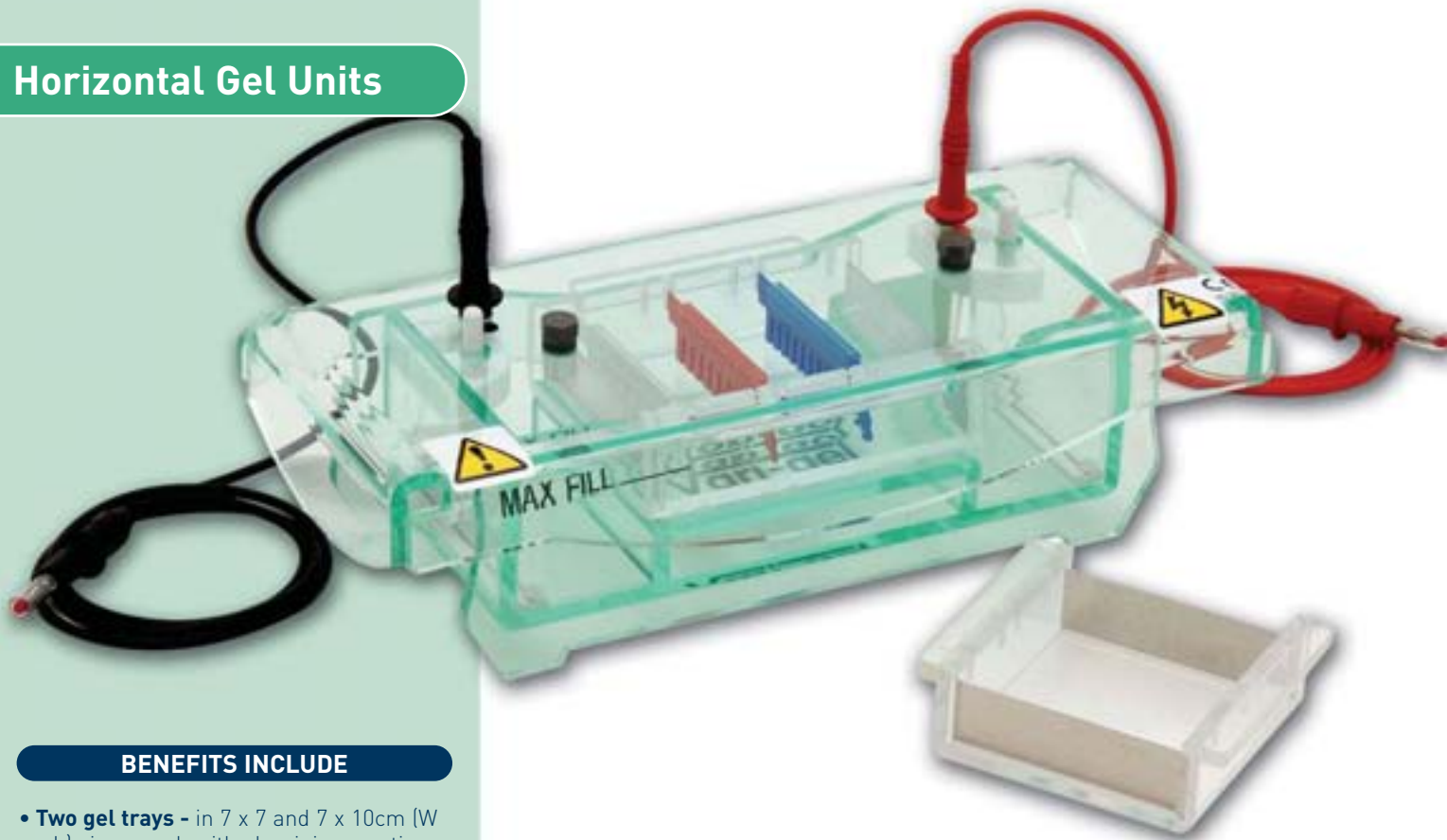


## Horizontal Gel Units



### 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 - offer complete control over loading volume and well depth
- **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 handle the gel on the transilluminator with minimum risk of exposure to hazardous ethidium bromide
- **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-C1-1D	1	1	61	2	300
SVG-C1-2D	1	2	29.5	2	147
SVG-C1-4D	1	4	13.75	2	68
SVG-C1-8	1	8	5.5	2	27
SVG-C1-10	1	10	4	2	20
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-C1.5-1D	1.5	1	61	2	450
SVG-C1.5-2D	1.5	2	29.5	2	220
SVG-C1.5-4D	1.5	4	13.75	2	102
SVG-C1.5-8	1.5	8	5.5	2	40
SVG-C1.5-10	1.5	10	4	2	30
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-C2-1D	2	1	61	2	600
SVG-C2-2D	2	2	29.5	2	290
SVG-C2-4D	2	4	13.75	2	136
SVG-C2-8	2	8	5.5	2	54
SVG-C2-10	2	10	4	2	40
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

D - preparatory combs

### 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

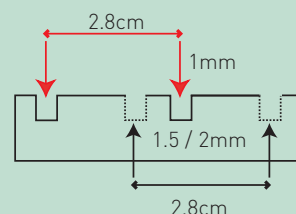
Unit Dimensions (W x L x H)	25 x 11 x 7cm
Gel Size (W x L)	see Trays
Buffer Volume	350ml
Buffer Recirculation Ports	2
Maximum Sample Capacity	48
Combs	2
Comb Thickness	1, 1.5 or 2mm
Comb Throughput	1 to 20 samples
Recommended Running Voltage	75 to 100V
Power Output Connectors (diameter)	Shrouded, 4mm
Recommended Power Supplies	Scie-Plas MPSU-125/200 Consort EV222

## DO YOU NEED...?

AGAROSE	SEE PAGE 136
A GEL LEVELING TABLE	SEE PAGE 40
A POWER SUPPLY	SEE PAGES 100-103
SUPER-SEALS™	SEE PAGE 39
A CUSTOMISED COMB	SEE PAGE 42

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

