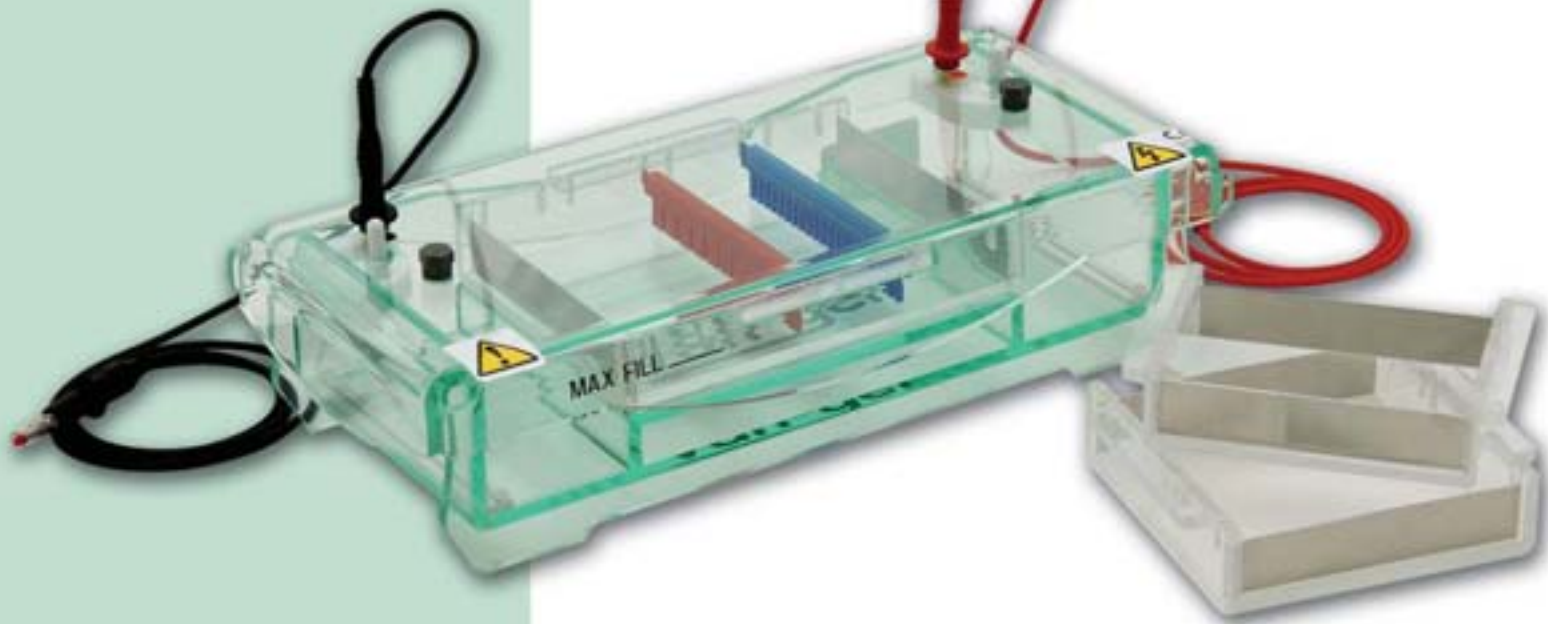


## Horizontal Gel Units



### 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 - 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

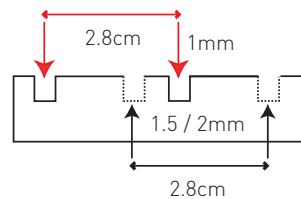


## TVG-SYS Vari-gel MIDI System

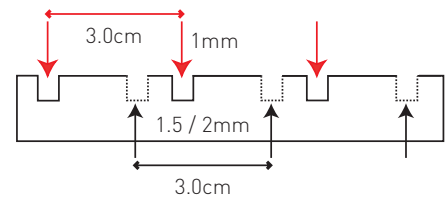
The TVG-SYS Vari-gel midi system is ideal for standard preparatory and analytical electrophoresis techniques.

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

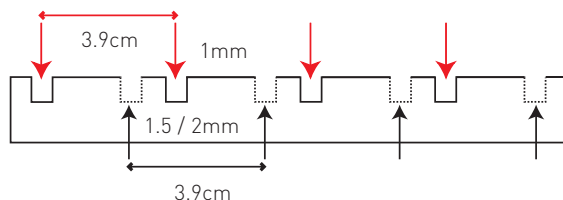
**TVG-GT-7**



**TVG-GT-10**



**TVG-GT-15**



### TRAY OPTIONS

	Tray 1 TVG-GT-7	Tray 2 TVG-GT-10	Tray 3 TVG-GT-15
<b>Part No.</b>	TVG-GT-7	TVG-GT-10	TVG-GT-15
<b>Gel Size (W x L)</b>	10 x 7cm	10 x 10cm	10 x 15cm
<b>Combs Slots</b>	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)
<b>Migration Distance</b>			
Between Comb Slots	2.8cm	3.0cm	3.9cm
<b>Maximum Sample Capacity</b>	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-C1-1D	1	1	88	2	440
TVG-C1-2D	1	2	43	2	215
TVG-C1-4D	1	4	20.5	2	100
TVG-C1-8	1	8	9.25	2	45
TVG-C1-10	1	10	7	2	35
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-C1.5-1D	1.5	1	88	2	660
TVG-C1.5-2D	1.5	2	43	2	320
TVG-C1.5-4D	1.5	4	20.5	2	150
TVG-C1.5-8	1.5	8	9.25	2	65
TVG-C1.5-10	1.5	10	7	2	50
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-C2-1D	2	1	88	2	880
TVG-C2-2D	2	2	43	2	430
TVG-C2-4D	2	4	20.5	2	200
TVG-C2-8	2	8	9.25	2	90
TVG-C2-10	2	10	7	2	70
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

D - preparatory combs

### 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



### 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	1 to 20 samples
Recommended Running Voltage	75 to 125V
Power Output Connectors (diameter)	Shrouded, 4mm
Recommended Power Supplies	Scie-Plas MPSU-200/100 Consort EV222