

The Vari-gel Range

The Vari-gel Range is designed to provide a low cost electrophoresis solution that not only offers several gel tray options within one tank but also retains the quality and features of the popular Green Range horizontal units.

The Vari-gel Range is available in MINI, MIDI and MAXI formats, each format determined by the width and number of gel-casting trays.

ORDERING INFORMATION

Complete System

MINI
A 7cm wide Vari-gel unit, which includes two gel-casting trays:
7 x 7cm and 7 x 10cm (W x L)

Part No.
SVG-SYS

MIDI
A 10cm wide Vari-gel unit, which includes three gel-casting trays:
10 x 7cm, 10 x 10cm and 10 x 15cm (W x L)

TVG-SYS

MAXI
A 15cm wide Vari-gel unit, which includes four gel-casting trays:
15 x 7cm, 15 x 10cm, 15 x 15cm and 15 x 20cm (W x L)

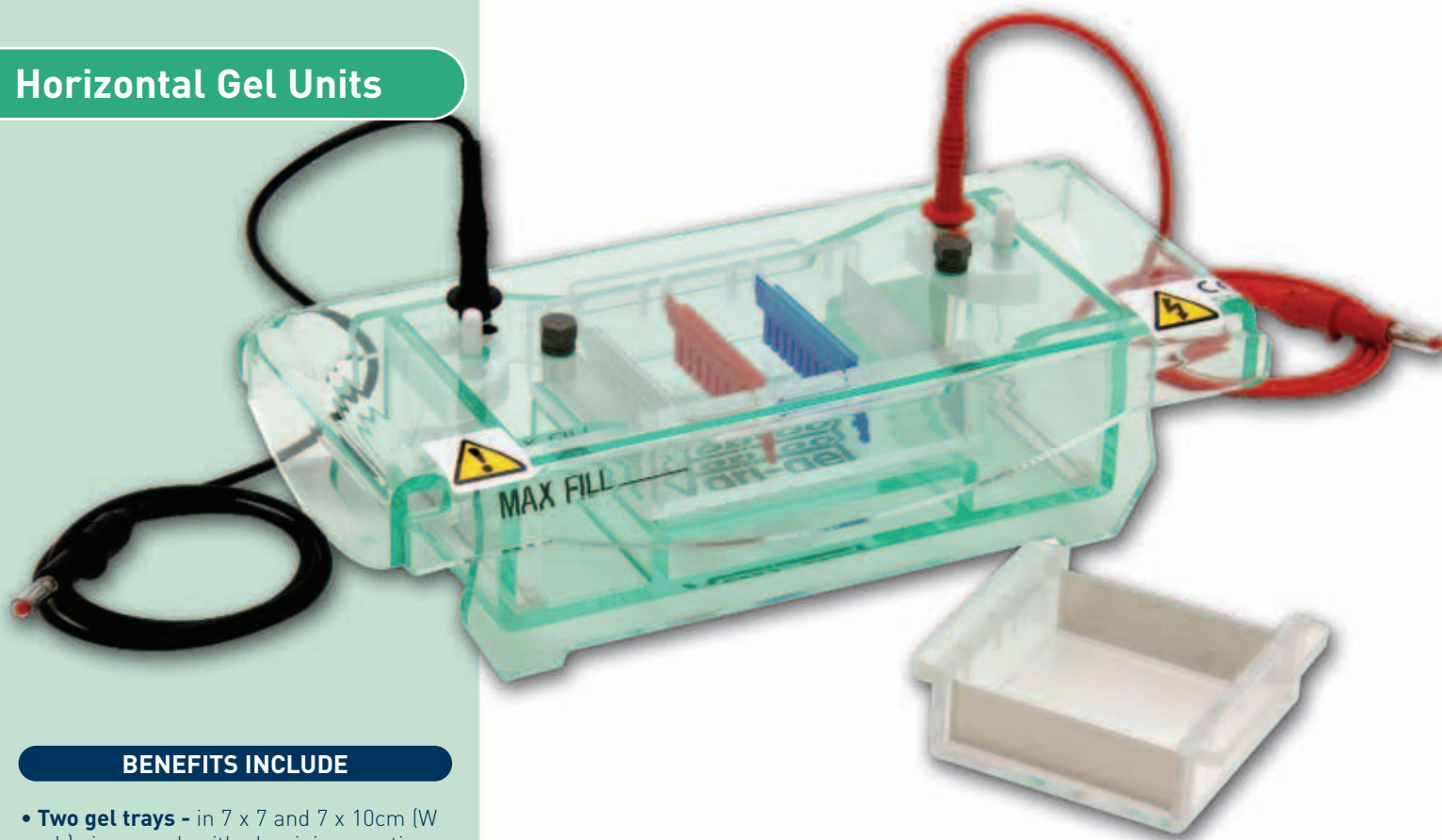
VG-SYS

Each unit is fabricated from 5mm acrylic sheet as standard and comprises two combs, buffer recirculation ports, gel trays with aluminium casting gates and platinum electrodes 0.2mm in diameter.

BENEFITS INCLUDE

- Robust acrylic tank construction
- Safety lid with integral power leads
- Shrouded 4mm power output connectors universally compatible with modern-day low to medium voltage power supplies
- Long-life, 99.99 % pure platinum electrodes
- Gold-plated terminals with corrosion-free stainless steel washers
- Durable high-impact polystyrene (HIPS) combs
- UV-transparent acrylic gel-casting trays
- Offset asymmetric electrodes
- Colour-coded combs corresponding to 1, 1.5 and 2mm thicknesses

Horizontal Gel Units



BENEFITS INCLUDE

- **Two gel trays** - in 7 x 7 and 7 x 10cm (W x L) sizes, each with aluminium casting gates
- **Multiple comb slots** - regularly positioned along the gel tray and corresponding to each comb thickness - allow the user to adjust the sample migration distance according to their own personal preference
- **Colour-coded combs** - 1, 1.5 and 2mm thick
- **Buffer recirculation ports** - may be connected to a peristaltic pump for buffer recirculation during electrophoresis to maintain buffer pH and prevent ionic gradient formation
- **Coloured loading strips** - for easy well detection when loading
- **Compact tank** - reduces the buffer volume required to cover the gel, providing greater control over the voltage gradient and run-time
- **UV-transparent acrylic casting tray** - allows the user to image the gel without risk of damage due to handling
- **Scie-Plas Super-Seals** - available as an accessory for flexible casting

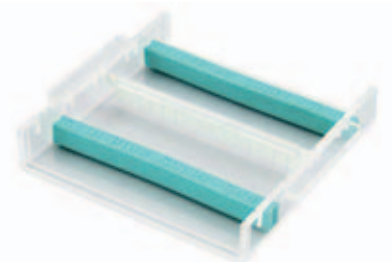
SVG-SYS Vari-gel MINI System

The SVG-SYS Vari-gel mini system is ideal for standard preparatory and analytical electrophoresis techniques.

SVG-SYS CASTING OPTIONS

SVG-GT-ALCG - aluminium casting gates at each end of the gel tray guarantee leak-free casting when they are first lined with agarose

SVG-SS - 7cm long Scie-Plas Super-Seals offer total versatility in casting, allowing the gel length to be tailored to each user's personal requirements



CASTING TIP Regardless of the casting method, ensure leak-free casting by lining the casting unit with agarose and allowing it to set before pouring the remainder of the hand-hot agarose mixture i.e. at approx. 50°C



ORDERING INFORMATION

Complete System

A complete 7cm wide Vari-gel system with 2 removable gel trays, 7 x 7 and 7 x 10cm (W x L); 2 x 1mm, 15-sample combs; aluminium casting gates and coloured loading strips

Part No.

SVG-SYS

Replacement Parts & Accessories

1 x gel casting tray, 7 x 7cm, including aluminium casting gates	SVG-GT-7
1 x gel casting tray, 7 x 10cm, including aluminium casting gates	SVG-GT-10
2 x buffer recirculation ports	HU-BRP
2 x aluminium casting gates	SVG-GT-ALCG
2 x Scie-Plas Super-Seals	SVG-SS
6 x coloured loading strips	SVG-CS
1 x gel scoop	SVG-GS
2 x 0.2mm thick, platinum electrode wire	PT-0.2
2 x 1 metre power leads with shrouded 4mm power output connectors	CABLE-4

SVG-SYS Combs

Part No.	Thickness (mm)	Sample Throughput	Tooth Width (mm)	Max. Spacing (mm)	Sample Volume in a 5mm Deep Well (µl)
SVG-C1-8	1	8	5.5	2	27
SVG-C1-12	1	12	3	2	15
SVG-C1-15	1	15	2	2	10
*SVG-C1-16MC	1	16	1.75	2	8
SVG-C1.5-8	1.5	8	5.5	2	40
SVG-C1.5-12	1.5	12	3	2	22
SVG-C1.5-15	1.5	15	2	2	15
*SVG-C1.5-16MC	1.5	16	1.75	2	12
SVG-C2-8	2	8	5.5	2	54
SVG-C2-12	2	12	3	2	30
SVG-C2-15	2	15	2	2	20
*SVG-C2-16MC	2	16	1.75	2	16

*Multi-channel pipette compatible

TRAY OPTIONS

Part No.	Tray 1 SVG-GT-7	Tray 2 SVG-GT-10
Gel Size (W x L)	7 x 7cm	7 x 10cm
Combs Slots	4 (2 slots for 1mm combs; 2 slots for 1.5 and 2mm combs)	6 (3 slots for 1mm combs; 3 slots for 1.5 and 2mm combs)
Migration Distance Between Comb Slots	2.8cm	3.0cm
Maximum Sample Capacity	32	48

*each tray includes 2 x aluminium casting gates

TECHNICAL SPECIFICATION

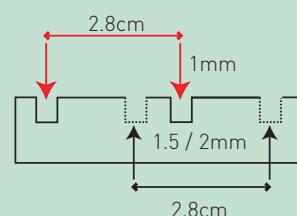
Unit Dimensions (W x L x H)	25 x 11 x 7cm
Gel Size (W x L)	see Trays
Buffer Volume	350ml
Buffer Recirculation Ports	2
Maximum Sample Capacity	48
Combs	2
Comb Thickness	1, 1.5 or 2mm
Comb Throughput	8 to 20 samples
Recommended Running Voltage	75 to 100V
Power Output Connectors (diameter)	Shrouded, 4mm
Recommended Power Supply	Consort EV222

DO YOU NEED...?

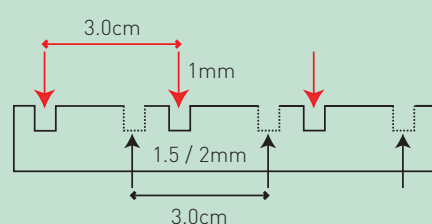
AGAROSE	SEE PAGE 118
A GEL LEVELING TABLE	SEE PAGE 34
A POWER SUPPLY	SEE PAGES 91-92
SUPER-SEALS™	SEE PAGE 33

Migration distances between comb slots, for either 1mm or 1.5 and 2mm combs, in the SVG-SYS gel-casting trays

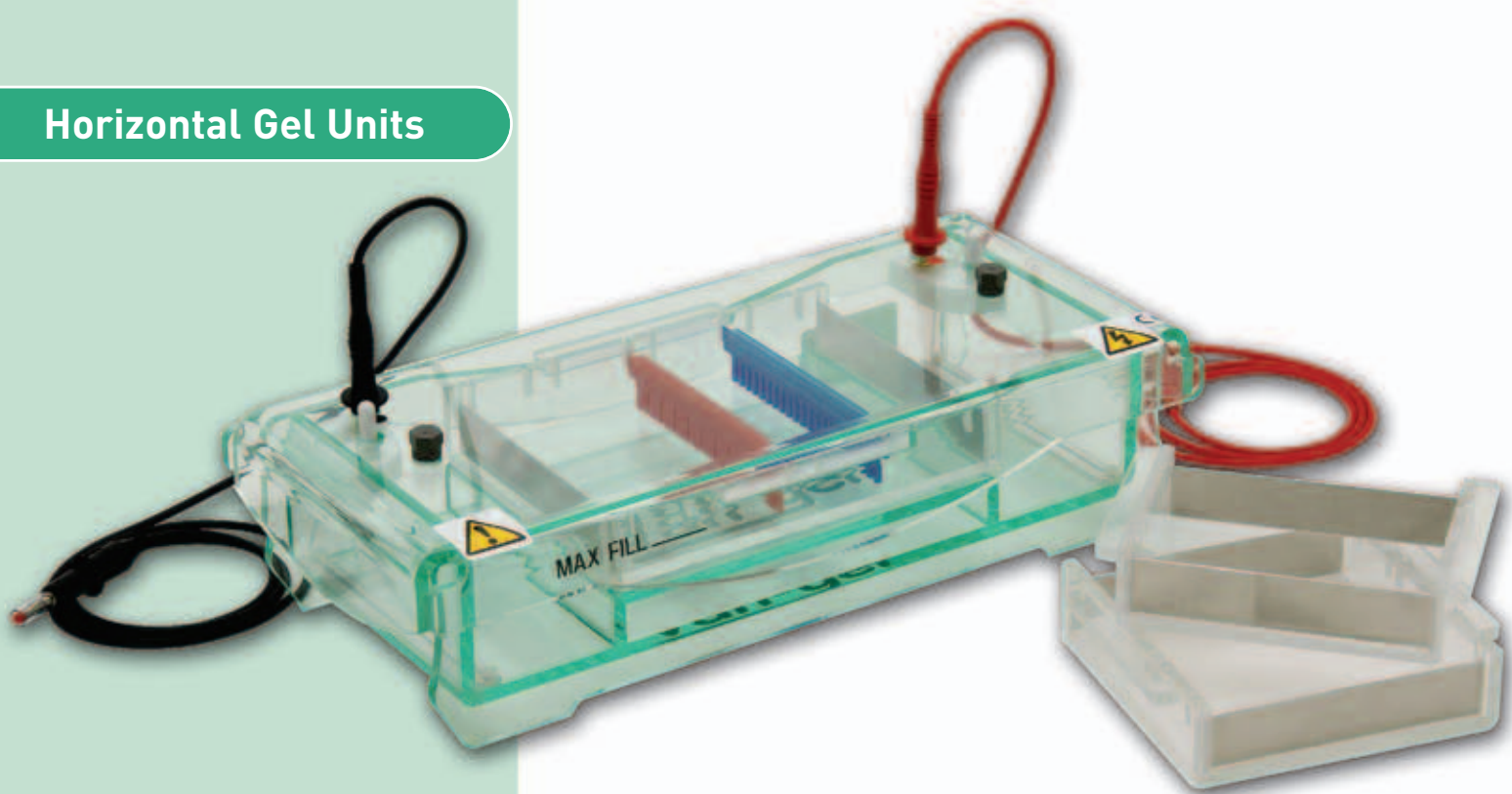
SVG-GT-7



SVG-GT-10



Horizontal Gel Units



BENEFITS INCLUDE

- **Three gel trays** - in 10 x 7, 10 x 10 and 10 x 15cm (W x L) sizes, each with aluminium casting gates
- **Multiple comb slots** - regularly positioned along the gel tray and corresponding to each comb thickness - allow the user to adjust the sample migration distance according to their own personal preference
- **Colour-coded combs** - 1, 1.5 and 2mm thick
- **Buffer recirculation ports** - may be connected to a peristaltic pump for buffer recirculation during electrophoresis to maintain buffer pH and prevent ionic gradient formation
- **Coloured loading strips** - for easy well detection when loading
- **Compact tank** - reduces the buffer volume required to cover the gel, providing greater control over the voltage gradient and run-time
- **UV-transparent acrylic casting tray** - allows the user to image the gel without risk of damage due to handling
- **Scie-Plas Super-Seals** - available as an accessory for flexible casting

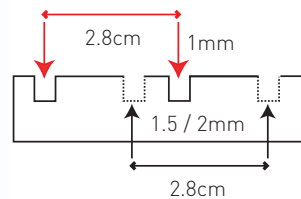


TVG-SYS Vari-gel MIDI System

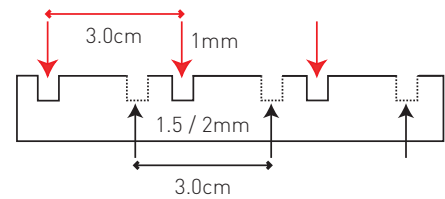
The TVG-SYS Vari-gel midi system is ideal for standard preparatory and analytical electrophoresis techniques.

Migration distances between comb slots, for either 1mm or 1.5 and 2mm combs, in the TVG-SYS gel-casting trays

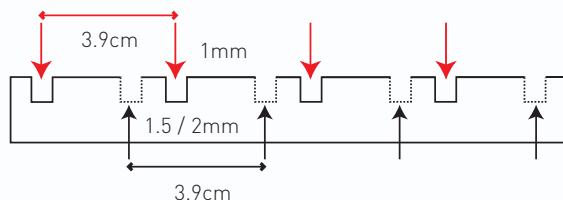
TVG-GT-7



TVG-GT-10



TVG-GT-15



TRAY OPTIONS

Part No.	Tray 1 TVG-GT-7	Tray 2 TVG-GT-10	Tray 3 TVG-GT-15
Gel Size (W x L)	10 x 7cm	10 x 10cm	10 x 15cm
Combs Slots	4 (2 slots for 1mm combs; 2 slots for 1.5 and 2mm combs)	6 (3 slots for 1mm combs; 3 slots for 1.5 and 2mm combs)	8 (4 slots for 1mm combs; 4 slots for 1.5 and 2mm combs)
Migration Distance Between Comb Slots	2.8cm	3.0cm	3.9cm
Maximum Sample Capacity	40	60	80

*each tray includes 2 x aluminium casting gates

ORDERING INFORMATION

Complete System

A complete 10cm wide Vari-gel system with 3 removable gel trays, 10 x 7, 10 x 10 and 10 x 15cm (W x L); 2 x 1mm, 15-sample combs; aluminium casting gates and coloured loading strips

Part No.

TVG-SYS

Replacement Parts & Accessories

1 x gel casting tray, 10 x 7cm, including aluminium casting gates	TVG-GT-7
1 x gel casting tray, 10 x 10cm, including aluminium casting gates	TVG-GT-10
1 x gel casting tray, 10 x 15cm, including aluminium casting gates	TVG-GT-15
2 x buffer recirculation ports	HU-BRP
2 x aluminium casting gates	TVG-GT-ALCG
2 x Scie-Plas Super-Seals	TVG-SS
10 x coloured loading strips	TVG-CS
1 x gel scoop	TVG-GS
2 x 0.2mm thick, platinum electrode wire	PT-0.2
2 x 1 metre power leads with shrouded 4mm power output connectors	CABLE-4

TVG-SYS Combs

Part No.	Thickness (mm)	Sample Throughput	Tooth Width (mm)	Max. Spacing (mm)	Sample Volume in a 5mm Deep Well (µl)
TVG-C1-8	1	8	9.25	2	45
TVG-C1-12	1	12	5.5	2	25
TVG-C1-15	1	15	4	2	20
*TVG-C1-16MC	1	16	3.62	2	15
TVG-C1-20	1	20	2.5	2	10
TVG-C1.5-8	1.5	8	9.25	2	65
TVG-C1.5-12	1.5	12	5.5	2	35
TVG-C1.5-15	1.5	15	4	2	30
*TVG-C1.5-16MC	1.5	16	3.62	2	20
TVG-C1.5-20	1.5	20	2.5	2	15
TVG-C2-8	2	8	9.25	2	90
TVG-C2-12	2	12	5.5	2	50
TVG-C2-15	2	15	4	2	40
*TVG-C2-16MC	2	16	3.62	2	30
TVG-C2-20	2	20	2.5	2	20

*Multi-channel pipette compatible



TECHNICAL TIP | Caution:

Ethidium bromide is a known mutagen. Always wear gloves when handling. Wear UV safety goggles and protect skin when using any UV light source.

TECHNICAL SPECIFICATION

Unit Dimensions (W x L x H)	31.5 x 14.5 x 7cm
Gel Size (W x L)	see Trays
Buffer Volume	650ml
Buffer Recirculation Ports	2
Maximum Sample Capacity	80
Combs	2
Comb Thickness	1, 1.5 or 2mm
Comb Throughput	8 to 20 samples
Recommended Running Voltage	75 to 125V
Power Output Connectors (diameter)	Shrouded, 4mm
Recommended Power Supply	Consort EV222

TVG-SYS CASTING OPTIONS

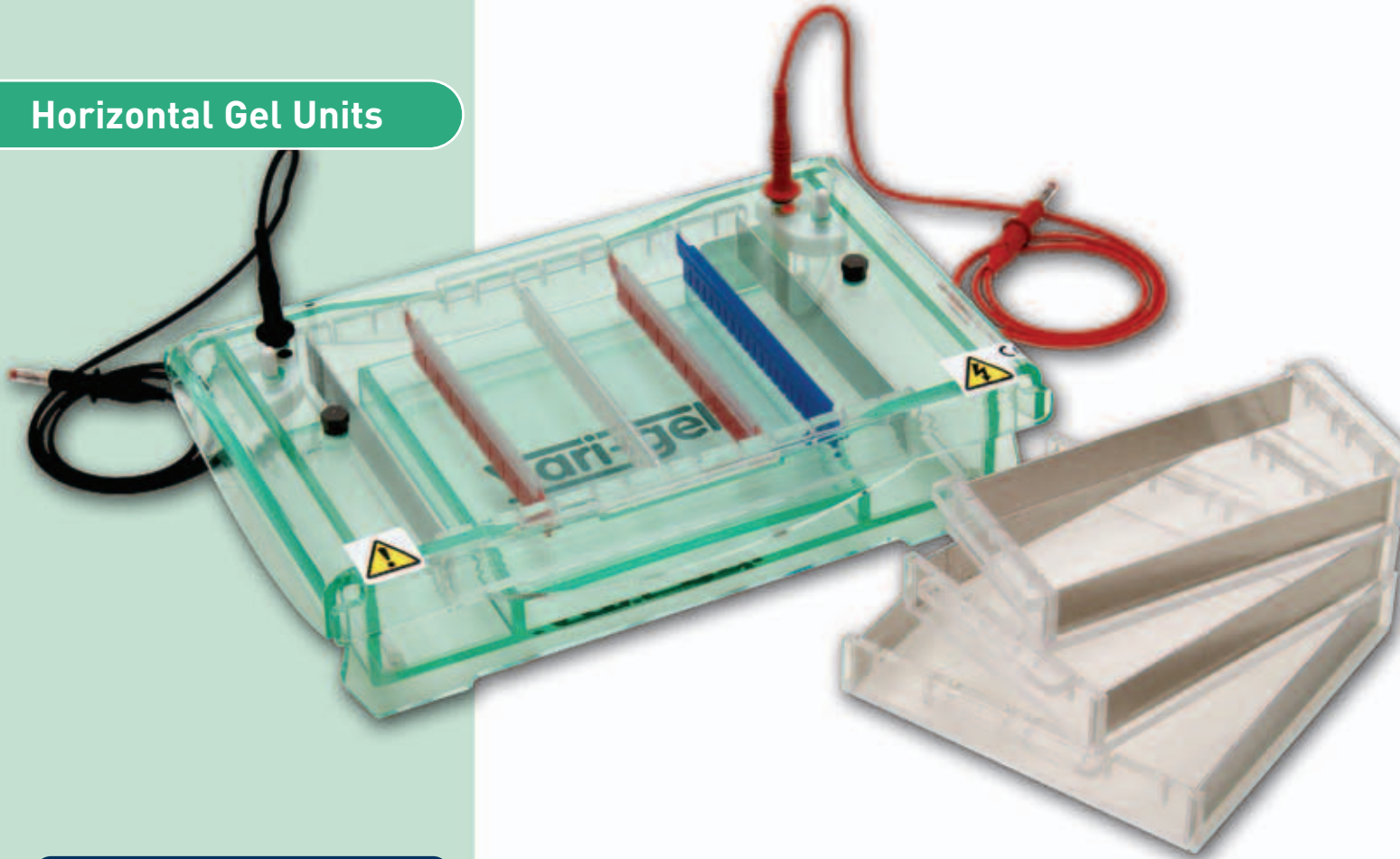
TVG-GT-ALCG - aluminium casting gates at each end of the gel tray guarantee leak-free casting when they are first lined with agarose



TVG-SS - 10cm long Scie-Plas Super-Seals offer total versatility in casting, allowing the gel length to be tailored to each user's personal requirements



Horizontal Gel Units



BENEFITS INCLUDE

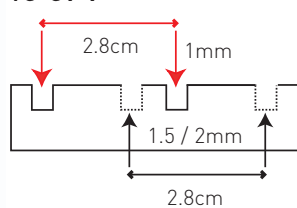
- **Four gel trays** - in 15 x 7, 15 x 10, 15 x 15 and 15 x 20cm (W x L) sizes, each with aluminium casting gates
- **Multiple comb slots** - regularly positioned along the gel tray and corresponding to each comb thickness - allow the user to adjust the sample migration distance according to their own personal preference
- **Colour-coded combs** - 1, 1.5 and 2mm thick
- **Buffer recirculation ports** - may be connected to a peristaltic pump for buffer recirculation during electrophoresis to maintain buffer pH and prevent ionic gradient formation
- **Coloured loading strips** - for easy well detection when loading
- **Compact tank** - reduces the buffer volume required to cover the gel, providing greater control over the voltage gradient and run-time
- **UV-transparent acrylic casting tray** - allows the user to image the gel without risk of damage due to handling
- **Scie-Plas Super-Seals** - available as an accessory for flexible casting

VG-SYS Vari-gel MAXI System

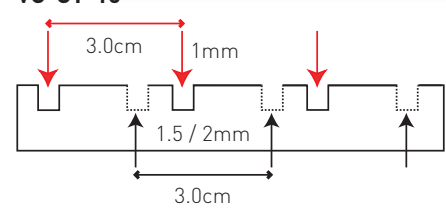
The VG-SYS Vari-gel maxi system is ideal for standard preparatory and analytical electrophoresis techniques.

Migration distances between comb slots, for either 1mm or 1.5 and 2mm combs, in the VG-SYS gel-casting trays

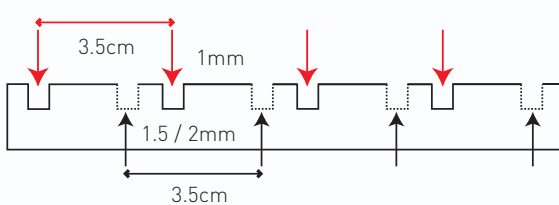
VG-GT-7



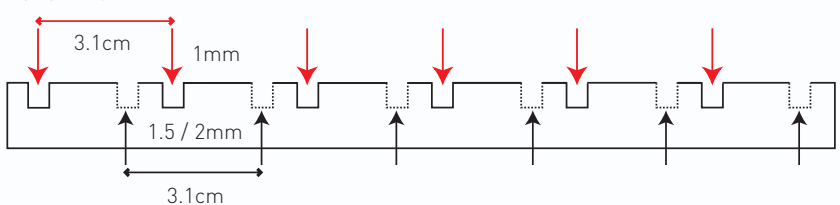
VG-GT-10



VG-GT-15



VG-GT-20



ORDERING INFORMATION

Complete System

A complete 15cm wide Vari-gel system with 4 removable gel trays, 15 x 7, 15 x 10, 15 x 15 and 15 x 20cm (W x L); 2 x 1mm, 15-sample combs; aluminium casting gates and coloured loading strips

Part No.

VG-SYS

Replacement Parts & Accessories

1 x gel casting tray, 15 x 7cm, including aluminium casting gates	VG-GT-7
1 x gel casting tray, 15 x 10cm, including aluminium casting gates	VG-GT-10
1 x gel casting tray, 15 x 15cm, including aluminium casting gates	VG-GT-15
1 x gel casting tray, 15 x 20cm, including aluminium casting gates	VG-GT-20
2 x buffer recirculation ports	HU-BRP
2 x aluminium casting gates	VG-GT-ALCG
2 x Scie-Plas Super-Seals	VG-SS
12 x coloured loading strips	VG-CS
1 x gel scoop	VG-GS
2 x 0.2mm thick, platinum electrode wire	PT-0.2
2 x 1 metre power leads with shrouded 4mm power output connectors	CABLE-4

VG-SYS Combs

Part No.	Thickness (mm)	Sample Throughput	Tooth Width (mm)	Max. Spacing (mm)	Sample Volume in a 5mm Deep Well (µl)
VG-C1-10	1	10	12.8	2	64
*VG-C1-16MC	1	16	6.4	2	32
VG-C1-20	1	20	5.9	2	29
VG-C1-25	1	25	3.5	2	17
*VG-C1-30MC	1	30	2.5	2	12
VG-C1.5-10	1.5	10	12.8	2	96
*VG-C1.5-16MC	1.5	16	6.4	2	48
VG-C1.5-20	1.5	20	5.9	2	43
VG-C1.5-25	1.5	25	3.5	2	25
*VG-C1.5-30MC	1.5	30	2.5	2	18
VG-C2-10	2	10	12.8	2	128
VG-C2-16MC	2	16	6.4	2	64
VG-C2-20	2	20	5.9	2	58
VG-C2-25	2	25	3.5	2	34
*VG-C2-30MC	2	30	2.5	2	24

*Multi-channel pipette compatible

TRAY OPTIONS

Part No.	Tray 1 VG-GT-7	Tray 2 VG-GT-10	Tray 3 VG-GT-15	Tray 4 VG-GT-20
Gel Size (W x L)	15 x 7cm	15 x 10cm	15 x 15cm	15 x 20cm
Combs Slots	4 (2 slots for 1mm combs; 2 slots for 1.5 and 2mm combs)	6 (3 slots for 1mm combs; 3 slots for 1.5 and 2mm combs)	8 (4 slots for 1mm combs; 4 slots for 1.5 and 2mm combs)	12 (6 slots for 1mm combs; 6 slots for 1.5 and 2mm combs)
Migration Distance Between Comb Slots	2.8cm	3.0cm	3.5cm	3.1cm
Maximum Sample Capacity	60	90	120	180

*each tray includes 2 x aluminium casting gates

TECHNICAL SPECIFICATION

Unit Dimensions (W x L x H)	31.5 x 19 x 7cm
Gel Size (W x L)	see Trays
Buffer Volume	950ml
Buffer Recirculation Ports	2
Maximum Sample Capacity	180
Combs	2
Comb Thickness	1, 1.5 or 2mm
Comb Throughput	10 to 30 samples
Recommended Running Voltage	75 to 150V
Power Output Connectors (diameter)	Shrouded, 4mm
Recommended Power Supply	Consort EV243

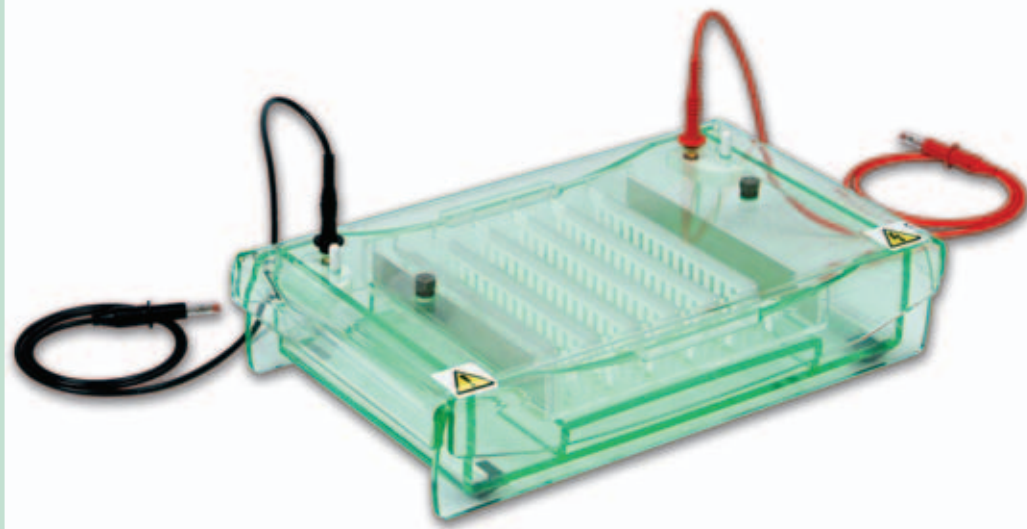


**ELECTROPHORESIS
CHEMICALS
SEE PAGES 117-123**

Horizontal Gel Units

BENEFITS INCLUDE

- **Single gel tray with fluorescent numbering** - allows up to 96 SSPs to be loaded directly onto the tray, so that each SSP is automatically numbered for gel photography, simplifying post-electrophoretic analysis
- **6 comb slots** - positioned at 25mm intervals along the gel tray allow SSPs to be separated in less than 30 minutes using the appropriate running conditions (see Technical Specification)
- **Six 17-sample combs** - with each marker lane positioned centrally - enables SSPs to be loaded onto the gel quickly, 8 at a time by multi-channel pipette
- **Compact tank** - reduces the buffer volume required to cover the gel, providing greater control over the voltage gradient and run-time
- **Robust acrylic casting tray** - UV-transparent for visualisation with fluorescent numbering for SNP recognition and traceability
- **Ideal for use** - either with 96-well microtitre plates or 96-well blocks
- **Buffer recirculation ports** - may be connected to a peristaltic pump for buffer recirculation during electrophoresis



VG-FAST96 High Throughput Vari-gel MAXI System

The VG-FAST96 high throughput Vari-gel maxi system is the latest addition to the Scie-Plas Vari-gel product range, providing a swift and simple solution for the screening and analysis of up to 96 single-strand polymorphisms (SSP) following PCR® amplification. Under the appropriate running conditions, SSPs, 50 to 1000 base pairs in size, can be separated in less than 30 minutes.

ROBUST ACRYLIC CASTING TRAY

Fluorescent visualisation of the lanes for the markers and samples 1-96 on the VG-FAST-GT high throughput gel-casting tray, using the Scie-Plas Vision gel documentation system.



ORDERING INFORMATION

Complete System

A complete 16cm wide high throughput Vari-gel system with 1 removable UV-transparent and UV-fluorescent gel tray, 16 x 17.5cm (W x L); 6 x 1mm, 17-sample combs and aluminium casting gates

Part No.

VG-FAST96

Replacement Parts & Accessories

1 x removable UV-transparent and UV-fluorescent gel casting tray, 16 x 17.5cm, including aluminium casting gates

VG-FAST-GT

2 x aluminium casting gates

VG-FAST-ALCG

2 x buffer recirculation ports

HU-BRP

1 x gel scoop

VG-FAST-GS

2 x 0.2mm thick, platinum electrode wire

PT-0.2

2 x 1 metre power leads with

shrouded 4mm power output connectors

CABLE-4

VG-FAST 96 Combs

Part No.	Thickness (mm)	Sample Throughput	Tooth Width (mm)	Max. Spacing (mm)	Sample Volume in a 5mm Deep Well (µl)
VG-FAST-C1-17MC	1	17	5	3.5	25

*Multi-channel pipette compatible

TECHNICAL SPECIFICATION

Unit Dimensions (W x L x H)	33 x 19.5 x 7.5cm
Gel Size (W x L)	16 x 17.5cm
Buffer Volume	950ml
Buffer Recirculation Ports	2
Maximum Sample Capacity	96 + 8
Combs	6
Comb Thickness	1mm
Comb Throughput	17 samples: 2 x 8 loaded by multi-channel pipette; 1 x marker
Comb Slots	6
Migration Distance Between Comb Slots	2.5cm
Recommended Running Voltage	100 to 150V
Power Output Connectors (diameter)	Shrouded, 4mm
Recommended Power Supply	Consort EV243



TECHNICAL TIP | Photography:

If the gel needs to be photographed, thin gels (2 to 3mm) with low-percentage agarose are better than thick or high-percentage gels. The latter produce increased opaqueness and autofluorescence.



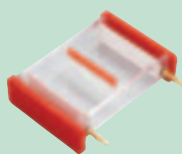
Horizontal Gel Units

Today's laboratory scientists can take advantage of many gel-casting methods, ranging from the traditional, homemade solution of sealing the ends of the gel tray with tape to flexible gel casting, at any position within the tray, with Scie-Plas Super-Seals™.

SCIE-PLAS CASTING OPTIONS

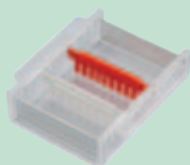
Plastic casting gates

- Available with the HB-SET and H1-SET units only
- Slot into preformed grooves within the gel tank



Aluminium casting gates

- Available with the SVG-SYS, TVG-SYS and VG-SYS units only
- Slot into preformed grooves within the gel-casting tray



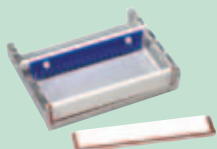
Silicone gasket

- Available with the HU6, HU10 and HU13 units only
- Slot into preformed grooves at each end of the gel-casting tray, which is then turned at 90° to the direction of electrophoresis to form a leak-free seal against the walls of the gel tank



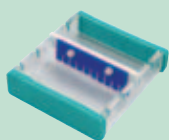
Casting gates with integral silicone seals

- Available with the HU15, HU20, HU25, CHU20 and CHU25 units
- By slotting into preformed grooves, casting gates with integral silicone seals effectively seal the tray, provided the silicone gasket faces outwards as shown



Silicone casting gates

- Available for the HU6, HU10 and HU13 units
- Slot into grooves at each end of the casting tray to form a leak-free seal



External casting units

- Available for the HU6, HU10 and HU13 units for simultaneous casting of up to 3 gels
- Silicone gaskets, seated in the groove of each casting tray, form a leak-free seal against the walls of the casting unit



Horizontal Gel Casting Products

Scie-Plas currently provides a variety of gel-casting options with its horizontal units, all of which will ensure reliable casting.



Always line the casting gates with a small amount of agarose, allowing it to set before pouring the remainder of the cooled, hand-hot agarose mixture i.e. at approx. 50°C.



ORDERING INFORMATION

Description

2 x plastic casting gates for the HB-SET
2 x plastic casting gates for the H1-SET

Part No.

HB-CG
H1-CG

N.B. Casting only performed directly in the unit, without casting trays

Description

2 x aluminium casting gates for the SVG-SYS
2 x aluminium casting gates for the TVG-SYS
2 x aluminium casting gates for the VG-SYS

Part No.

SVG-GT-ALCG
TVG-GT-ALCG
VG-GT-ALCG

N.B. For individual gel trays with aluminium casting gates, please see the SVG-SYS, TVG-SYS and VG-SYS product literature.

Description

1 x silicone gasket for the HU6, HU10 & HU13, 1 metre HU-SG

Part No.

N.B. For individual gel trays with silicone gaskets, please see the HU6, HU10 and HU13 product literature.

Description

2 x casting gates with integral silicone seals for HU15
2 x casting gates with integral silicone seals for CHU20 & HU20
2 x casting gates with integral silicone seals for CHU25 & HU25

Part No.

HU15-CG
HU20-CG
HU25-CG

N.B. For individual gel trays with casting gates with integral silicone seals, please see the respective product literature for each unit

Description

2 x silicone casting gates for HU6
2 x silicone casting gates for HU10
2 x silicone casting gates for HU13

Part No.

HU6-SCG
HU10-SCG
HU13-SCG

Description

1 x external casting unit for 3 gel trays, HU6
1 x external casting unit for 3 gel trays, HU10
1 x external casting unit for 3 gel trays, HU13

Part No.

HU6-CU
HU10-CU
HU13-CU



Scie-Plas Super-Seals™

Throw away all those gel gates and casting units and use our specifically designed and formulated silicone seals, which can be placed anywhere within the casting tray.

Scie-Plas Super-Seals™ offer the ultimate solution in flexible, leak-free gel casting.

BENEFITS INCLUDE

- **Cost-effective and completely versatile** - can be positioned anywhere within the casting tray, allowing the user to generate shorter gel lengths without the need for smaller casting trays
- **Reliable, leak-free casting** - is a certainty, provided the seals are first inserted correctly within the tray and then lined with agarose before pouring the remainder of the cooled gel mixture
- **Still effective - even with boiling agarose** - as long as the seals are inserted properly and lined with agarose
- **Available - for all Scie-Plas horizontal gel-casting trays**

ORDERING INFORMATION

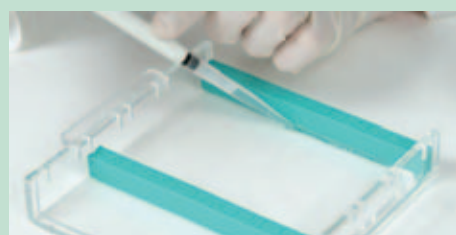
Description	Approximate Dimensions (L x W x H)	Part No.
Green Range		
2 x 6cm long Super-Seals for the HU6	6 x 1 x 1cm	HU6-SS
2 x 10cm long Super-Seals for the HU10	10 x 1.1 x 1cm	HU10-SS
2 x 13cm long Super-Seals for the HU13	13 x 1.1 x 1.4cm	HU13-SS
2 x 15cm long Super-Seals for the HU15	15 x 1.1 x 1.4cm	HU15-SS
2 x 20cm long Super-Seals for the CHU20 & HU20	20 x 2 x 1.2cm	HU20-SS
2 x 25cm long Super-Seals for the CHU25 & HU25	25 x 2 x 1.2cm	HU25-SS
Vari-gel Range		
2 x 7cm long Super-Seals for the SVG-SYS	7 x 1 x 1cm	SVG-SS
2 x 10cm long Super-Seals for the TVG-SYS	10 x 1.1 x 1cm	TVG-SS
2 x 15cm long Super-Seals for the VG-SYS	15 x 1.1 x 1.4cm	VG-SS

How to cast with Scie-Plas Super-Seals™

1. Place each Scie-Plas Super-Seal™ at the desired position within the gel tray, applying an even pressure along its length



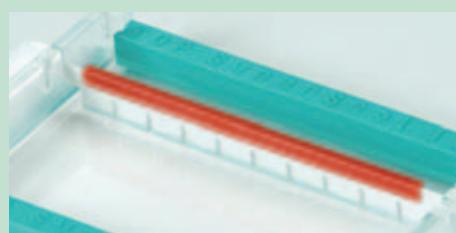
2. Line each Scie-Plas Super-Seal™ with a few millilitres of melted agarose, allowing it to cool and then set to form a leak-proof seal



3. Pour the remainder of the agarose mixture - preferably cooled to hand-heat (i.e. at 50°C) for completely reproducible results - into the gel tray



4. Insert combs and allow the gel to set for at least 30 minutes before removing the comb and loading the samples



Tip: Scie-Plas recommends 0.67ml of agarose per cm² of gel tray area for a minimum 5mm thick gel - e.g. 150ml of melted agarose for a 15 x 15cm gel tray, as shown (Volume ml = W x L x 0.67).

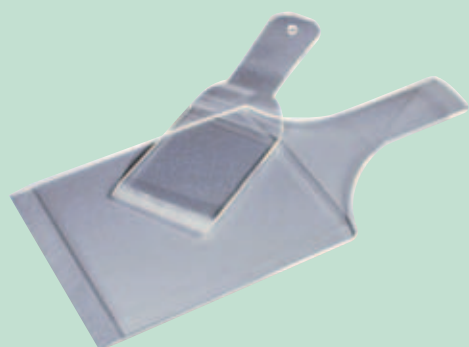
Horizontal Gel Units

BENEFITS INCLUDE

- **Large platform** - 30 x 20cm platform area accommodates all Scie-Plas gel-casting trays from the HU6 to HU25 units
- **Easy to use** - large, thumb-wheel leveling feet at each corner facilitate easy adjustment of the platform
- **Leveling bubble** - in the centre of the platform ensures even gel-pouring

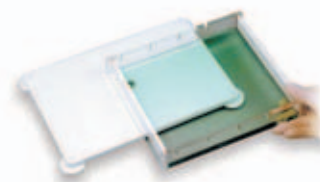
BENEFITS INCLUDE

- **In 3 different colours** - for easy visualisation of samples mixed with different dyes such as bromophenol and xylene cyanol
- **Adhesive** - each colour strip has an adhesive backing allowing it to be easily affixed and removed with each application
- **Available** - for all horizontal units



Gel Leveling Table

Allows advance pouring of gels of uniform thickness.



ORDERING INFORMATION

Description

1 x gel leveling table, 30 x 20cm

Part No.

GLT-3020

Coloured Strips

Aid sample visualisation during gel loading.

ORDERING INFORMATION

Description

Part No.

Green Range

12 x coloured loading strips for HU6	HU6-CS
12 x coloured loading strips for HU13	HU13-CS
12 x coloured loading strips for HU15	HU15-CS
12 x coloured loading strips for HU20 and CHU20	HU20-CS
36 x coloured loading strips for HU25 and CHU25	HU25-CS

Vari-gel Range

6 x coloured loading strips for SVG-SYS	SVG-CS
10 x coloured loading strips for TVG-SYS	TVG-CS
12 x coloured loading strips for VG-SYS	VG-CS

Gel Scoops

Ideal for safe and easy transfer of gels from staining or destaining tanks to a transilluminator or similar surface.

ORDERING INFORMATION

Description

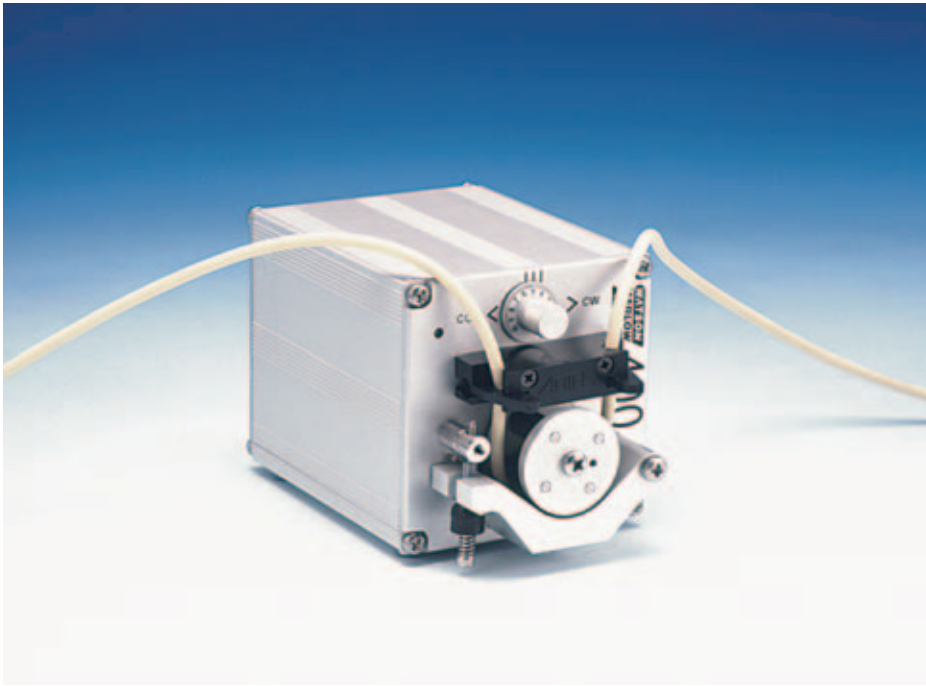
Scoop Area Part No. (W x L)

Green Range

1 x gel scoop for HU6	6 x 8.5cm	HU6-GS
1 x gel scoop for HU10	10 x 14.5cm	HU10-GS
1 x gel scoop for HU13	13 x 15cm	HU13-GS
1 x gel scoop for HU15	15 x 15cm	HU15-GS
1 x gel scoop for HU20 and CHU20	20 x 25cm	HU20-GS
1 x gel scoop for HU25 and CHU25	25 x 32.5cm	HU25-GS

Vari-gel Range

1 x gel scoop for SVG-SYS	7 x 10cm	SVG-GS
1 x gel scoop for TVG-SYS	10 x 15cm	TVG-GS
1 x gel scoop for VG-SYS	15 x 20cm	VG-GS



Buffer Recirculation Pump

The 401U/D1 auto/manual control ultra compact buffer recirculation pump is ideal for those users wishing to maintain buffer recirculation during horizontal gel electrophoresis. The pump can be connected to the HU13, HU15, CHU20, HU20, CHU25, HU25, SVG-SYS, TVG-SYS, VG-SYS and COMET units through buffer recirculation ports located within the lid of each unit.

ORDERING INFORMATION

Description	Rpm	Part No.
401U/D1 (15VAC) 220-240V 50/60Hz 1ph single channel standard tubing pump	20-200	040.1S1D.020
Replacement Parts & Accessories		
1 metre platinum silicone tube, bore 4.0mm / wall 1.6mm		913.A040.016

BENEFITS INCLUDE

- **High flow rate** - single channel flows up to 0.01 to 120ml/min
- **Highly compact** - with single control potentiometer for direction, speed and start/stop
- **Analogue speed control and remote switching via a 15D connector**
- **Reversible** - for easy fluid recovery
- **Continuous tubing**
- **Adjustable occlusion** (pressure)

TECHNICAL SPECIFICATION

Weight	1.0kg
Dimensions (W x H x D)	80 x 84 x 133mm
Operational Temperature Range	5°C to 40°C
Noise	<70dBA at 1m
Control ratio	10:1
Standards	CE, BS0800, IEC335-1, EN60529 (IP21)
Supply	15 Vac from mains transformer

Materials of Construction

Drive	Extruded anodised aluminium
Front Support	Anodised aluminium plate
Pumphead Track	Extruded anodised aluminium
Pumphead Rollers	Acetal
Pumphead Rotor	Aluminium