

Vertical Gel Units

The TV100 Mini Vertical Gel Unit and Casting System

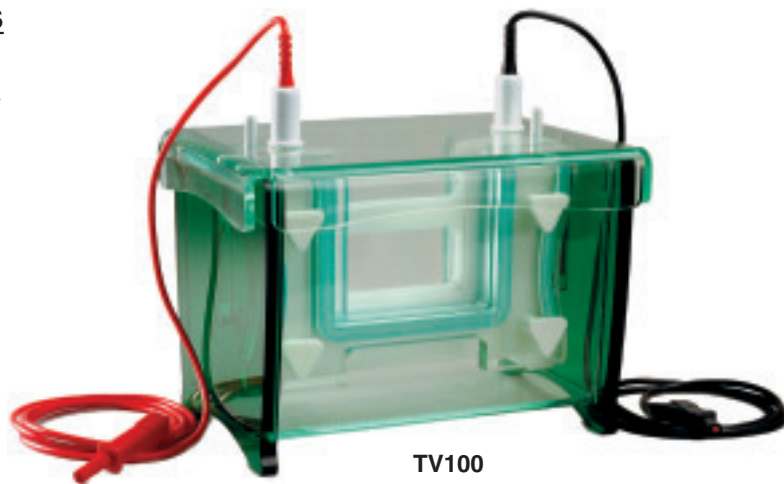
The new Dual Mini Vertical Gel System that enhances both resolution and usability for:

Precast Polyacrylamide Gels

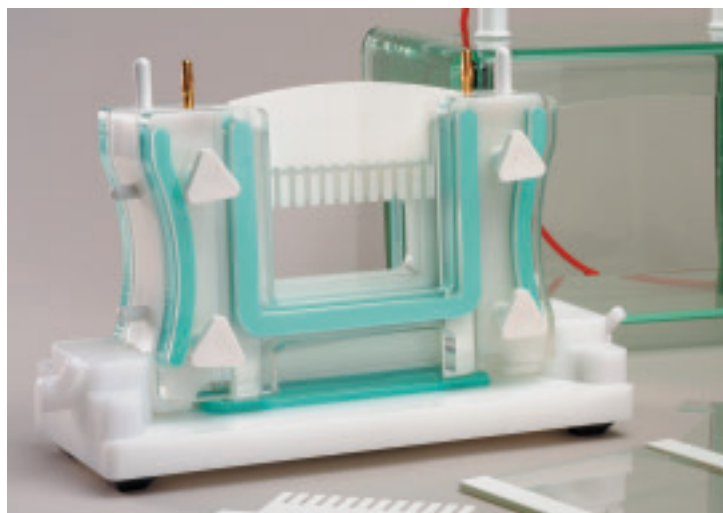
- Compatible with the majority of commercially available precast gels up to 10 x 10cm.
- Quick release gel clamping system for easy gel access.
- Enhanced cooling improves gel resolution.



Compliant



TV100



TV100Y

Handcast Polyacrylamide Gels

- The gel casting system has been modified to make it more user friendly.
- Casting and running performed in the same module to eliminate glass plate transfer.
- Ultra soft silicone casting seals prevent gel leakage.

See overleaf for all technical and ordering Information:

Please contact our Technical department if you have any further questions.

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Vertical Gel Units

Technical Specifications

- The new parallel clamping mechanism ensures even pressure is imparted onto the gel cassettes or glass plates. This eliminates any undue pressure on the gel and so prevents lane distortion.
- The gels are fully submerged in running buffer during electrophoresis, evenly distributing the heat generated and limiting band distortion.
- To further enhance resolution or to reduce run times, additional cooling is provided in the super-cooled tank option, the TV100K.
- The TV100K can be connected to a re-circulating chiller, the K-ELECTRO4 which will keep the temperature of the running buffer below room temperature.
- Hand Cast option comes complete with all necessary accessories.
- Glass plates with bonded spacers are included as standard (handcast only), removing the need to align the spacers manually.
- Asymmetric offset of electrode terminals prevents accidental polarity reversal.

Ordering Information

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Tank + gel running module for PreCast gels | TV100 |
| Super Cooled TV100 | TV100K |
| Complete unit for gel casting. Includes 2 x 2mm notched glass plates, 2 x 2mm plain glass plates with 1mm bonded spacers, 1 x Dummy plate 2 x Combs 1mm 12 Sample and casting base with silicone seals | TV100Y |
| Super Cooled TV100Y | TV100YK |
| Gel running module | TV100-GRM |
| Replacement tank | TV100-TANK |
| Super Cooled Replacement tank | TV100-KTANK |
| Replacement lid | TV100-LID |
| Replacement clamp + gasket set | TV100-CLAMP |
| Screw set for TV100-CLAMP PK4 | TV100-SCW |
| Replacement gasket set (8 per set) for TV100-GRM | TV100-GS |
| Plain 100 X 100 Glass with fixed 0.75mm spacers PK2 | TV100-PGS0.75 |
| Plain 100 X 100 Glass with fixed 1mm spacers PK2 | TV100-PGS1 |
| Plain 100 X 100 Glass with fixed 1.5mm spacers PK2 | TV100-PGS1.5 |
| Plain 100 X 100 Glass with fixed 2mm spacers PK2 | TV100-PGS2 |
| Notched glass 100 X 100 mm PK2 | TV100-NG |
| Plain glass 100 X 100 mm PK2 (requires spacers see V10 range) | TV100-PG |
| Casting base with silicone seals | TV100-CB |
| Electroblotting Module for TV 100. | TV100-EBGRM |

Technical Specifications

| | |
|--------------------------------------------------|--------------------------------------|
| Cassette/plate dimensions, (W x H) | Up to 10 x 10 cm Precast or handcast |
| Unit dimensions (W x D x H) | 20 x 15.5 x 14.5 cm |
| Max. sample capacity | 20 x 2 |
| Buffer volume | min 400 ml max 1,200 ml |
| Combs available No. of samples Thicknesses | 1D,8,10,12,16,20 0.75,1,1.5,2 mm |

Typical
Applications

**Protein and nucleic acid separations,
Mini SDS-PAGE,
Preparative,
Peptide and
Gradient pore separations.**

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