

## Vertical Gel Units

### BENEFITS INCLUDE

- **Twin-plate 20.5 x 20cm maxi-gel unit** - designed specifically for higher resolution PAGE techniques requiring self-cast gels
- **Large format** - 20.5 x 20cm glass plate dimensions are ideal for running higher percentage polyacrylamide gels to resolve smaller proteins of similar MW
- **Two versions available:** -
  - Standard TV400 - non-cooled
  - Cooled TV400K - includes a cooling coil in the bottom of the gel tank
- **Enhanced cooling** - in the TV400YK - snap-lock connectors allow the cooling coil within TV400YK to be connected to the JULABO chiller unit for faster, higher voltage separations
- **Additional gel casting** - with the optional TV400-CB cam-pin casting base or TV400-MC2 and TV400-MC10 2 and 10 gel multicasters
- **Float glass plates** - 4mm thick - guarantee uniform gel thickness and even sample migration, and with ground edges to inhibit sample leakage during casting
- **Triple screws** - on each gel-clamp - act in conjunction with a counterbalanced, dovetailed silicone gasket to disperse pressure evenly along the height and breadth of the gel as the screws are tightened
- **Colour-coded combs and spacers** - available in 0.75, 1, 1.5 and 2mm thicknesses



## TV400 Standard & TV400K Cooled Twin-Plate Maxi-Gel Electrophoresis Units

The TV400 and TV400K twin-plate 20.5 x 20cm (W x H) maxi-gel units offer all the benefits of the TV100 and TV200 units, but in a much larger gel size and with increased sample throughput. A cooling coil within the TV400K gel tank allows faster separations to be performed at high voltage without compromising resolution.

### TECHNICAL SPECIFICATION

	TV400	TV400K
Unit Dimensions (W x D x H)	28.5 x 15 x 27.5cm	38 x 15 x 27.5cm
Inner Tank Dimensions (W x D x H)	27 x 12.5 x 25cm	27 x 12.5 x 25cm
Plate Dimensions (W x H x T)	20.5 x 20 x 0.4cm	20.5 x 20 x 0.4cm
Standard Spacer Dimensions (W x H x T)	2 x 20 x 0.1cm	2 x 20 x 0.1cm
Active Gel Dimensions (W x H)	16.5 x 17.5cm	16.5 x 17.5cm
Maximum Sample Capacity	2 x 48	2 x 48
Recommended Buffer Volume	Inner Buffer Chamber	Inner Buffer Chamber
	700ml	700ml
	Gel Tank	Gel Tank
	4200ml	4200ml
Recommended Running Conditions for Denaturing/Native PAGE Gel	Voltage	175 - 225V (8.75 - 11.25V/cm)
	Voltage	200 - 300V (10 - 15V/cm)
	Current	20 - 30mA
	Current	30 - 40mA
	Time	2.5 - 3.5h
	Time	2 - 2.5h
Snap-lock Connectors for Cooling Coil	Inner Diameter	n/a
	Outer Diameter	10mm
	Outer Diameter	n/a
	Outer Diameter	12mm
Quick-fit Tubing	Inner Diameter	n/a
	Outer Diameter	10mm
	Inner Diameter	n/a
	Outer Diameter	12mm
Power Output Connectors (diameter)	Shrouded, 4mm	Shrouded, 4mm
Recommended Power Supplies	Consort EV243	Consort EV243