

## Vertical Gel Units

### BENEFITS INCLUDE

- **Single-plate 20.5 x 20cm maxi-gel unit** - a simple, non-cooled cost-effective solution for long distance, higher throughput PAGE techniques
- **Long format** - 17.5cm active gel length provides the longer separation distance needed for gradient gels and other specialist electrophoresis techniques
- **Gel casting** - either with tape or the optional TV400-MC2 and TV400-MC10 2 and 10 gel multicasters
- **Compatible** - with 20.5 x 20cm (W x H) self-cast gels
- **Float glass plates** - 4mm thick - guarantee uniform gel thickness and even sample migration, and with ground edges to inhibit sample leakage during casting
- **Three screws per gel clamp** - apply an even pressure along the height of the gel, ensuring uniform separation
- **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
- **Smaller footprint area** - occupies minimal bench space



## The TV300 Single-Plate Maxi-Gel Electrophoresis Unit

The TV300 single-plate 20.5 x 20cm (W x H) maxi-gel unit is the ideal cost-effective option for routine, higher throughput separation of proteins and nucleic acid samples over a longer distance in large format self-cast gels.

## ORDERING INFORMATION

### Complete System

Single-plate mini-gel unit with GRM and integral lower buffer chamber, lid, 2 x (20.5 x 20cm; W x H) plain glass plates, 2 x 1mm spacers, 2 x spacer aligners, 2 x (20.5 x 20cm) notched glass plates and 1 x 1mm thick 24-sample comb

### Part No.

TV300

### Replacement Parts & Accessories

2 x (20.5 x 20cm) plain glass plates with 0.75mm bonded spacers for TV300

TV400-PGS0.75

2 x (20.5 x 20cm) plain glass plates with 1mm bonded spacers for TV300

TV400-PGS1

2 x (20.5 x 20cm) plain glass plates with 1.5mm bonded spacers for TV300

TV400-PGS1.5

2 x (20.5 x 20cm) plain glass plates with 2mm bonded spacers for TV300

TV400-PGS2

2 x (20.5 x 20cm) plain glass plates for TV300

TV400-PG

2 x (20.5 x 20cm) notched glass plates for TV300

TV400-NG

2 x 0.25mm thick melinex spacers for TV300

TV400-SM0.25

2 x 0.25mm thick melinex spacers for TV300

TV400-SM0.35

2 x 0.75mm thick spacers for TV300

TV400-S0.75

2 x 1mm thick spacers for TV300

TV400-S1

2 x 1.5mm thick spacers for TV300

TV400-S1.5

2 x 2mm thick spacers for TV300

TV400-S2

2 x spacer aligners for TV300

TV400-SA

1 x caster system for 2 x (20.5 x 20cm) gradient gels

TV400-MC2

1 x caster system for 10 x (20.5 x 20cm) gradient gels

TV400-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

## TECHNICAL SPECIFICATION

Unit Dimensions (W x D x H)	32 x 13.5 x 23cm
Bottom Reservoir Dimensions (W x D x H)	27 x 8 x 3.5cm
Plate Dimensions (W x H x T)	20.5 x 20 x 0.4cm
Standard Spacer Dimensions (W x H x T)	2 x 20 x 0.1cm
Active Gel Dimensions (W x H)	16.5 x 17.5cm
Maximum Sample Capacity	1 x 48
Recommended Buffer Volume	
Inner Buffer Chamber	250ml
Lower Buffer Chamber	450ml
Recommended Running Conditions for Denaturing/ Native PAGE Gel	
Voltage	150 - 200V (7.5 - 10V/cm)
Current	10 - 20mA
Time	2.5 - 4h
Power Output Connectors (diameter)	Shrouded, 4mm
Recommended Power Supplies	Consort EV243

## DO YOU NEED...?

ACRYLAMIDE	SEE PAGE 136
PRECAST SDS-PAGE GELS	SEE PAGE 141
A POWER SUPPLY	SEE PAGES 100-103
A GEL DOCUMENTATION SYSTEM	SEE PAGE 108
UV TRANSILLUMINATORS	SEE PAGE 112

### TV300 Combs

Part No.	Thickness (mm)	Sample Throughput	Tooth Width (mm)	Tooth Height (mm)	Max. Spacing (mm)	Sample Volume / Well (µl)
TV400-C0.25-24	0.25	24	4.75	5	2	6
*TV400-C0.25-36MC	0.25	36	2.5	5	2	3
TV400-C0.35-24	0.35	24	4.75	5	2	8
*TV400-C0.35-36MC	0.35	36	2.5	5	2	4
+TV400-C0.75-1D	0.75	1	152	20	n/a	2280
TV400-C0.75-10	0.75	10	11	20	5.5	165
*TV400-C0.75-18MC	0.75	18	6	20	3	90
TV400-C0.75-24	0.75	24	4.75	20	2	71
*TV400-C0.75-36MC	0.75	36	2.5	20	2	37
TV400-C0.75-48	0.75	48	2.35	20	1	35
+TV400-C1-1D	1	1	152	20	n/a	3040
TV400-C1-10	1	10	11	20	5.5	220
*TV400-C1-18MC	1	18	6	20	3	120
TV400-C1-24	1	24	4.75	20	2	95
*TV400-C1-36MC	1	36	2.5	20	2	50
TV400-C1-48	1	48	2.35	20	1	47
+TV400-C1.5-1D	1.5	1	152	20	n/a	4560
TV400-C1.5-10	1.5	10	11	20	5.5	330
*TV400-C1.5-18MC	1.5	18	6	20	3	180
TV400-C1.5-24	1.5	24	4.75	20	2	142
*TV400-C1.5-36MC	1.5	36	2.5	20	2	75
TV400-C1.5-48	1.5	48	2.35	20	1	70
+TV400-C2-1D	2	1	152	20	n/a	6080
TV400-C2-10	2	10	11	20	5.5	440
*TV400-C2-18MC	2	18	6	20	3	240
TV400-C2-24	2	24	4.75	20	2	190
*TV400-C2-36MC	2	36	2.5	20	2	100
TV400-C2-48	2	48	2.35	20	1	94

\*Multi-channel compatible

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