nylon screws 1/4", set of 4
EBU-SD-BJ	Replacement Banana jack

### HIGH CURRENT POWER SUPPLY

Cat. #	Item
EPS-200 X	HIGH CURRENT MINI POWER SUPPLY with timer, Universal input power supply accepts all domestic and international voltages. Input: 96 - 240 VAC, 50-60Hz, Output voltage 5-200V in 1V steps, CV or CC. Output current: 10-2000mA in 1mA steps, 200 Watts

## Horizontal Systems

### TEACHING LAB - HORIZONTAL SYSTEMS

Cat. #	Item
TLK-GCMGU-202T	Teaching Lab Promotion includes: <ul style="list-style-type: none"> <li>• 4 Mini Horizontal Units 7.5cm (w) x 10cm (l) with safety cover and extra safe retractable sheath interlocking power leads</li> <li>• Each unit featured tapered baffles for easy gel casting in unit &amp; UV transparent acrylic gel bed</li> <li>• 4 each external gel caster with leveling base.</li> <li>• 8 each UV transparent gel trays with two comb slots</li> <li>• 8 dual-sided adjustable height combs of your choice</li> <li>• 300V Mini Power Supply with timer. True DC output. CV or CC, continuously adjustable 10-300V, 4-500mA 90W.</li> </ul>
TLK-GCMGU-102T	Teaching Lab Promotion includes: <ul style="list-style-type: none"> <li>• 4 Mini Horizontal Units 5.5cm (w) x 8.5cm (l) with safety cover and extra safe retractable sheath interlocking power leads</li> <li>• Each unit featured tapered baffles for easy gel casting in unit &amp; UV transparent acrylic gel bed</li> <li>• 4 each external gel caster with leveling base.</li> <li>• 8 each UV transparent gel trays with two comb slots</li> <li>• 8 dual-sided adjustable height combs of your choice</li> <li>• 300V Mini Power Supply with timer. True DC output. CV or CC, continuously adjustable 10-300V, 4-500mA 90W.</li> </ul>

### MINI-FAST SUB

Cat. #	Item
MGU-303	HORIZONTAL MINI-GEL KIT- CE Gel bed dimensions are 8cm(l) x 10cm(w). Includes UV transparent base, 2 precision fit gel casting dams, 3 combs and 1 gel tray, safety cover with attached power leads
MGU-COMB1	1mm x 4 well comb for MGU-302
MGU-COMB2	1mm x 8 well for comb MGU-302
MGU-COMB3	1mm x 16 well for comb MGU-302
MGU-COMB4	2mm x 4 well comb for MGU-302
MGU-COMB5	2mm x 8 well for comb MGU-302
MGU-COMB6	2mm x 16 well for comb MGU-302
MGU-COMB7	1mm x 20 well for comb MGU-302
MGU-COMB8	2mm x 20 well for comb MGU-302
MCD-300	Additional gel casting dams (set of 2)

# Horizontal Electrophoresis Systems

## HORIZONTAL MINI-GEL UNITS, 5.5cm(w) x 8.5cm(l)

Cat. #	Item
MGU-102T*	HORIZONTAL MINI-GEL KIT- CE With tapered gates. Gel bed dimensions are 5.5cm x 8.5cm. Includes 1 comb and 1 gel tray. Please specify comb catalog # from list below.
GCMGU-102T*	HORIZONTAL MINI-GEL PRODUCTIVITY PACKAGE- CE With tapered gates. Gel bed dimensions are 5.5cm x 8.5cm. Includes 2 dual-sided combs, 2 gel trays and 1 external gel caster with leveling base. Please specify comb catalog # from list below.
MGU-102T-FL	HORIZONTAL MINI-GEL KIT- CE with FLIP LID. 5.5cm x 8.5cm. Includes 1 comb. Please specify comb catalog # from list below.
MGU-152T	HIGH VISIBILITY MINI-HORIZONTAL GEL SYSTEM- CE with tapered gates. Base of unit is red for high contrast of marker dye. Gel bed dimensions are 5.5cm x 8.5cm. Includes winged gel tray, two dual combs, 8/10 well and 12/16 well. Please specify comb thickness from list below.

\*Color Coded Mini -Gel Option: Available for the MGU-102T models. To specify color desired please add the following color code to the end of the catalog number: Y (Yellow), P (Purple), B (Blue), PK (Pink), or G (Green). For example, to specify a green MGU-102T place order for catalog # MGU-102T-G.

## HORIZONTAL MINI-GEL ACCESSORIES for 5.5cm wide units

### Dual Sided Combs (Polycarbonate or Teflon-coated Aluminum\*)

\*To specify teflon-coated aluminum combs add "-TF" to end of cat. #

Cat. #	Comb Dimensions
MGC-10-0810	Dual sided comb 1mm x 8well/10well
MGC-10-1216	Dual sided comb 1mm x 12well/16well
MGC-15-0810	Dual sided comb 1.5mm x 8well/10well
MGC-15-1216	Dual sided comb 1.5mm x 12well/16well
MGC-20-0810	Dual sided comb 2mm x 8well/10well
MGC-20-1216	Dual sided comb 2mm x 12well/16well

### Combs (Polycarbonate or Teflon-coated Aluminum\*)

\*To specify teflon-coated aluminum combs add "-TF" to end of cat. #

Cat. #	Comb Dimensions
MGC-1001	1mm x 1 well
MGC-1003E	1mm x 3 equal wells
MGC-1003M	1mm x 2 well + middle marker
MGC-1008	1mm x 8 well
MGC-1010	1mm x 10 well
MGC-1012	1mm x 12 well
MGC-1014	1mm x 14 well
MGC-1016	1mm x 16 well
MGC-2001	2mm x 1 well
MGC-2003E	2mm x 3 equal wells
MGC-2003M	2mm x 2 well + middle marker
MGC-2008	2mm x 8 well
MGC-2010	2mm x 10 well
MGC-2012	2mm x 12 well
MGC-2014	2mm x 14 well
MGC-2016	2mm x 16 well

### Mini-Gel Trays (UV Transparent)

Cat. #	Description	
MGT-122	Gel tray for MGU-102T, 2 slots for 2 comb positions	\$19.0
WGT-5585	Winged gel tray, 5.5cm x 8.5cm	

### Mini-Horizontal Gel Casters

NOTE: Additional gel trays must be ordered separately. The MGT-100, MGT-122 and the WGT-5585 all fit into the following Gel Casters.

Cat. #	Item
GCT-101	Gel Caster for MGU-102T, fits 1 gel tray
GCT-103	Gel Caster for MGU-102T, fits 3 gel trays
GCT-106	Gel Caster for MGU-102T, fits 6 gel trays

### Replacement Baffles

Cat. #	Description
Baffles-102T-B	Replacement baffles- set of two

## HORIZONTAL MINI-GEL UNITS, 7.5cm(w) x 10cm(l)

Cat. #	Item
MGU-202T*	HORIZONTAL MINI-GEL KIT- CE With tapered gates. Gel bed dimensions are 7.5cm(w) x 10cm(l). Includes 1 comb. Please specify comb catalog # from list below.
GCMGU-202T*	HORIZONTAL MINI-GEL PRODUCTIVITY PACKAGE- CE With tapered gates. Gel bed dimensions are 7.5cm x 10cm. Includes 2 dual-sided combs, 2 gel trays and 1 external gel caster with leveling base. Please specify comb catalog # from list below.
MGU-202T-FL	HORIZONTAL MINI-GEL KIT- CE with FLIP LID. 7.5cm(w) x 10cm(l). Includes 1 comb. Please specify comb catalog # from list below.
MGU-252T	HIGH VISIBILITY MINI-HORIZONTAL GEL SYSTEM- CE with tapered gates. Gel bed dimensions are 7.5cm(w) x 10cm(l). Includes winged gel tray, two dual combs, 8/16 well and 10/14 well. Please specify comb thickness from list below.
SGE-7510-6	SIX PLACE MINI-GEL SYSTEM- CE System accomodates six 7.5cm(w) x 10cm(l). gel trays in a single unit. Includes 6 gel trays, 6 dual-sided 1.0mm x 10/14 well combs, 6 place gel caster, gel tray mount, safety cover with attached power leads.

\*Color Coded Mini -Gel Option: Available for the MGU-202T model. To specify color desired please add the following color code to the end of the catalog number: Y (Yellow), P (Purple), B (Blue), PK (Pink), or G (Green). For example, to specify a green MGU-202T place order for catalog # MGU-202T-G.

## HORIZONTAL MINI-GEL ACCESSORIES for 7.5cm wide units

### Dual Sided Combs (Polycarbonate or Teflon-coated Aluminum\*)

\* To specify teflon-coated aluminum combs add "-TF" to end of cat. #

Cat. #	Comb Dimensions
MHC-10-1014	Dual sided comb 1mm x 10well/14well
MHC-10-0816	Dual sided comb 1mm x 8well/16well
MHC-15-1014	Dual sided comb 1.5mm x 10well/14well
MHC-15-0816	Dual sided comb 1.5mm x 8well/16well
MHC-20-1014	Dual sided comb 2mm x 10well/14well
MHC-20-0816	Dual sided comb 2mm x 8well/16well

### Combs (Polycarbonate or Teflon-coated Aluminum\*)

\* To specify teflon-coated aluminum combs add "-TF" to end of cat. #.

Cat. #	Comb Dimensions
MHC-1001	1mm x 1 well
MHC-1003E	1mm x 3 equal wells
MHC-1003M	1mm x 2 well + middle marker
MHC-1005	1mm x 5 well
MHC-1008	1mm x 8 well
MHC-1010	1mm x 10 well
MHC-1012	1mm x 12 well
MHC-1014	1mm x 14 well
MHC-1016	1mm x 16 well
MHC-2001	2mm x 1 well
MHC-2003E	2mm x 3 equal wells
MHC-2003M	2mm x 2 well + middle marker
MHC-2005	2mm x 5 well
MHC-2008	2mm x 8 well
MHC-2010	2mm x 10 well
MHC-2012	2mm x 12 well
MHC-2014	2mm x 14 well
MHC-2016	2mm x 16 well

### Mini-Gel Trays (UV Transparent)

Cat. #	Description
MGT-222	Gel tray for MGU-202T, 2 slots for 2 comb positions
WGT-7510	Winged gel tray, 7.5cm x 10cm

### Mini-Horizontal Gel Casters

NOTE: Additional gel trays must be ordered separately. The MGT-200, MGT-222 and the WGT-7510 all fit into the following Gel Casters

Cat. #	Item
GCT-201	Gel Caster for MGU-202T, fits 1 gel tray
GCT-203	Gel Caster for MGU-202T, fits 3 gel trays
GCT-206	Gel Caster for MGU-202T, fits 6 gel trays

### Replacement Baffles

Cat. #	Description
Baffles-102T-B	Replacement baffles- set of two

# Horizontal Midi-Gel Kits & Accessories

## HORIZONTAL MIDI-GEL KITS

Cat. #	Item
MGU-402T	HORIZONTAL MIDI-GEL KIT- CE With tapered gates. Gel bed dimensions are 10.5cm(w) x 11cm(l). Includes UVT gel tray, gel comb, and safety cover. Please specify comb catalog # from list below.
GCMGU-402T*	HORIZONTAL MIDI-GEL PRODUCTIVITY PACKAGE- CE With tapered gates. Gel bed dimensions are 10.5cm x 11cm. Includes 2 combs, 2 gel trays and 1 external gel caster with leveling base. Please specify comb catalog # from list below.
MGU-402T-FL	HORIZONTAL MIDI-GEL KIT- CE with FLIP LID. 10.5cm(w) x 11cm(l). Includes UVT gel tray, gel comb, and safety cover. Please specify comb catalog # from list below.
MGU-502T	DOUBLE-WIDE MIDI-GEL KIT- CE With tapered gates. Gel bed dimensions are 14cm(w) x 10(l)cm. Includes UVT gel tray, gel comb, and safety cover. Please specify comb catalog # from list below.
GCMGU-502T*	HORIZONTAL MINI-GEL PRODUCTIVITY PACKAGE- CE With tapered gates. Gel bed dimensions are 14cm x 10cm. Includes 2 combs, 2 gel trays and 1 external gel caster with leveling base. Please specify comb catalog # from list below.
MGU-502T-FL	DOUBLE-WIDE MIDI-GEL KIT- CE with FLIP LID. 14cm(w) x 10(l)cm. Includes UVT gel tray, gel comb, and safety cover. Please specify comb catalog # from list below.
WMGE-600	FLEXICAST MIDI-HORIZONTAL "3 IN 1" MINI-GEL KIT- CE Gel bed dimensions are 14cm(w) x 16cm(l). Includes 2 adjustable height combs, 3 different winged gels trays (14cm(w) x 8cm, 14cm(w) x 12cm, 14cm(w) x 16cm), safety cover with attached power leads, and Continuously adjustable gel caster.
MGU-602T	HORIZONTAL MIDI-GEL KIT- CE With tapered gates. Gel bed dimensions are 14cm(w) x 16cm(l). Includes UVT gel tray, gel comb, and safety cover. Please specify comb catalog # from list below.
GCMGU-602T*	HORIZONTAL MINI-GEL PRODUCTIVITY PACKAGE- CE With tapered gates. Gel bed dimensions are 14cm x 16cm. Includes 2 combs, 2 gel trays and 1 external gel caster with leveling base. Please specify comb catalog # from list below.
MGU-602T-FL	HORIZONTAL MIDI-GEL KIT- CE with FLIP LID. 14cm(w) x 16cm(l). Includes UVT gel tray, gel comb, and safety cover. Please specify comb catalog # from list below.
MGU-602-2	HORIZONTAL MIDI-GEL STACKER -CE, accommodates 2 ea 14cm(w) x 16cm(l) gel trays for multiple runs. Includes 2ea 4-slot UVT gel tray (3.1cm/slot), 4ea combs, 2 place gel caster. Please specify comb catalog # from list below.

### Color Coded Midi-Gel Option:

Available for the MGU-402T, MGU-502T and MGU-602T models. To specify color desired please add the following color code to the end of the catalog number:  
Y (Yellow), P (Purple), PK (Pink), or G (Green).  
For example, to specify a green MGU-402T please order for catalog # MGU-402T-G.

## FLEXICAST MIDI-GEL SYSTEM, 14cm(w) x 16cm(l)

Cat. #	Item
WMGE-600	FLEXICAST MIDI-HORIZONTAL "3 IN 1" MINI-GEL KIT- CE Gel bed dimensions are 14cm(w) x 16cm(l). Includes 2 adjustable height combs, 3 different winged gels trays (14cm(w) x 8cm, 14cm(w) x 12cm, 14cm(w) x 16cm), safety cover with attached power leads, and Continuously adjustable gel caster.

## MIDI-GEL ACCESSORIES

### MGU-402T Combs (Polycarbonate or Teflon-coated Aluminum\*)

\* Designed for multi-channel pipettor loading. \*\*To specify teflon-coated aluminum combs add "-TF" to end of cat. #

Cat. #	Comb Dimensions
MBU-1005	1.0mm x 5 well
MBU-1010*	1.0mm x 10 well
MBU-1012	1.0mm x 12 well
MBU-1018	1.0mm x 18 well
MBU-1505	1.5mm x 5 well
MBU-1510*	1.5mm x 10 well
MBU-1512	1.5mm x 12 well
MBU-1518	1.5mm x 18 well

### Midi-Gel Trays (UV Transparent)

Cat. #	Description
MGT-400	Gel tray for MGU-402T, 2 slots for 2 comb positions
MGT-500	Gel tray for MGU-502T, 2 slots for 2 comb positions
MGT-600	Gel tray for MGU-602T, 4 slots for 4 comb positions

### MGU-502T and MGU-602T & WMGE-600 Combs (Polycarbonate or Teflon-coated Aluminum\*\*)

\* Designed for multi-channel pipettor loading. Includes adjustable backing which fits into gel tray.

\*\*To specify teflon-coated aluminum combs add "-TF" to end of cat. #

Cat. #	Comb Dimensions
SGC14-1001	1.0mm x 1 well
SGC14-1003E	1.0mm x 3 equal wells
SGC14-1003M	1.0mm x 2 well + middle marker
SGC14-1005	1.0mm x 5 well
SGC14-1008	1.0mm x 8 well
SGC14-1010	1.0mm x 10 well
SGC14-1012	1.0mm x 12 well
SGC14-1013*	1.0mm x 13 well
SGC14-1016	1.0mm x 16 well
SGC14-1020	1.0mm x 20 well
SGC14-1026	1.0mm x 26 well
SGC14-1027*	1.0mm x 27 well
SGC14-1501	1.5mm x 1 well
SGC14-1503E	1.5mm x 3 equal wells
SGC14-1503M	1.5mm x 2 well + middle marker
SGC14-1505	1.5mm x 5 well
SGC14-1508	1.5mm x 8 well
SGC14-1510	1.5mm x 10 well
SGC14-1512	1.5mm x 12 well
SGC14-1513*	1.5mm x 13 well
SGC14-1516	1.5mm x 16 well
SGC14-1520	1.5mm x 20 well
SGC14-1526	1.5mm x 26 well
SGC14-1527*	1.5mm x 27 well
SGC14-2001	2.0mm x 1 well
SGC14-2003E	2.0mm x 3 equal wells
SGC14-2003M	2.0mm x 2 well + middle marker
SGC14-2005	2.0mm x 5 well
SGC14-2008	2.0mm x 8 well
SGC14-2010	2.0mm x 10 well
SGC14-2012	2.0mm x 12 well
SGC14-2013*	2.0mm x 13 well
SGC14-2016	2.0mm x 16 well
SGC14-2020	2.0mm x 20 well
SGC14-2026	2.0mm x 26 well
SGC14-2027*	2.0mm x 27 well
SGC14-3001	3.0mm x 1 well
SGC14-3003E	3.0mm x 3 equal wells
SGC14-3003M	3.0mm x 2 well + middle marker
SGC14-3005	3.0mm x 5 well
SGC14-3008	3.0mm x 8 well
SGC14-3010	3.0mm x 10 well
SGC14-3012	3.0mm x 12 well
SGC14-3013*	3.0mm x 13 well
SGC14-3016	3.0mm x 16 well
SGC14-3020	3.0mm x 20 well
SGC14-3026	3.0mm x 26 well
SGC14-3027*	3.0mm x 27 well

### Horizontal Gel Casters for Horizontal Midi-Gels NOTE: Additional gel trays must be ordered separately.

Cat. #	Item
AGCT-16518	Continuously Adjustable Gel Caster fits gel tray sizes with these limits: ≤16cm(w) and 5cm - 18cm (l)
AGCT-21826	Continuously Adjustable Gel Caster fits gel tray sizes with these limits: ≤21cm(w) and 8cm - 26cm (l)
AGCT-16518	Continuously Adjustable Gel Caster fits gel tray sizes with these limits: ≤27cm(w) and 9cm - 40cm (l)
GCT-10-111	Gel Caster for MGU-402T, fits 1 tray
GCT-10-112	Gel Caster for MGU-402T, fits 2 trays
GCT-14-101	Gel Caster for MGU-502T, fits 1 tray
GCT-14-102	Gel Caster for MGU-502T, fits 2 trays
GCT-14-161	Gel Caster for MGU-602T, fits 1 tray
GCT-14-162	Gel Caster for MGU-602T, fits 2 trays

# Horizontals, 14cm(w) and 20cm(w)

## ECONO-SUBMARINE GEL KITS

*Includes interlocking power leads.*

Cat. #	Item
SGE-014-02	ECONO-SUBMARINE GEL KIT, 14cm wide, CE. Gel bed dimensions 14cm x 20cm. Includes gel tray and 1 gel comb. Please specify comb cat. # from combs listed in Accessories for 14cm wide units.
GCSGE-014-02	ECONO-SUBMARINE PRODUCTIVITY PACKAGE, CE 14cm wide. Gel bed dimensions 14cm x 20cm. Includes 2 gel trays 2 gel combs and external gel caster. Please specify comb cat. #'s from combs listed under Accessories for 14cm wide units.
SGE-020-02	ECONO-SUBMARINE GEL KIT, 20cm wide, CE. Gel bed dimensions 20cm x 20cm. Includes gel tray and 1 gel comb. Please specify comb cat. # from combs listed in Accessories for 20cm wide units.
GCSGE-020-02	ECONO-SUBMARINE PRODUCTIVITY PACKAGE, CE Gel bed dimensions 20cm(w) x 20cm. Includes 2 gel trays, 2 gel combs and external gel caster. Please specify comb cat. #'s from combs listed under Accessories for 20cm wide units.
SGE-030-02	ECONO-SUBMARINE GEL KIT, 20cm wide, CE. Gel bed dimensions 20cm(w) x 30cm. Includes gel tray and 1 gel comb. Please specify comb cat. # from combs listed in Accessories for 20cm wide units.
GCSGE-030-02	ECONO-SUBMARINE PRODUCTIVITY PACKAGE, CE Gel bed dimensions 20cm(w) x 30cm. Includes 2 gel trays, 2 gel combs and external gel caster. Please specify comb cat. #'s from combs listed under Accessories for 20cm wide units.
SGE-040-02	ECONO-SUBMARINE GEL KIT, 20cm wide, CE. Gel bed dimensions 20cm(w) x 40cm. Includes gel tray and 1 gel comb. Please specify comb cat. # from combs listed in Accessories for 20cm wide units.
GCSGE-040-02	ECONO-SUBMARINE PRODUCTIVITY PACKAGE, CE Gel bed dimensions 20cm(w) x 40cm. Includes 2 gel trays, 2 gel combs and external gel caster. Please specify comb cat. #'s from combs listed under Accessories for 20cm wide units.

## "T" SUBMARINE/HORIZONTAL GEL KITS

*Includes tapered gates and interlocking power leads.*

Cat. #	Item
SGU-014T-02	SUBMARINE/HORIZONTAL GEL KIT, 14cm wide, CE. Gel bed dimensions 14cm x 20cm. Includes gel tray and 1 gel comb. Please specify comb cat. # from combs listed in Accessories for 14cm wide units.
GCSGU-014T-02	SUBMARINE/HORIZONTAL PRODUCTIVITY PACKAGE, CE Gel bed dimensions 14cm(w) x 20cm. Includes 2 gel trays, 2 gel combs and external gel caster. Please specify comb cat. # from combs listed under Accessories for 14cm wide units.
SGU-020T-02	SUBMARINE/HORIZONTAL GEL KIT, 20cm wide, CE. Gel bed dimensions 20cm x 20cm. Includes gel tray and 1 gel comb. Please specify comb cat. # from combs listed in Accessories for 20cm wide units.
GCSGU-020T-02	SUBMARINE/HORIZONTAL PRODUCTIVITY PACKAGE, CE Gel bed dimensions 20cm(w) x 20cm. Includes 2 gel trays, 2 gel combs and external gel caster. Please specify comb cat. # from combs listed under Accessories for 20cm wide units.
SGU-030T-02	SUBMARINE/HORIZONTAL GEL KIT, 20cm wide, CE. Gel bed dimensions 20cm x 30cm. Includes gel tray and 1 gel comb. Please specify comb cat. # from combs listed in Accessories for 20cm wide units.
GCSGU-030T-02	SUBMARINE/HORIZONTAL PRODUCTIVITY PACKAGE, CE Gel bed dimensions 20cm(w) x 30cm. Includes 2 gel trays, 2 gel combs and external gel caster. Please specify comb cat. # from combs listed under Accessories for 20cm wide units.
SGU-040T-02	SUBMARINE/HORIZONTAL GEL KIT, 20cm wide, CE. Gel bed dimensions 20cm x 40cm. Includes gel tray and 1 gel comb. Please specify comb cat. # from combs listed in Accessories for 20cm wide units.
GCSGU-040T-02	SUBMARINE/HORIZONTAL PRODUCTIVITY PACKAGE, CE Gel bed dimensions 20cm(w) x 40cm. Includes 2 gel trays, 2 gel combs and external gel caster. Please specify comb cat. # from combs listed under Accessories for 20cm wide units.

## FLEXICAST SYSTEM, 14cm(w) x 20cm(l)

Cat. #	Item
WSGE-014	FLEXICAST HORIZONTAL "4 IN 1" KIT- CE Gel bed dimensions are 14cm(w) x 20cm(l). Includes internal cooling chamber, buffer circulation ports, 2 adjustable height combs, 4 different winged gels trays (14cm(w) x 8cm, 14cm(w) x 12cm, 14cm(w) x 16cm, and 14cm(w) x 20cm(l), safety cover with attached power leads, and Continuously adjustable gel caster

## ACCESSORIES

**Horizontal Gel Casters for Standard Horizontals** *NOTE: Additional gel trays must be ordered separately.*

Cat. #	Item
AGCT-16520	Continuously Adjustable Gel Caster fits gel tray sizes with these limits: ≤16cm(w) and 5cm - 20cm (l)
AGCT-21826	Continuously Adjustable Gel Caster fits gel tray sizes with these limits: ≤21cm(w) and 8cm - 26cm (l)
AGCT-27940	Continuously Adjustable Gel Caster fits gel tray sizes with these limits: ≤27cm(w) and 9cm - 40cm (l)
GCT-14-201	Gel Caster for SGU, SGE-014-02 units, fits 1 tray
GCT-14-202	Gel Caster for SGU, SGE-014-02 units, fits 2 trays
GCT-20-201	Gel Caster for SGU, SGE-020-02 units, fits 1 tray
GCT-20-202	Gel Caster for SGU, SGE-020-02 units, fits 2 trays
GCT-20-301	Gel Caster for SGU, SGE-030-02 units, fits 1 tray
GCT-20-302	Gel Caster for SGU, SGE-030-02 units, fits 2 trays
GCT-20-401	Gel Caster for SGU, SGE-040-02 units, fits 1 tray
GCT-20-402	Gel Caster for SGU, SGE-040-02 units, fits 2 trays

**Gel Comb Bridge** *Needed only when pouring gel directly in unit without tray.*

Cat. #	Item
GCB-1400	Bridge for 14cm wide units
GCB-2000	Bridge for 20cm wide units

### Additional Gel Trays (UV Transparent)

Cat. #	Tray Dimensions
SGT-014	14cm x 20cm (6 slots). Pathlength of 2.6cm/slot
SGT-020	20cm x 20cm (6 slots). Pathlength of 2.6cm/slot
SGT-030	20cm x 30cm (8 slots). Pathlength of 2.7cm/slot
SGT-040	20cm x 40cm (12 slots). Pathlength of 2.7cm/slot

### Gel Scoop

Cat. #	Scoop Dimensions
GS-1400	14cm x 20cm
GS-2000	20cm x 20cm
GS-3000	20cm x 30cm
GS-4000	20cm x 40cm

### Gel Tray Divider Bar

Cat. #	Item
GTD-1400	Gel Tray Divider Bar, 14 cm wide Available for the 14cm wide SGU and SGE unit
GTD-2000	Gel Tray Divider Bar, 20 cm wide Available for the 20cm wide SGU and SGE units

**Combs for 14cm wide units, SGE-014-02 and SGU-014T-02 (Polycarbonate or Teflon-coated Aluminum\*\*)** *Includes adjustable backing which fits into gel tray. \* Designed for multi-channel pipettor loading.*

*\*\*To specify teflon-coated aluminum combs add "-TF" to end of cat. #*

Cat. #	Comb Dimensions
SGC14-1001	1.0mm x 1 well
SGC14-1003E	1.0mm x 3 equal wells
SGC14-1003M	1.0mm x 2 well + middle marker
SGC14-1005	1.0mm x 5 well
SGC14-1008	1.0mm x 8 well
SGC14-1010	1.0mm x 10 well
SGC14-1012	1.0mm x 12 well
SGC14-1013*	1.0mm x 13 well
SGC14-1016	1.0mm x 16 well
SGC14-1020	1.0mm x 20 well
SGC14-1026	1.0mm x 26 well
SGC14-1027*	1.0mm x 27 well
SGC14-1501	1.5mm x 1 well
SGC14-1503E	1.5mm x 3 equal wells
SGC14-1503M	1.5mm x 2 well + middle marker
SGC14-1505	1.5mm x 5 well
SGC14-1508	1.5mm x 8 well
SGC14-1510	1.5mm x 10 well
SGC14-1512	1.5mm x 12 well
SGC14-1513*	1.5mm x 13 well
SGC14-1516	1.5mm x 16 well

# Horizontal Combs, con't.

SGC14-1520	1.5mm x 20 well
SGC14-1526	1.5mm x 26 well
SGC14-1527*	1.5mm x 27 well
SGC14-2001	2.0mm x 1 well
SGC14-2003E	2.0mm x 3 equal wells
SGC14-2003M	2.0mm x 2 well + middle marker
SGC14-2005	2.0mm x 5 well
SGC14-2008	2.0mm x 8 well
SGC14-2010	2.0mm x 10 well
SGC14-2012	2.0mm x 12 well
SGC14-2013*	2.0mm x 13 well
SGC14-2016	2.0mm x 16 well
SGC14-2020	2.0mm x 20 well
SGC14-2026	2.0mm x 26 well
SGC14-2027*	2.0mm x 27 well
SGC14-3001	3.0mm x 1 well
SGC14-3003E	3.0mm x 3 equal wells
SGC14-3003M	3.0mm x 2 well + middle marker
SGC14-3005	3.0mm x 5 well
SGC14-3008	3.0mm x 8 well
SGC14-3010	3.0mm x 10 well
SGC14-3012	3.0mm x 12 well
SGC14-3013*	3.0mm x 13 well
SGC14-3016	3.0mm x 16 well
SGC14-3020	3.0mm x 20 well
SGC14-3026	3.0mm x 26 well
SGC14-3027*	3.0mm x 27 well

### Combs for 20cm Wide units (Polycarbonate or Teflon-coated Aluminum\*\*)

Includes adjustable backing which fits into gel tray. \*Designed for multi-channel pipettor loading.

\*\*To specify teflon-coated aluminum combs add "-TF" to end of cat. #

Cat. #	Comb Dimensions
SGC20-1001	1.0mm x 1 well
SGC20-1003E	1.0mm x 3 equal wells
SGC20-1003M	1.0mm x 2 well + middle marker
SGC20-1005	1.0mm x 5 well
SGC20-1008	1.0mm x 8 well
SGC20-1012	1.0mm x 12 well
SGC20-1016	1.0mm x 16 well
SGC20-1020*	1.0mm x 20 well
SGC20-1030	1.0mm x 30 well
SGC20-1040*	1.0mm x 40 well
SGC20-1501	1.5mm x 1 well
SGC20-1503E	1.5mm x 3 equal wells
SGC20-1503M	1.5mm x 2 well + middle marker
SGC20-1505	1.5mm x 5 well
SGC20-1508	1.5mm x 8 well
SGC20-1512	1.5mm x 12 well
SGC20-1516	1.5mm x 16 well
SGC20-1520*	1.5mm x 20 well
SGC20-1530	1.5mm x 30 well
SGC20-1540*	1.5mm x 40 well
SGC20-2001	2.0mm x 1 well
SGC20-2003E	2.0mm x 3 equal wells
SGC20-2003M	2.0mm x 2 well + middle marker
SGC20-2005	2.0mm x 5 well
SGC20-2008	2.0mm x 8 well
SGC20-2012	2.0mm x 12 well
SGC20-2016	2.0mm x 16 well
SGC20-2020*	2.0mm x 20 well
SGC20-2030	2.0mm x 30 well
SGC20-2040*	2.0mm x 40 well
SGC20-3001	3.0mm x 1 well
SGC20-3003E	3.0mm x 3 equal wells
SGC20-3003M	3.0mm x 2 well + middle marker
SGC20-3005	3.0mm x 5 well
SGC20-3008	3.0mm x 8 well
SGC20-3012	3.0mm x 12 well
SGC20-3016	3.0mm x 16 well
SGC20-3020*	3.0mm x 20 well
SGC20-3030	3.0mm x 30 well
SGC20-3040*	3.0mm x 40 well

# High-Throughput, 26cm(w)

## HIGH-THROUGHPUT SUBMARINE for SAMPLE SCREENING

Cat. #	Item
SGU-2614T-02	HIGH-THROUGHPUT SUBMARINE SYSTEM, CE. Gel bed dimensions are 26cm x 14cm. Includes safety cover with attached power leads, UVT gel tray, and 4 gel combs. Specify comb catalog # from list below.
SGU-2626T-02	HIGH-THROUGHPUT SUBMARINE SYSTEM, CE. Gel bed dimensions are 26cm x 26cm. Includes safety cover with attached power leads, UVT gel tray, and 4 gel combs. Specify comb catalog # from list below.
SGU-2640T-02	HIGH-THROUGHPUT SUBMARINE SYSTEM, CE. Gel bed dimensions are 26cm x 40cm. Includes safety cover with attached power leads, UVT gel tray, and 4 gel combs. Specify comb catalog # from list below.

## ACCESSORIES

High-Throughput Submarine Combs, with Adjustable Backing (Polycarbonate or Teflon-coated Aluminum\*) All High-Throughput combs are designed for multi-channel pipettor loading.

\*To specify teflon-coated aluminum combs add "-TF" to end of cat. #

Cat. #	Comb Dimensions
SGC26-0725-1MA	0.75mm x 25 well w/marker, 8-channel compatible
SGC26-0725-1MB	0.75mm x 25 well w/marker, 12-channel compatible
SGC26-0726	0.75mm x 26 well, 8- & 12-channel compatible
SGC26-0727-3M	0.75mm x 27 well w/marker, 12-channel compatible
SGC26-0728-4M	0.75mm x 28 well w/marker, 8-channel compatible
SGC26-0751	0.75mm x 51 well, 8- & 12-channel compatible
SGC26-07102	0.75mm x 102 well, 8- & 12-channel compatible
SGC26-1025-1MA	1.0mm x 25 well w/marker, 8-channel compatible
SGC26-1025-1MB	1.0mm x 25 well w/marker, 12-channel compatible
SGC26-1026	1.0mm x 26 well, 8- & 12-channel compatible
SGC26-1027-3M	1.0mm x 27 well w/marker, 12-channel compatible
SGC26-1028-4M	1.0mm x 28 well w/marker, 8-channel compatible
SGC26-1051	1.0mm x 51 well, 8- & 12-channel compatible
SGC26-10102	1.0mm x 102 well, 8- & 12-channel compatible
SGC26-1525-1MA	1.5mm x 25 well w/marker, 8-channel compatible
SGC26-1525-1MB	1.5mm x 25 well w/marker, 12-channel compatible
SGC26-1526	1.5mm x 26 well, 8- & 12-channel compatible
SGC26-1527-3M	1.5mm x 27 well w/marker, 12-channel compatible
SGC26-1528-4M	1.5mm x 28 well w/marker, 8-channel compatible
SGC26-1551	1.5mm x 51 well, 8- & 12-channel compatible
SGC26-15102	1.5mm x 102 well, 8- & 12-channel compatible
SGC26-2025-1MA	2.0mm x 25 well w/marker, 8-channel compatible
SGC26-2025-1MB	2.0mm x 25 well w/marker, 12-channel compatible
SGC26-2026	2.0mm x 26 well, 8- & 12-channel compatible
SGC26-2027-3M	2.0mm x 27 well w/marker, 12-channel compatible
SGC26-2028-4M	2.0mm x 28 well w/marker, 8-channel compatible
SGC26-2051	2.0mm x 51 well, 8- & 12-channel compatible
SGC26-20102	2.0mm x 102 well, 8- & 12-channel compatible

### High-Throughput Submarine Gel Trays

Cat. #	Gel Tray Dimensions
SGT-2614	26cm x 14cm UVT gel Tray, 5 slots. Pathlength of 2.5cm/slot.
SGT-2626	26cm x 26cm UVT gel tray, 8 slots. Pathlength of 2.5cm/slot
SGT-2640	26cm x 40cm UVT gel tray, 8 slots. Pathlength of 4.25cm/slot

### High-Throughput Submarine Gel Casters NOTE: Additional gel trays must be ordered separately.

Cat. #	Gel Tray Dimensions
AGCT-16520	Continuously Adjustable Gel Caster fits gel tray sizes with these limits: ≤16cm(w) and 5cm - 20cm (l)
AGCT-21826	Continuously Adjustable Gel Caster fits gel tray sizes with these limits: ≤21cm(w) and 8cm - 26cm (l)
AGCT-27940	Continuously Adjustable Gel Caster fits gel tray sizes with these limits: ≤27cm(w) and 9cm - 40cm (l)
GCT-26-141	Gel Caster for SGU-2614T-02, fits 1 tray
GCT-26-142	Gel Caster for SGU-2614T-02, fits 2 trays
GCT-26-261	Gel Caster for SGU-2626T-02, fits 1 tray
GCT-26-262	Gel Caster for SGU-2626T-02, fits 2 trays
GCT-26-401	Gel Caster for SGU-2640T-02, fits 1 tray
GCT-26-402	Gel Caster for SGU-2640T-02, fits 2 trays

# Mutation Detection, DGGE & TGGE

## CIPHER DGGE SYSTEMS (Denaturing Gradient Gel

### Electrophoresis)

Cat. #	Item
DGGE-1001-110 *	CIPHER DGGE SYSTEM, 110V, 1 Dual Cassette, (2 place)
DGGE-1001-220 *	CIPHER DGGE SYSTEM, 220V, 1 Dual Cassette, (2 place) Gel size 17.7cm (w) x 22cm (l). Includes Electrophoresis tank, 1 dual cassette, heater/stirrer/buffer cyler, gradient maker, 4 combs (2 each 1 well and 2 each 20 well combs), 4 sets of spacers (2 sets for vertical DGGE and 2 sets for perpendicular DGGE), 2 glass plate sets, 4 pieces gel wrap gasket, 12 each #2 clamps, and 18 each #1 clamps, glass safety cover, buffer siphon pump, power leads, and thermometer. Please specify thickness of combs and spacers.
DGGEK-1001-110	CIPHER DGGE SYSTEM KIT, 110V, 1 Dual Cassette, (2 place) Kit includes complete system as described above, EPS-300X Power Supply & MPP-100 mini-peristaltic pump
DGGEK-1001-220	CIPHER DGGE SYSTEM KIT, 220V, 1 Dual Cassette, (2 place) Kit includes complete system as described above, EPS-300X Power Supply & MPP-100 mini-peristaltic pump
DGGE-2001-110 *	CIPHER DGGE SYSTEM, 110V, 2 Single cassettes (2 place)
DGGE-2001-220 *	CIPHER DGGE SYSTEM, 220V, 2 Single cassettes (2 place) Gel size 17.7cm (w) x 22cm (l). Includes Electrophoresis tank, 2 single cassettes, heater/stirrer/buffer cyler, gradient maker, 4 combs (2 each 1 well and 2 each 20 well combs), 4 sets of spacers (2 sets for vertical DGGE and 2 sets for perpendicular DGGE), 2 glass plate sets, 4 pieces gel wrap gasket, 12 each #2 clamps, and 18 each #1 clamps, glass safety cover, buffer siphon pump, power leads, and thermometer. Please specify thickness of combs and spacers.
DGGEK-2001-110	CIPHER DGGE KIT, 110V, 2 Single cassettes (2 place) Kit includes complete system as described above, EPS-300X Power Supply & MPP-100 mini-peristaltic pump
DGGEK-2001-220	CIPHER DGGE KIT, 220V, 2 Single cassettes (2 place) Kit includes complete system as described above, EPS-300X Power Supply & MPP-100 mini-peristaltic pump
DGGE-2401-110 *	CIPHER DGGE SYSTEM, 110V 2 Dual Cassettes. (4 place)
DGGE-2401-220 *	CIPHER DGGE SYSTEM, 220V, 2 Dual Cassettes. (4 place) Gel size 17.7cm (w) x 22cm (l). Includes Electrophoresis tank, 2 dual cassettes, heater/stirrer/buffer cyler, gradient maker, 8 combs (4 each 1 well and 4 each 20 well combs), 8 sets of spacers (4 sets for vertical DGGE and 4 sets for perpendicular DGGE), 4 glass plates sets, 8 pieces gel wrap gasket, 24 each #2 clamps and 36 each #1 clamps, glass safety cover, buffer siphon pump, power leads, and thermometer. Please specify thickness of combs and spacers.
DGGEK-2401-110	CIPHER DGGE KIT, 110V, 2 Dual Cassettes. (4 place) Kit includes complete system as described above, EPS-300X Power Supply & MPP-100 mini-peristaltic pump
DGGEK-2401-220	CIPHER DGGE KIT, 220V, 2 Dual Cassettes. (4 place) Kit includes complete system as described above, EPS-300X Power Supply & MPP-100 mini-peristaltic pump
DGGE-4001-110 *	CIPHER DGGE SYSTEM, 110V, 4 Single Cassettes. (4 place)
DGGE-4001-220 *	CIPHER DGGE SYSTEM, 220V, 4 Single Cassettes. (4 place) Gel size 17.7cm (w) x 22cm (l). Includes Electrophoresis tank, 4 single cassettes, heater/stirrer/buffer cyler, gradient maker, 8 combs (4 each 1 well and 4 each 20 well combs), 8 sets of spacers (4 sets for vertical DGGE and 4 sets for perpendicular DGGE), 4 glass plates sets, 8 pieces gel wrap gasket, 24 each #2 clamps and 36 each #1 clamps, glass safety cover, buffer siphon pump, power leads, and thermometer. Please specify thickness of combs and spacers.
DGGEK-4001-110	CIPHER DGGE KIT, 110V, 4 Single Cassettes (4 place) Kit includes complete system as described above, EPS-300X Power Supply & MPP-100 mini-peristaltic pump
DGGEK-4001-220	CIPHER DGGE KIT, 220V, 4 Single Cassettes (4 place) Kit includes complete system as described above, EPS-300X Power Supply & MPP-100 mini-peristaltic pump
DGGE-4801-110 *	CIPHER DGGE SYSTEM, 110V, 4 Dual Cassettes (8 place)
DGGE-4801-220 *	CIPHER DGGE SYSTEM, 220V, 4 Dual Cassettes (8 place) Gel size 17.7cm (w) x 22cm (l). Includes Electrophoresis tank, 4 dual cassettes, heater/stirrer/buffer cyler, gradient maker, 16 combs (8 each 1 well and 8 each 20 well combs), 16 sets of spacers (8 sets for vertical DGGE and 8 sets for perpendicular DGGE), 8 glass plates sets, 16 pieces gel wrap gasket, 48 each #2 clamps and 72 each #1 clamps, glass safety cover, buffer siphon pump, power leads, gel tape, and thermometer. Please specify thickness of combs and spacers.
DGGEK-4801-110	CIPHER DGGE KIT, 110V, 4 Dual Cassettes (8 place) Kit includes complete system as described above, EPS-300X Power Supply & MPP-100 mini-peristaltic pump
DGGEK-4801-220	CIPHER DGGE KIT, 220V, 4 Dual Cassettes (8 place) Kit includes complete system as described above, EPS-300X Power Supply & MPP-100 mini-peristaltic pump

## CIPHER TTGE SYSTEMS (Temporal Temperature Gradient Gel

### Electrophoresis)

Cat. #	Item
TTGEK-2001-110	CIPHER TTGE KIT, 110V, 2 Single Cassettes (2 place). Gel size 17.7cm (w) x 22cm (l). Kit includes complete system as described above, EPS-300X Power Supply & MPP-100 mini-peristaltic pump, Electrophoresis tank, 2 single cassettes, heater/stirrer/buffer cyler with temperature ramping capability, gradient maker, 4 combs (2 each 1 well and 2 each 16 well combs), 4 sets of spacers (2 sets for vertical DGGE & TTGE and 2 sets for perpendicular DGGE), 2 glass plate sets, 4 pieces gel wrap gasket, 12 each #2 clamps, and 18 each #1 clamps, glass safety cover, buffer siphon pump, and power leads. Please specify thickness of combs and spacers.
TTGEK-2001-220	CIPHER TTGE KIT, 220V, 2 Single Cassettes, (2 place). Gel size 17.7cm (w) x 22cm (l). Kit includes complete system as described above, EPS-300X Power Supply & MPP-100-220 mini-peristaltic pump, Electrophoresis tank, 2 single cassettes, heater/stirrer/buffer cyler with temperature ramping capability, gradient maker, 4 combs (2 each 1 well and 2 each 16 well combs), 4 sets of spacers (2 sets for vertical DGGE & TTGE and 2 sets for perpendicular DGGE), 2 glass plate sets, 4 pieces gel wrap gasket, 12 each #2 clamps, and 18 each #1 clamps, glass safety cover, buffer siphon pump, and power leads. Please specify thickness of combs and spacers.
TTGEK-2401-110	CIPHER TGGE KIT, 110V, 2 Dual Cassettes, (4 place). Gel size 17.7cm (w) x 22cm (l). Kit includes EPS-300X Power Supply, MPP-100 mini-peristaltic pump, Electrophoresis tank, 2 dual cassettes, heater/stirrer/buffer cyler with temperature ramping capability, gradient maker, 8 combs (4 each 1 well and 4 each 16 well combs), 8 sets of spacers (4 sets for vertical DGGE & TTGE and 4 sets for perpendicular DGGE), 4 glass plate sets, 8 pieces gel wrap gasket, 24 each #2 clamps, and 32 each #1 clamps, glass safety cover, buffer siphon pump, and power leads. Please specify thickness of combs and spacers.
TTGEK-2401-220	CIPHER TGGE KIT, 220V, 2 Dual Cassettes, (4 place). Gel size 17.7cm (w) x 22cm (l). Kit includes EPS-300X Power Supply & MPP-100-220 mini-peristaltic pump, Electrophoresis tank, 2 dual cassettes, heater/stirrer/buffer cyler with temperature ramping capability, gradient maker, 8 combs (4 each 1 well and 4 each 16 well combs), 8 sets of spacers (4 sets for vertical DGGE & TTGE and 4 sets for perpendicular DGGE), 4 glass plate sets, 8 pieces gel wrap gasket, 24 each #2 clamps, and 32 each #1 clamps, glass safety cover, buffer siphon pump, and power leads. Please specify thickness of combs and spacers.

## CIPHER GENETIC ANALYSIS SYSTEM

Cat. #	Item
DTSK-2001-110	CIPHER GENETIC ANALYSIS SYSTEM, 220V, 2 Single Cassettes, (2 place), 110V. Gel Size 17.7cm (w) x 22cm (l). Kit Includes Electrophoresis tank, EPS-300X Power Supply, mini-peristaltic pump, 2 single cassettes, heater/stirrer/buffer cyler with temperature ramping capability, gradient maker, 4 combs (2 each 1 well and 2 each 16 well combs), 4 sets of spacers (2 sets for vertical DGGE & TTGE and 2 sets for perpendicular DGGE), 2 glass plate sets, 4 pieces gel wrap gasket, 12 each #2 clamps, and 18 each #1 clamps, glass safety cover, buffer siphon pump, power leads and cooling coil. Please specify thickness of combs and spacers.
DTSK-2001-220	CIPHER GENETIC ANALYSIS SYSTEM, 2 Single Cassettes, 220V (2 place). Kit includes complete system as described above, 220V.
DTSK-2401-110	CIPHER GENETIC ANALYSIS SYSTEM, 220V, 2 Dual Cassettes, (4-place). Gel Size 17.7cm (w) x 22cm (l). Kit Includes Electrophoresis tank, EPS-300X Power Supply, mini-peristaltic pump, 2 dual cassettes, heater/stirrer/buffer cyler with temperature ramping capability, gradient maker, 8 combs (4 each 1 well and 4 each 16 well combs), 8 sets of spacers (4 sets for vertical DGGE & TTGE and 4 sets for perpendicular DGGE), 4 glass plate sets, 8 pieces gel wrap gasket, 24 each #2 clamps, and 32 each #1 clamps, glass safety cover, buffer siphon pump, power leads and cooling coil. Please specify thickness of combs and spacers.
DTSK-2401-220	CIPHER GENETIC ANALYSIS SYSTEM, 2 Dual Cassettes, 220V. (4 place), Kit includes complete system as described above, 220V

\* **NOTE:** C.B.S. Scientific recommends using the EPS-300X High voltage power supply. Other power supplies which have different types of ground fault detections circuits may not function properly.

# ACCESSORIES FOR CIPHER SYSTEMS DGGE, TTGE & DTS

## RECTANGULAR COMBS FOR VERTICAL DGGE/TTGE/DTS SYSTEM (TEFLON)

*Designed for multi-channel pipettor loading.*

Cat. #	Spacer Dimensions
VGC-0701-177	0.75mm x 1 well
VGC-0702-177	0.75mm x 2 well
VGC-0703E-177	0.75mm x 3 equal wells
VGC-0703M-177	0.75mm x 2 well + middle marker
VGC-0704-177	0.75mm x 4 well
VGC-0705-177	0.75mm x 5 well
VGC-0706-177	0.75mm x 6 well
VGC-0708-177	0.75mm x 8 well
VGC-0710-177	0.75mm x 10 well
VGC-0712-177	0.75mm x 12 well
VGC-0714-177	0.75mm x 14 well
VGC-0715-177*	0.75mm x 15 well
VGC-0716-177	0.75mm x 16 well
VGC-0720-177	0.75mm x 20 well
VGC-0729-177*	0.75mm x 29 well
VGC-0730-177	0.75mm x 30 well
VGC-1001-177	1.0mm x 1 well
VGC-1002-177	1.0mm x 2 well
VGC-1003E-177	1.0mm x 3 equal wells
VGC-1003M-177	1.0mm x 2 well + middle marker
VGC-1004-177	1.0mm x 4 well
VGC-1005-177	1.0mm x 5 well
VGC-1006-177	1.0mm x 6 well
VGC-1008-177	1.0mm x 8 well
VGC-1010-177	1.0mm x 10 well
VGC-1012-177	1.0mm x 12 well
VGC-1014-177	1.0mm x 14 well
VGC-1015-177*	1.0mm x 15 well
VGC-1016-177	1.0mm x 16 well
VGC-1020-177	1.0mm x 20 well
VGC-1029-177*	1.0mm x 29 well
VGC-1030-177	1.0mm x 30 well
VGC-1501-177	1.5mm x 1 well
VGC-1502-177	1.5mm x 2 well
VGC-1503E-177	1.5mm x 3 equal wells
VGC-1503M-177	1.5mm x 2 well + middle marker
VGC-1504-177	1.5mm x 4 well
VGC-1505-177	1.5mm x 5 well
VGC-1506-177	1.5mm x 6 well
VGC-1508-177	1.5mm x 8 well
VGC-1510-177	1.5mm x 10 well
VGC-1512-177	1.5mm x 12 well
VGC-1514-177	1.5mm x 14 well
VGC-1515-177*	1.5mm x 15 well
VGC-1516-177	1.5mm x 16 well
VGC-1520-177	1.5mm x 20 well
VGC-1529-177*	1.5mm x 29 well
VGC-1530-177	1.5mm x 30 well
VGC-2001-177	2.0mm x 1 well
VGC-2002-177	2.0mm x 2 well
VGC-2003E-177	2.0mm x 3 equal wells
VGC-2003M-177	2.0mm x 2 well + middle marker
VGC-2004-177	2.0mm x 4 well
VGC-2005-177	2.0mm x 5 well
VGC-2006-177	2.0mm x 6 well
VGC-2008-177	2.0mm x 8 well
VGC-2010-177	2.0mm x 10 well
VGC-2012-177	2.0mm x 12 well
VGC-2014-177	2.0mm x 14 well
VGC-2015-177*	2.0mm x 15 well
VGC-2016-177	2.0mm x 16 well
VGC-2020-177	2.0mm x 20 well
VGC-2029-177*	2.0mm x 29 well
VGC-2030-177	2.0mm x 30 well

## SPACER SETS, VERTICAL DGGE/TTGE

Spacer Sets made from Heat resistant polycarbonate.

Cat. #	Spacer Dimensions
VGS-0720R-177	0.75mm x 22cm
VGS-1020R-177	1.0mm x 22cm
VGS-1520R-177	1.5mm x 22cm
VGS-2020R-177	2.0mm x 22cm

## COMBS FOR PERPENDICULAR DGGE/TTGE

Cat. #	Comb Description
VGC-0701-177	0.75mm x 1 well
VGC-1001-177	1.0mm x 1 well
VGC-1501-177	1.5mm x 1 well
VGC-2001-177	2.0mm x 1 well

## SPACER SETS FOR PERPENDICULAR DGGE/TTGE

Spacer sets made from heat resistant polycarbonate include: 1 standard spacer & 1 spacer with injection port.

Cat. #	Spacer Dimensions
VGS0720RC-177	0.75mm x 22cm
VGS1020RC-177	1.0mm x 22cm
VGS1520RC-177	1.5mm x 22cm
VGS2020RC-177	2.0mm x 22cm

## WHITE CLAMPS

Cat. #	Item
GPC-0001-177	White clamp for holding glass plates andwich to upper reservoir. (Jaws slightly open in resting position).
GPC-0002-177	White clamp for gel casting. (Jaws closed in resting position).

## DGGE/TTGE GLASS PLATE SETS, NOTCHED 1/8" back plate with rounded corners.

Cat. #	Glass Plate Dimensions
NGP-17720-NR	17.7cm(w) x 22cm(h), 1 set
NGP-17720-NR-LFP	17.7cm(w) x 22cm(h) Borosilicate, 1 set

## GEL CASSETTES

Cat. #	Item
DGC-177-201	Additional Single Gel Cassette
DDGC-177-201	Additional Dual Gel Cassette

## GEL WRAP GASKET®

Cat. #	Spacer Thickness x Plate Height
VGE-0720-177	0.75mm x 22cm
VGE-1020-177	1.0mm x 22cm
VGE-1520-177	1.5mm x 22cm
VGE-2020-177	2.0mm x 22cm

## BULK GEL WRAP GASKET®

Cat. #	Gel Thickness
VGE-07XX	0.75mm thick - yellow
VGE-10XX	1.0mm thick - red
VGE-15XX	1.5mm thick - blue
VGE-20XX	2.0mm thick - purple
VGE-30XX	3.0mm thick - purple

## MULTIPLE GEL CASTING CHAMBERS & ACCESSORIES FOR VERTICAL DGGE/TTGE/DTS SYSTEM

Casting Chambers must be ordered with glass plate sets and spacers listed directly below. Inquire about discounts on bulk glass plate, comb and spacer orders.

Cat. #	Item
GCC-404-177	MULTIPLE VERTICAL GEL CASTING CHAMBERS Casts up to 4 gels simultaneously. Order "Multit-Caster" glass plates and spacers listed directly below.
GCC-410-177	MULTIPLE VERTICAL GEL CASTING CHAMBERS Casts up to 10 gels simultaneously. Order "Multit-Caster" glass plates and spacers listed directly below.

## Multiple Gel Casting Chamber Glass Plate Sets, notched

1/8" back plate with square corners

Cat. #	Glass Plate Dimensions
NGP-17720-N	17.7cm (w) x 22cm (h), 1 set
NGP-17720-N-LPF	17.7cm (w) x 22cm (h), Borosilicate, 1 set

## Multiple Gel Casting Chamber Spacer Sets

(2 Sides With Square Corners, No Bottom Spacer)

Cat. #	Spacer Dimensions
VGS-0720C-177	0.75mm x 22m
VGS-1020C-177	1.0mm x 220cm
VGS-1520C-177	1.5mm x 22cm
VGS-2020C-177	2.0mm x 22cm

## MINI-PERISTALTIC PUMPS

Cat. #	Item
MPP-100	MINI PERISTALTIC PUMP, Variable flow mini-pump, 110V
MPP-100-220	MINI PERISTALTIC PUMP, Variable flow mini-pump, 220V

## POWER SUPPLIES

Cat. #	Item
EPS-300 X	MINI POWER SUPPLY with timer, CV or CC 96-240 VAC, 50-60 Hz, CE. Output 10-300V, Constant Voltage. current 4-500mA, 90 Watts.

# PCR Workstations

## OPTIMIZER PCR WORKSTATIONS™

Cat. #	Item
P-030-02	OPTIMIZER PCR WORKSTATION™ CE, Single UV light and single door closure. Dimensions are 24" x 24" x 30". Includes Formica working surface, hinged glass face shield, two fluorescent lights, one UV light, integral 12 hour timer and 110V duplex outlet.
P-030-202	OPTIMIZER PCR WORKSTATION™ CE, Dual UV light and single door closure. Dimensions are 24" x 24" x 30". Includes Formica working surface, hinged glass face shield, two fluorescent lights, two UV lights, integral 12 hour timer and 110V duplex outlet.
P-036-02	OPTIMIZER PCR WORKSTATION™ CE, Single UV light and single door closure. Dimensions are 24" x 24" x 36". Includes Formica working surface, hinged glass face shield, two fluorescent lights, one UV light, integral 12 hour timer and 110V duplex outlet.
P-036-202	OPTIMIZER PCR WORKSTATION™ CE, Dual UV light and single door closure. Dimensions are 24" x 24" x 36". Includes Formica working surface, hinged glass face shield, two fluorescent lights, two UV lights, integral 12 hour timer and 110V duplex outlet.
P-048-02	OPTIMIZER PCR WORKSTATION™ CE, Single UV light and double door closure. Dimensions are 24" x 24" x 48". Includes Formica working surface, hinged glass face shield, two fluorescent lights, one UV light, integral 12 hour timer and 110V duplex outlet.
P-048-202	OPTIMIZER PCR WORKSTATION™ CE, Dual UV light and double door closure. Dimensions are 24" x 24" x 48". Includes Formica working surface, hinged glass face shield, two fluorescent lights, two UV lights, integral 12 hour timer and 110V duplex outlet.

\*NOTE: does not include shipping and crating charges. Please call for an estimate.

## ACCESSORIES FOR PCR WORKSTATION®

Cat. #	Item
IL-030	SAFETY INTERLOCK FOR P-030, factory installed interlock automatically shuts off UV light when the hood is opened.
IL-036	SAFETY INTERLOCK FOR P-036, factory installed interlock automatically shuts off UV light when the hood is opened.
IL-048	SAFETY INTERLOCK FOR P-048, factory installed interlock automatically shuts off UV light when the hood is opened.
T-030-28	WORKSTATION TABLE, 28" high for PCR Workstation® P-030. White-top, steel frame powder-coated table with foot rest and leveling feet.
T-030-36	WORKSTATION TABLE, 36" high for PCR Workstation® P-030. White-top, steel frame powder-coated table with foot rest and leveling feet.
T-036-28	WORKSTATION TABLE, 28" high for PCR Workstation® P-036. White-top, steel frame powder-coated table with foot rest and leveling feet.
T-036-36	WORKSTATION TABLE, 36" high for PCR Workstation® P-036. White-top, steel frame powder-coated table with foot rest and leveling feet.
T-048-28	WORKSTATION TABLE, 28" high for PCR Workstation® P-048. White-top, steel frame powder-coated table with foot rest and leveling feet.
T-048-36	WORKSTATION TABLE, 36" high for PCR Workstation® P-048. White-top, steel frame powder-coated table with foot rest and leveling feet.
TC-400	TABLE CASTERS, set of 4. Locking swivel casters.
PR-048-4L	PIPET RACK, 4 TIER (Pipets are lifted out from the left)
PR-048-4R	PIPET RACK, 4 TIER (Pipets are lifted out from the right)
CWB-F20T12CW	Replacement Fluorescent Cool White Bulb for P-030 or P-036
CWB-F30T12CW	Replacement Fluorescent Cool White Bulb for P-048
CWB-F17T8	Replacement Fluorescent Cool White Bulb for P-030 or P-036, 0.94" diameter
CWB-F25T8	Replacement Fluorescent Cool White Bulb for P-048, 0.94" diameter
GB-G15T8	Replacement Germicidal Bulb for P-030 or P-036
GB-G30T8	Replacement Germicidal Bulb for P-048
TCV	Vacuum Valve
TCG	Gas Valve
TAH	Access holes with plugs (for tubing feed-through)
P-Timer-12	replacement 12 hour UV timer
P-Ocular	Customized ocular fitting for microscope.

# Power Supplies

## ELECTROPHORESIS POWER SUPPLIES

Cat. #	Item
EPS-200 X	HIGH CURRENT MINI POWER SUPPLY with timer, Universal input power supply accepts all domestic and international voltages. Input: 96 - 240 VAC, 50-60Hz, Output voltage 5-200V in 1V steps, CV or CC. Output current: 10-2000mA in 1mA steps, 200 Watts
EPS-300 X	MINI POWER SUPPLY with timer, CV or CC Universal input power supply accepts all domestic and international voltages. 96-240 VAC, 50-60 Hz, CE. Output 10-300V, Constant Voltage, current 4-500mA, 90 Watts.
EPS-600	MINI POWER SUPPLY with timer, CV or CC Input: 96-240VAC, 50-60Hz, CE. Universal input power supply accepts all domestic and international voltages. Output 10-600VDC in 1V steps, 4-500mA in 1mA steps, 90 W maximum.
EPS-3000-II	HIGH VOLTAGE PROGRAMMABLE POWER SUPPLY 0-3000V, 50/60Hz, 115V
EPS-3000-IV	HIGH VOLTAGE PROGRAMMABLE POWER SUPPLY 0-3000V, 50/60Hz, 230V
PSA-3809	PERMANENT ADAPTER FOR DEEP SOCKET POWER SUPPLY
BIO-ADAPT	ADAPTER FOR DEEP SOCKET POWER SUPPLY

## Hunter Peptide Mapping HUNTER THIN LAYER PEPTIDE MAPPING ELECTROPHORESIS SYSTEM

Cat. #	Item
HTLE-7002	HUNTER THIN LAYER PEPTIDE MAPPING ELECTROPHORESIS SYSTEM, CE System includes coolant flow cut-off interlock valve and in-line air pressure regulator with gauge
HTLE-APEI	Air pressure electric interlock switch, factory mounted

## ACCESSORIES FOR HTLE SYSTEM

Cat. #	Item
HTLE-AB	Additional Air Bag
HTLE-FS	Replacement Coolant Flow Cut Off Valve
HTLE-IAPR	In-line Air Pressure Regulator
TLC-2020	Thin Layer Cellulose plates (EM Science), Pkg. of 25
PTL-7000	Polyethylene sheets (6 per package)
LCT-100	Large Chromatography Tank (includes crating charge)
80-1	Chromatography Tank 2-place Includes tank, lid, and stainless steel rack.
80-31	Chromatography Tank 2-place. Includes tank, latch-lid, stainless steel rack.
90-1	Storage Rack for TLC plates. Stainless steel, holds up to 10 plates.

# Pore Gradient

## PORE GRADIENT LIPOPROTEIN SYSTEM

Cat. #	Item
LPE-4003	PGGE PORE-GRADIENT LIPOPROTEIN ELECTROPHORESIS SYSTEM. (4-PLACE). Includes: Base reservoir/cooling coil/buffer pump, upper reservoir with 4-place gel slot silicone gasket, 4ea sample loaders, safety cover with electrical interlock and 3 gel slot plugs.
LPE-4003-220	PGGE PORE-GRADIENT LIPOPROTEIN ELECTROPHORESIS SYSTEM, 220 Volt (4-PLACE). Includes: Base reservoir/cooling coil/buffer pump, upper reservoir with 4-place gel slot silicone gasket, 4ea sample loaders, safety cover with electrical interlock and 3 gel slot plugs.
LPE-gels-4/30	4/30 ALAMO POLYACRYLAMIDE GRADIENT GEL (non-denaturing). Pkg. of 8, minimum order 2 packages.
LPE-gels-2/31	2/31 ALAMO POLYACRYLAMIDE GRADIENT GEL (non-denaturing). Pkg. of 8, minimum order 2 packages.
LPE-gels-2/16	2/16 ALAMO POLYACRYLAMIDE GRADIENT GEL (non-denaturing). Pkg. of 8, minimum order 2 packages.
LPE-SL12	SAMPLE APPLICATOR, 12 wells.
LPE-SL13	SAMPLE APPLICATOR, 13 wells.
LPE-SL18	SAMPLE APPLICATOR, 18 wells.
LGP-028	LPE GLASS PLATE SET, 82mm(h) x 82mm(l)
LPS-028	SPACER SET, 2.8mm

# Electro-Eluter/Concentrator

## ELECTRO-ELUTER/CONCENTRATORS

Cat. #	Item
ECU-040-20	ELECTRO-ELUTER/CONCENTRATOR Includes four 2.0ml Blocks.
ECU-040-50	ELECTRO-ELUTER/CONCENTRATOR includes four 5.0ml Blocks.
ECU-040-25	ELECTRO-ELUTER/CONCENTRATOR includes two 2.0ml Blocks, and two 5.0 Blocks.
ECB-102	Additional 2.0ml ELUTER/CONCENTRATOR BLOCKS.
ECB-105	Additional 5.0ml ELUTER/CONCENTRATOR BLOCKS.
ECB-105W	Additional 5.0ml washer
ECB-102W	Additional 2.0ml washer
ECB-105C	Additional 5.0ml cap
ECB-102C	Additional 2.0ml cap

# Autoradiography

## AUTORADIOGRAPHY SUPPLIES INTENSIFYING SCREEN

**Bio-Speed:** Equivalent to Dupont Cronex® "Lighting Plus." 25% faster than Bio-Plus. Used when speed is a critical factor. Loss of detail is negligible.

Cat. #	Size	
SQZ-0576	5 x 7 in. (13 x 18cm)	Pkg. of 2
SQZ-0578	8 x 10 in. (20 x 25cm)	Pkg. of 2
SQZ-0581	14 x 17 in. (35 x 43cm)	Pkg. of 2

**Bio-Plus:** Equivalent to Dupont Cronex® "Hi-Plus." A fast speed screen ideal for general radiography.

Cat. #	Size	
SQZ-6112	5 x 7 in. (13 x 18 cm)	Pkg. of 2
SQZ-6118	8 x 10 in. (20 x 25cm)	Pkg. of 2
SQZ-6131	14 x 17 in. (35 x 43cm)	Pkg. of 2

# Lab Equipment

## GRADIENT MAKERS, LINEAR

Cat. #	Item
GM-20	GRADIENT MAKER, 10ml per side, with side outlet
GM-40	GRADIENT MAKER, 20ml per side, with side outlet
GM-100	GRADIENT MAKER, 50ml per side, with side outlet
GM-150	GRADIENT MAKER, 75ml per side, with side outlet
GM-200	GRADIENT MAKER, 100ml per side, with side outlet
GM-500	GRADIENT MAKER, 250ml per side, with side outlet
GM-1000	GRADIENT MAKER, 500ml per side, with side outlet
GM-2000	GRADIENT MAKER, 1000ml per side, with side outlet
GMCK-100	GRADIENT MAKER TUBING ADAPTER KIT

## MINI-PERISTALTIC PUMP

Cat. #	Item
MPP-100	MINI-PERISTALTIC PUMP, Variable flow mini-pump, 110V
MPP-100-220	MINI-PERISTALTIC PUMP, Variable flow mini-pump, 220V

## TISSUE CULTURE EQUIPMENT

Cat. #	Item
M-624	INCUBATOR CULTURE CHAMBER, 6 shelves
M-624-S	ADDITIONAL ALUMINUM SHELVES, pair with feet
M-312	INCUBATOR CULTURE CHAMBER, 3 shelves
M-312-S	ADDITIONAL ALUMINUM SHELF, Anodized
PR-048-4L	TISSUE CULTURE HOOD PIPET RACK, 4 TIER (Pipets are lifted out from the left)
PR-048-4R	TISSUE CULTURE HOOD PIPET RACK, 4 TIER (Pipets are lifted out from the right)

## RADIOIODINATION HOOD

Cat. #	Item
IH-024	RADIOIODINATION HOOD 24"(w) x 21"(d) x 20"(h) with high volume blower and 1 activated charcoal filter.
ICF-100	Replacement Activated Charcoal Filter
SF-100	Air Sampler, contains activated coconut charcoal

# LABORATORY RACKS

Cat. #	Item
GFC-120	FREEZER RACK Freezer Storage unit for fraction collection racks. 12 compartments
GTR-080	80-PLACE RACK, holds 1.5ml microfuge tubes. Available in green, yellow, red & natural.
GTR-096	96-PLACE FLIP RACK, holds either 1.5ml or 0.5ml microfuge tubes. Available in green, yellow, red, blue & natural.
FZB-109	Freezebee™, for use in standard ice bucket

## QUICKTRAP™

Cat. #	Item
QT-100-2	2 Liter QUICKTRAP™ System for aspiration of standard, radioactive or pathogenic supernatants. System includes tubing, connectors, back-flow filter, polyethylene bottle liquid storage containers (replaces glass) in an external acrylic container for radiation shielding.
QT-100-5	5 Liter QUICKTRAP™ System. Includes same as above.
QT-5VC	Filling-Venting cap for large bottle, nalgene
QT-5BTL	Large bottle, 5 liter, Nalgene
QT-1VC	Filling-Venting cap for small bottle, Nalgene
QT-1BTL	Small bottle, 1 liter, Nalgene
QT-Tubing	PVC Tubing 1/4"ID x 1/2" OD
QT-Filter	In-line filter PTFE, 0.2 microns, Nalgene
QT-QDC	All plastic 1/4" quick disconnects

# Radiation Safety

## BETA RADIATION SAFETY EQUIPMENT

\* Standard radiation shields are fabricated from 1/2" acrylic. Thicker shields of 3/4" or 1" acrylic are available upon request.

Cat. #	Item
RA-012	12-Place Eppendorf Tube Rack with Lid, 4 1/2"(h) x 5 1/4"(w) x 3 1/16"(d)
RA-024	24-Place Eppendorf Tube Rack with Lid, 2 3/8"(h) x 5 3/16"(w) x 3 3/8"(d)
LA-015	Single 15ml Conical Tube Holder - Pricing on request
LA-050	Single 50ml Conical Tube Holder- Pricing on request
RA-100-2	Single Radiation Stock Solution Storage, Hinged Lid, 5 7/8"(h) x 4 1/16"(w) x 3 7/16"(d)
RA-415	4-Place Shield for 15ml Conical Tubes, 2"(h) x 3 1/2"(w) x 3 1/2"(d)
RA-450	4-Place Shield for 50ml Conical Tubes, 2"(h) x 3 1/2"(w) x 3 1/2"(d)
RA-815	8-Place Shield for 15ml Conical Tubes, 2"(h) x 3 1/2"(w) x 6"(d)
RA-850	8-Place Shield for 50ml Conical Tubes, 2"(h) x 3 1/2"(w) x 6"(d)
RB-100	Mini Bench-top Waste Receptacle with Hinged Lid, 7"(h) x 5"(w) x 5"(d)
RC-100	Radiation Shield, 2 1/4"(h) x 12"(w) x 12"(d)
RD-100	Radiation Shield, 15"(h) x 14"(w) x 9"(d)
RD-200	Radiation Shield, 15"(h) x 14"(w) x 10"(d)
RE-100	Radiation Shield, 20 1/2"(h) x 18"(w) x 10"(d)
RF-100	Floor Waste Receptacle with Hinged Lid, 29"(h) x 13 1/2"(w) x 13 1/2"(d)
RF-100-IB	Cardboard insert box, fits in RF-100
RF-200	Large Capacity Radioactive Waste Container, 31"(h) x 18"(w) x 19"(d)
RG-100	Bench-top Waste Receptacle with Hinged Lid, 12"(h) x 8"(w) x 8"(d)
RG-200	Bench-top Waste Receptacle with Hinged Lid, 7"(h) x 10"(w) x 13"(d)
RK-080	Microfuge Tube Rack with Lid, 2"(h) x 9"(w) x 2 5/8"(d)
RL-024B	Personal Carrier Shield, 1/2" thick
RV-100	Radiation Shield, 9"(h) x 11"(w) x 9"(d)
RR-050	Tube Receptacle for 50ml conical tubes

Note: Leaded and lead lined shields also available. Please .

## RADIATION SAFETY EQUIPMENT OPTIONS:

Cat #	Item	
"-BLH"	Brass Locking Hardware	"-QAL"
Quick Access Lid		"-C"
Casters		

\*Add appropriate suffix to Cat # of equipment (i.e. RA-100-PLH specifies a Single Radiation Stock Solution storage unit with plastic locking hardware).

# CUSTOM ORDERING INFORMATION

To place a quotation for customized combs, glass plates, spacers, radiation shields, or enclosures, please complete the following information charts. All custom equipment must be fully described in order to give an accurate quotation.

## CUSTOM RECTANGULAR COMBS (Refer to figure 1)

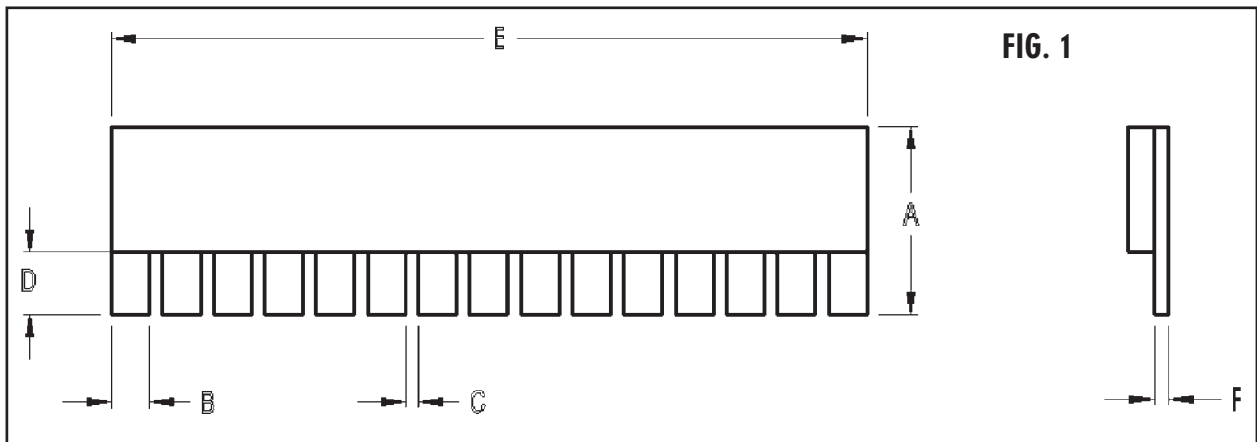
Type of apparatus: \_\_\_\_\_

Type of material: (e.g. Teflon, Polycarbonate, Styrene, Delrin, Aluminum, PVC, other) \_\_\_\_\_

A) Overall comb height: \_\_\_\_\_ D) Height of tooth: \_\_\_\_\_

B) Width of tooth: \_\_\_\_\_ E) Overall length of comb: \_\_\_\_\_

C) Space between teeth: \_\_\_\_\_ F) Thickness of comb: \_\_\_\_\_



## CUSTOM SHARKTOOTH COMBS (Refer to figure 2)

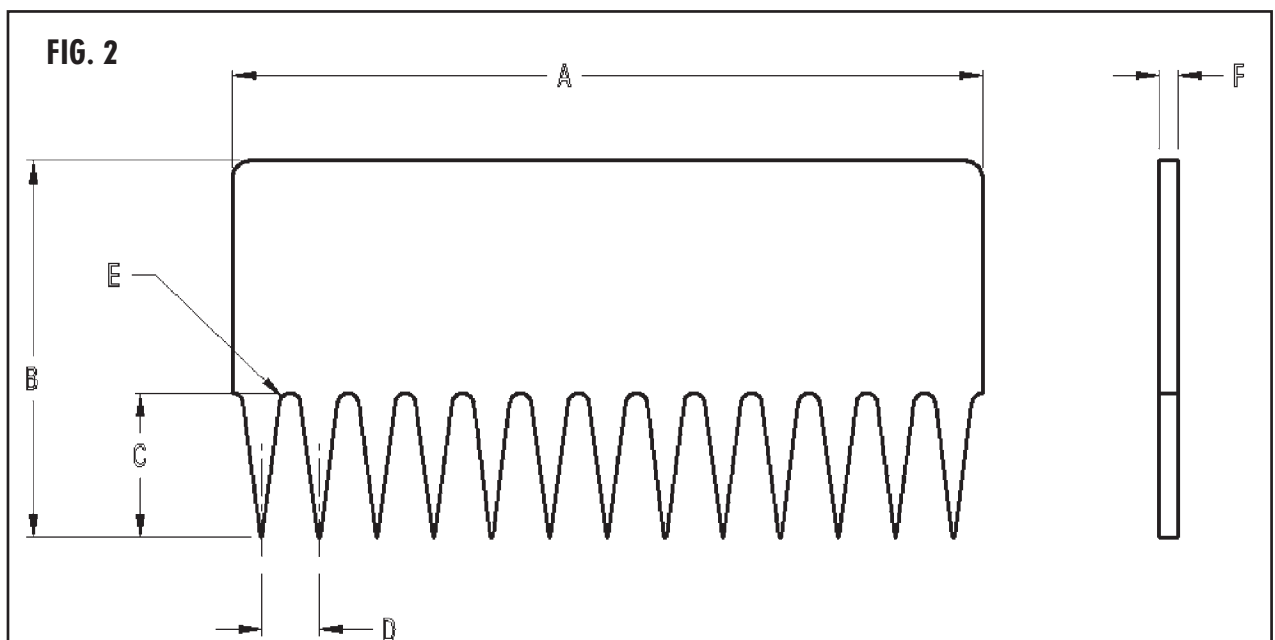
Type of apparatus: (Manufacturer//model #) \_\_\_\_\_

Material requested: (e.g. Teflon, Polycarbonate, Styrene, Delrin, Aluminum, PVC, other) \_\_\_\_\_

A) Overall comb width: \_\_\_\_\_ D) Point to Point measurement: \_\_\_\_\_

B) Overall comb height: \_\_\_\_\_ E) Radius: \_\_\_\_\_

C) Height of tooth: \_\_\_\_\_ F) Thickness of comb: \_\_\_\_\_



### CUSTOM GLASS PLATES (Refer to figure 3)

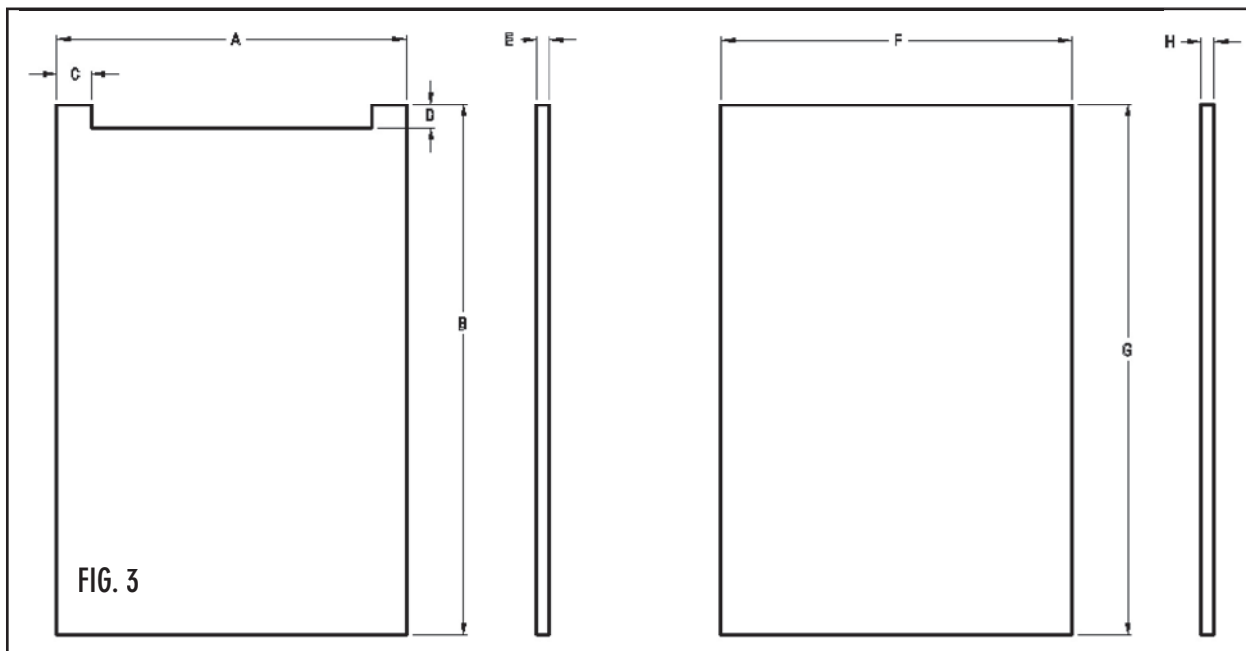
C.B.S. Scientific offers glass plates in 4 thicknesses: 1/4" (6mm), 3/16" (4mm), 1/8" (3mm), and 1/16" (1.5mm). The standard rectangular back plates for vertical slab gels are 1/8" thick. The standard back plate for sequencing gels is 3/16" thick. Standard notched plates for slab gels and sequencing gels are 3/16" thick.

#### Notched Glass Plate Measurements

- A) Overall width of plate: \_\_\_\_\_
- B) Height of notched plate: \_\_\_\_\_
- C) Width of ear: \_\_\_\_\_
- D) Height of ear: \_\_\_\_\_
- E) Thickness of glass plate: \_\_\_\_\_

#### Rectangular Glass Plate Measurements

- F) Width of glass plate : \_\_\_\_\_
- G) Height of plate: \_\_\_\_\_
- H) Thickness of glass plate: \_\_\_\_\_

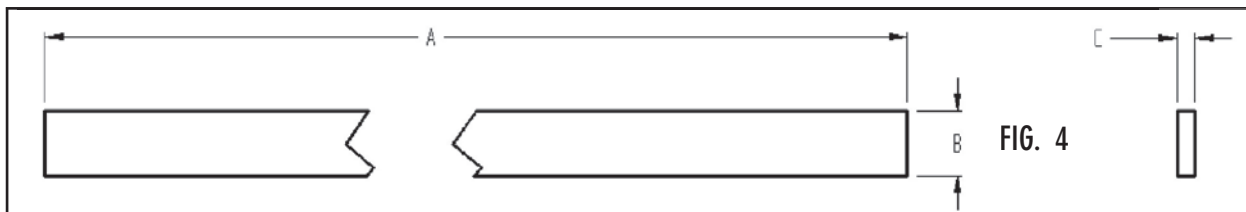


### CUSTOM SPACERS (Refer to figure 4)

Type of apparatus: (Manufacturer//model #) \_\_\_\_\_

Material requested: (e.g. Teflon, Polycarbonate, Styrene, Delrin, Aluminum, PVC, other) \_\_\_\_\_

- A) Length of spacer: \_\_\_\_\_
- B) Width of spacer: \_\_\_\_\_
- C) Thickness: \_\_\_\_\_



### CUSTOM RADIATION SHIELDS

Standard radiation shields can be ordered in custom sizes. You may also design your own radiation shield. Please provide a diagram and list exact dimensions of shield.

### CUSTOM SQUARE OR RECTANGULAR ENCLOSURES

Please provide us with a diagram of the enclosure. Be sure to specify:

- A) Dimensions: Width, height, depth, thickness, interior dimensions, outside dimensions.
- B) Optional Features: Hinged lid, hinged lid with latches for lock, feet, handles, access holes, casters, inserts, shelves.

# CONTACT US



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