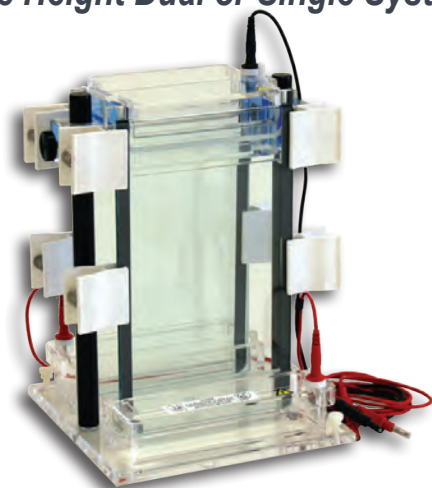


Adjustable Height Dual or Single Systems adapt to changing methodologies

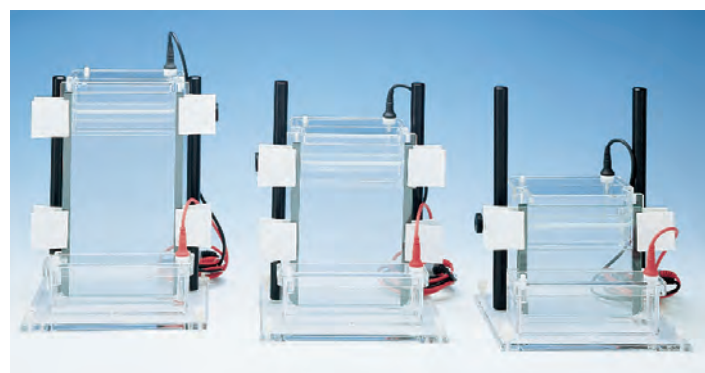


Dual Adjustable Vertical Systems

DASG-250, DASG-250-02, DASG-400, DASG-400-02

Complete System:

- Dual vertical electrophoresis cell with delrin rods, leveling base and bubble level
- Safety covers and power leads
- Leak proof silicone gasket on upper reservoir to which the glass plates are clamped
- Platinum electrodes
- 2 combs
- 2 sets Gel Wrap® glass plates
- 2 sets of Gel Wrap® spacers
- 2 Gel Wrap® gaskets for gel casting
- 2 wedge plate separators
- White spring clamps
- Conversion plate for running one gel at a time



Adjustable Vertical Systems

ASG-250, ASG-250-02, ASG-400, ASG-400-02

Complete System:

- Single vertical electrophoresis cell with delrin rods, safety covers, power leads, and leveling base with bubble level
- Leak proof silicone gasket on upper reservoir to which the glass plates are clamped
- Platinum electrodes
- 1 comb
- 1 set Gel Wrap® glass plates
- 1 set of Gel Wrap® spacers
- 1 Gel Wrap® gasket for gel casting
- 1 wedge plate separator
- White spring clamps

APPLICATIONS

- SDS PAGE
- Native PAGE
- Nucleic Acid PAGE

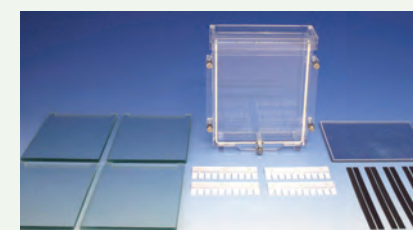
FEATURES

- Single and Dual Adjustable Slab Gel Systems are designed to meet a variety of applications.
- The adjustable upper buffer reservoir rides on two delrin rods, and is secured in place by two stainless steel hand screws, providing the flexibility of running 16.5cm wide gels in lengths from 145mm up to 280mm (ASG-250 or DASG-250) or from 145mm up to 387mm (ASG-400 or DASG-400).
- The Dual Adjustable Slab Gel System allows two gels to be run simultaneously under identical buffer conditions.
- 16.5cm wide glass plates are available in seven lengths: 145mm, 160mm, 170mm, 190mm, 220mm, 280mm, and 387mm, and can be ordered with front plate beveled for two-dimensional electrophoresis.
- Spacer sets are offered in thicknesses of 0.75mm, 1.0mm, 1.5mm, 2.0mm and 3.0mm. For full listing of accessories please consult our website or product list.

| SPECIFICATIONS | | | | |
|-------------------------|-----------|-----------------------------------|---|---|
| Vertical System Cat. # | # of Gels | Overall Dimensions W x D x H (cm) | Glass Plate Dimension Options W x L (cm) | Recommended Buffer Reservoir Volume (mls) |
| ASG-250 ASG-250-02 | 1 | 22 x 19 x 28 | 16.5 x 14.5 16.5 x 16 16.5 x 17 16.5 x 19 16.5 x 22 16.5 x 28 | 310-375 upper 150-350 lower |
| DASG-250 DASG-250-02 | 2 | 22 x 19 x 28 | 16.5 x 14.5 16.5 x 16 16.5 x 17 16.5 x 19 16.5 x 22 16.5 x 28 | 375-475 upper 150-350 lower |
| ASG-400 ASG-400-02 | 1 | 22 x 19 x 42 | 16.5 x 14.5 16.5 x 16 16.5 x 17 16.5 x 19 16.5 x 22 16.5 x 28 16.5 x 38.7 | 310-375 upper 150-350 lower |
| DASG-400 DASG-400-02 | 2 | 22 x 19 x 42 | 16.5 x 14.5 16.5 x 16 16.5 x 17 16.5 x 19 16.5 x 22 16.5 x 28 16.5 x 38.7 | 375-475 upper 150-350 lower |

GEL CASTING OPTIONS

OPTION 1: Multi-Caster Method



Multi-Caster Kits, 16.5cm(w)

GCC-404K (4-place),
GCC-410K (10-place)

Complete System:

- Multi-Caster Chamber with lid, silicone gasket, 6 stainless steel thumbscrews, backfill port connecting to central filling trough (See assembly diagram on page 23)
- 4 each (4-place) or 10 each (10-place) notched glass plate sets, spacers, and combs
- Polycarbonate separation sheets
- Acrylic shim plate

OPTION 2: Gel Wrap® Casting System

C.B.S. Scientific has developed a revolutionary leak-proof gasket, Gel Wrap, that seals the glass plate sandwich for gel casting quickly and easily. Set-up time for gel casting can be accomplished in less than one minute. Gel Wrap is designed to perform two functions simultaneously - it holds onto the back glass plate, making it easy to handle, and it seals the spacers. (See page 23 for series of photos detailing Gel Wrap System).



BLOTTING SYSTEMS



The EBU-102 Blotting System provides the capability of transferring 3 gels simultaneously under identical temperature controlled buffer conditions. Compatible Semi-Dry Blotter EBU-4000 is described on page 39. Both of these Blotting Systems can accommodate gels with glass plate dimensions up to 16cm(w) x 22cm(h). See pages 38-39 for complete descriptions.

COMB OPTIONS for 16.5 cm wide units

material: PTFE, overall length: 13.1cm

| Cat. # | Tooth Depth (mm) | # of Teeth | Thickness of Teeth (mm) | Tooth Width (mm) | Recommended Max. Sample Vol./Well (µl)* |
|-----------|------------------|------------|-------------------------|------------------|---|
| VGC-0710 | 19.1 | 10 | 0.75 | 10.1 | 109 |
| VGC-0712 | 19.1 | 12 | 0.75 | 7.9 | 85 |
| VGC-0714* | 19.1 | 14 | 0.75 | 6.4 | 68 |
| VGC-0715 | 19.1 | 15 | 0.75 | 5.7 | 62 |
| VGC-0716 | 19.1 | 16 | 0.75 | 5.2 | 56 |
| VGC-0720 | 17.7 | 20 | 0.75 | 4.2 | 42 |
| VGC-0729* | 17.7 | 29 | 0.75 | 2.9 | 29 |
| VGC-0730 | 17.7 | 30 | 0.75 | 2.8 | 28 |
| VGC-1010 | 19.1 | 10 | 1.0 | 10.1 | 146 |
| VGC-1012 | 19.1 | 12 | 1.0 | 7.9 | 113 |
| VGC-1014* | 19.1 | 14 | 1.0 | 6.4 | 90 |
| VGC-1015 | 19.1 | 15 | 1.0 | 5.7 | 82 |
| VGC-1016 | 19.1 | 16 | 1.0 | 5.2 | 74 |
| VGC-1020 | 19.1 | 20 | 1.0 | 4.2 | 56 |
| VGC-1029* | 17.7 | 29 | 1.0 | 2.9 | 38 |
| VGC-1030 | 17.7 | 30 | 1.0 | 2.8 | 37 |
| VGC-1510 | 17.7 | 10 | 1.5 | 10.1 | 218 |
| VGC-1512 | 19.1 | 12 | 1.5 | 7.9 | 170 |
| VGC-1514* | 19.1 | 14 | 1.5 | 6.4 | 137 |
| VGC-1515 | 19.1 | 15 | 1.5 | 5.7 | 122 |
| VGC-1516 | 19.1 | 16 | 1.5 | 5.2 | 110 |
| VGC-1520 | 17.7 | 20 | 1.5 | 4.2 | 83 |
| VGC-1529* | 17.7 | 29 | 1.5 | 2.9 | 58 |
| VGC-1530 | 17.7 | 30 | 1.5 | 2.8 | 56 |
| VGC-2010 | 19.1 | 10 | 2.0 | 10.1 | 292 |
| VGC-2012 | 19.1 | 12 | 2.0 | 7.9 | 226 |
| VGC-2014* | 19.1 | 14 | 2.0 | 6.4 | 180 |
| VGC-2015 | 19.1 | 15 | 2.0 | 5.7 | 164 |
| VGC-2016 | 19.1 | 16 | 2.0 | 5.2 | 148 |
| VGC-2020 | 17.7 | 20 | 2.0 | 4.2 | 112 |
| VGC-2029* | 17.7 | 29 | 2.0 | 2.9 | 76 |
| VGC-2030 | 17.7 | 30 | 2.0 | 2.8 | 74 |
| VGC-3010 | 19.1 | 10 | 3.0 | 10.1 | 438 |
| VGC-3012 | 19.1 | 12 | 3.0 | 7.9 | 339 |
| VGC-3014* | 19.1 | 14 | 3.0 | 6.4 | 270 |
| VGC-3015 | 19.1 | 15 | 3.0 | 5.7 | 246 |
| VGC-3016 | 19.1 | 16 | 3.0 | 5.2 | 222 |
| VGC-3020 | 17.7 | 20 | 3.0 | 4.2 | 168 |
| VGC-3029* | 17.7 | 29 | 3.0 | 2.9 | 114 |
| VGC-3030 | 17.7 | 30 | 3.0 | 2.8 | 111 |

*Multi-channel pipettor compatible

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

ORDERING INFORMATION *

| CAT. # | DESCRIPTION |
|---|--|
| ADJUSTABLE VERTICAL SYSTEMS - 16.5CM(W)* | |
| ASG-250 | Adjustable Vertical System, Complete System, adjusts from 14.5cm-28cm |
| ASG-400 | Adjustable Vertical System, Complete System, adjusts from 14.5cm-40cm |
| DASG-250 | Dual Adjustable Vertical System, Complete System, adjusts from 14.5cm-28cm |
| DASG-400 | Dual Adjustable Vertical System, Complete System, adjusts from 14.5cm-40cm |
| Accessories and Related Products for Adjustable Slab Gel Kits* | |
| GCC-404K* | Multi-Caster Kit, 4-place, 16.5cm(w), fits heights up to 22cm |
| GCC-410K* | Multi-Caster Kit, 10-place, 16.5cm(w), fits heights up to 22cm |
| EBU-102 | Blotting System, 3-place, fits gel heights up to 22cm. Includes 1 gel cassette |
| EBC-102 | Additional Blotting Cassette for EBU-102 |
| EPS-300 X | Power Supply, CE, 10-300V, 4-500mA |
| EPS-600 | Power Supply, CE, 5-600V, 3-500mA |

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