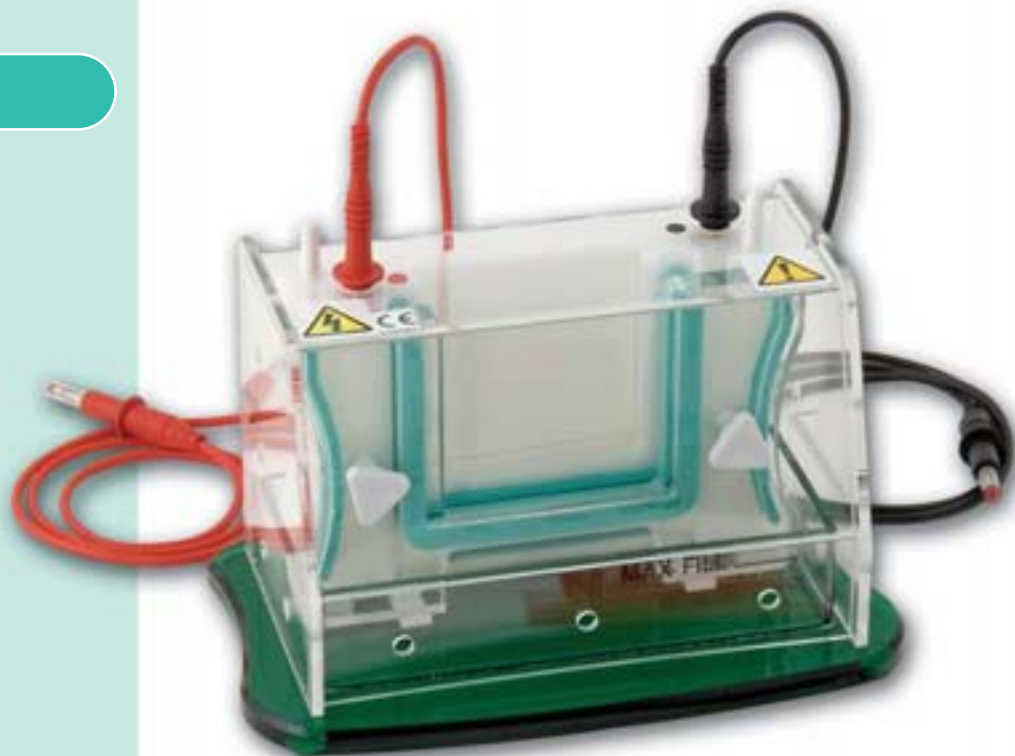


Vertical Gel Units



BENEFITS INCLUDE

- **Single-plate 10 x 10cm mini-gel unit** - a simple, non-cooled cost-effective solution for low throughput PAGE
- **Gel casting** - TV100-MC2 and TV100-MC10 2 and 10 gel multicasters
- **Compatible** - with standard, 10 x 10cm (W x H) commercially available precast gels
- **Optional TV100-SGB silicone gasket** - allows the GRM to be adapted for the 'non-eared' or short glass plates of major competitor brands
- **Float glass plates** - 2mm thick - guarantee uniform gel thickness and even sample migration, and with ground edges to inhibit sample leakage during casting
- **Single screws** - for fast electrophoresis set-up
- **Low buffer volumes** - within the inner chamber of the GRM and bottom reservoir economises buffer consumption
- **Ventilation holes** - prevent the build-up of condensation during electrophoresis
- **Colour-coded combs and spacers** - available in 0.75, 1, 1.5 and 2mm thicknesses
- **Small footprint area** - occupies minimal bench space

The TV50 Single-Plate Mini-Gel Electrophoresis Unit

The TV50 single-plate 10 x 10cm (W x H) mini-gel unit is the ideal cost-effective option for routine, low throughput separation of proteins and nucleic acids in self-cast or commercially available precast gels.

ORDERING INFORMATION

Complete System

	Part No.
Single-plate mini-gel unit with GRM and integral lower buffer chamber, lid, 2 x (10 x 10cm; W x H) plain glass plates	
2 x 1mm spacers, 2 x spacer aligners,	
2 x (10 x 10cm) notched glass plates and 1 x 1mm thick 12-sample comb	TV50

Replacement Parts & Accessories

2 x (10 x 10cm) plain glass plates with 0.75mm bonded spacers for TV50	TV100-PGS0.75
2 x (10 x 10cm) plain glass plates with 1mm bonded spacers for TV50	TV100-PGS1
2 x (10 x 10cm) plain glass plates with 1.5mm bonded spacers for TV50	TV100-PGS1.5
2 x (10 x 10cm) plain glass plates with 2mm bonded spacers for TV50	TV100-PGS2
2 x (10 x 10cm) plain glass plates for TV50	TV100-PG
2 x (10 x 10cm) notched glass plates for TV50	TV100-NG
2 x 0.75mm thick spacers for TV50	TV100-S0.75
2 x 1mm thick spacers for TV50	TV100-S1
2 x 1.5mm thick spacers for TV50	TV100-S1.5
2 x 2mm thick spacers for TV50	TV100-S2
2 x spacer aligners for TV50	TV100-SA
1 x caster system for 2 x (10 x 10cm) gradient mini-gels	TV100-MC2
1 x caster system for 10 x (10 x 10cm) gradient mini-gels	TV100-MC10
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

TV50 Combs

Part No.	Thickness (mm)	Sample Throughput	Tooth Width (mm)	Tooth Height (mm)	Max. Spacing (mm)	Sample Volume / Well (µl)
+TV100-C0.75-1D	0.75	1	70	15	n/a	785
*TV100-C0.75-8MC	0.75	8	6	15	3	67
TV100-C0.75-10	0.75	10	4	15	3	45
TV100-C0.75-12	0.75	12	3.75	15	2.25	42
*TV100-C0.75-16MC	0.75	16	2.5	15	2	28
TV100-C0.75-20	0.75	20	2	15	1.5	22
+TV100-C1-1D	1	1	70	15	n/a	1050
*TV100-C1-8MC	1	8	6	15	3	90
TV100-C1-10	1	10	4	15	3	60
TV100-C1-12	1	12	3.75	15	2.25	56
*TV100-C1-16MC	1	16	2.5	15	2	37
TV100-C1-20	1	20	2	15	1.5	30
+TV100-C1.5-1D	1.5	1	70	15	n/a	1575
*TV100-C1.5-8MC	1.5	8	6	15	3	120
TV100-C1.5-10	1.5	10	4	15	3	90
TV100-C1.5-12	1.5	12	3.75	15	2.25	84
*TV100-C1.5-16MC	1.5	16	2.5	15	2	55
TV100-C1.5-20	1.5	20	2	15	1.5	45
+TV100-C2-1D	2	1	70	15	n/a	2100
*TV100-C2-8MC	2	8	6	15	3	180
TV100-C2-10	2	10	4	15	3	120
TV100-C2-12	2	12	3.75	15	2.25	112
*TV100-C2-16MC	2	16	2.5	15	2	75
TV100-C2-20	2	20	2	15	1.5	60

*Multi-channel compatible

+Suitable for 1-D preparatory or 2-D electrophoresis

TECHNICAL SPECIFICATION

Unit Dimensions (W x D x H)	21.5 x 12.5 x 13.5cm
Bottom Reservoir Dimensions (W x D x H)	16.5 x 6 x 3.5cm
Plate Dimensions (W x H x T)	10 x 10 x 0.2cm
Standard Spacer Dimensions (W x H x T)	1 x 10 x 0.1cm
Active Gel Dimensions (W x H)	8 x 8.5cm
Maximum Sample Capacity	1 x 20
Recommended Buffer Volume	
Inner Buffer Chamber	50ml
Lower Buffer Chamber	250ml
Recommended Running Conditions for Denaturing/Native PAGE Gel	
Voltage	50 - 100V (5 - 10V/cm)
Current	5 - 10mA
Time	1.5 - 2.5h
Power Output Connectors (diameter)	Shrouded, 4mm
Recommended Power Supplies	Consort EV243

Exploded View of a Scie-plas Gel Cassette

