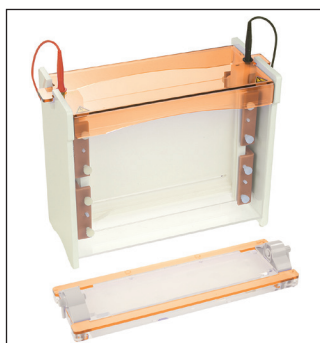


## Clarit-E<sup>®</sup> Maxi Plus for Second Stage 2-D

The 26cm active gel width provides a large gel area to resolve large IEF strips. In combination with the IEF system, this offers a complete package for 2-D electrophoresis. The unit utilises the Clarit-E advanced design features to provide convenient ease of use with high resolution separations.



Rapid set up cooling retains resolution in extended separations and also saves on buffer volume without affecting run quality. Four gels can be resolved per run. A wide range of accessories are available to allow easy transition between 2-D and standard vertical electrophoresis techniques. In particular different types of 2-D comb allow a wide degree of versatility in sample selection and gel set-up.

### Technical Specifications

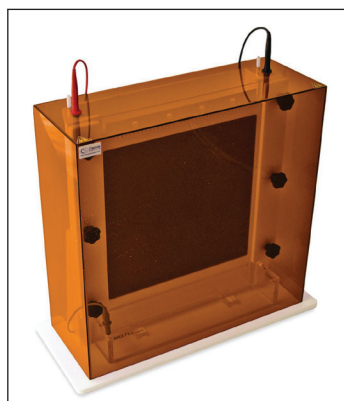
<b>Unit dimensions (W x H x D)</b>	36 x 33 x 18cm
<b>Unit dimensions (W x L)</b>	30 x 22cm
<b>Gel dimensions (W x L)</b>	28 x 20cm
<b>Max. sample</b>	300 samples per run; 75 samples per gel
<b>Buffer volume</b>	Min 1800ml, Max 8400ml
<b>Combs available</b>	1, 2, 4, 28MC, 56MC, 75
<b>No. of samples</b>	
<b>Thickness</b>	0.25, 0.35, 0.5, 1, 1.5, 2.0mm

### Maxi Plus for Second Stage 2-D

Catalogue Number	Description
EL2390	Maxi Plus, 30 x 22cm Dual with Glass plates & bonded 1.5mm spacers, 2 x 28 sample combs, 2 combs, cooling pack, dummy plate
EL2395	Maxi Plus, 30 x 22cm Dual with Glass plates & bonded 1.5mm spacers, 2 x 28 sample combs, 2 combs, cooling pack, dummy plate & casting base
EL2334	Maxi Plus Blot Insert - includes 3 cassettes and 6 fibre pads
EL2318	Dual Caster - Maxi Plus

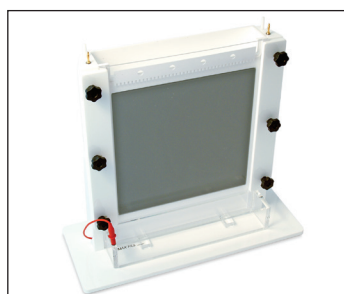
## Clarit-E<sup>®</sup> DNA Sequencing Unit

- Run up to 96 samples
- Enhanced gel heat homogenisation
- Variable low or high buffer volumes
- 20 x 50cm or 33 x 45cm formats



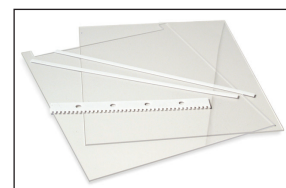
**Typical application:** DNA Sequencing, 2-D analysis, Micro-satellite analysis, DNA fingerprinting, Gel shift assays, Single-Strand Conformation Polymorphism (SSCP), Heteroduplex and Oligonucleotide analysis.

Ideal for a variety of large format vertical gel applications, these units offer advanced features for enhancing gel resolution and ease of use, essential when handling gels of this size. Each unit contains ultra soft silicone seals for easy plate sealing and trouble-free runs, even over extended run times.



Resolution is enhanced by using an aluminium heat sink plate, which is essential for even sample migration.

Added convenience is provided by a removable lower buffer tank and upper buffer drainage tap.



Special buffer chambers allow either low buffer volumes to be used for economy or high buffer volumes to be used for extended runs.

A wide range of interchangeable comb and spacer options allows a large number of techniques to be easily accomplished.

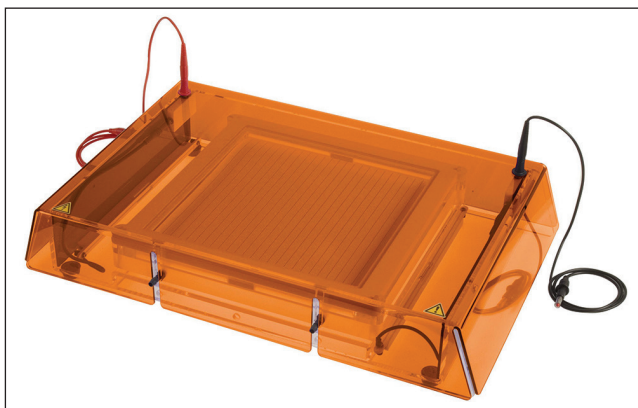
### Technical Specifications

<b>Plate dimensions (W x L)</b>	EL2560 20 x 50cm EL2580 33 x 45cm
<b>Max. sample capacity</b>	EL2560 48 samples EL2580 96 samples
<b>Buffer volume</b>	EL2560 Min 500ml, Max 1000ml EL2580 Min 800ml, Max 2000ml
<b>Combs available: No. of teeth</b>	24, 48, 80, 96
<b>Thicknesses</b>	0.25, 0.35, 1, 1.5mm

### DNA Sequencing Unit

Catalogue Number	Description
EL2560	DNA Sequencing Unit, 20cm wide, Glass plates, 0.35mm spacers, 48 sample comb
EL2580	DNA Sequencing Unit, 33cm wide, Glass plates, 0.35mm spacers, 48 sample comb
EL2594	Fan heater Sensor Lit for DNA Sequencing Unit EL2560 & EL2580

## Clarit-E<sup>®</sup> Isoelectric Focusing



- For IEF strip and gel applications
- Large cooling platform area
- Pick and place easy to position electrodes
- Grid for accurate electrode alignment

The IEF system has been designed to allow the full range of IEF flat bed electrophoresis techniques. These include wick based electrophoresis, precast horizontal IEF gel electrophoresis, hand cast horizontal IEF Gel electrophoresis and Iso Electric focusing using IEF strips. The unit includes enhanced cooling over a large platform which offers increased strip capacity and gel area.

Uniform cooling of the platform is achieved using a large ceramic plate which can be connected to any standard chiller via quick fit connectors for enhanced gel or strip cooling.



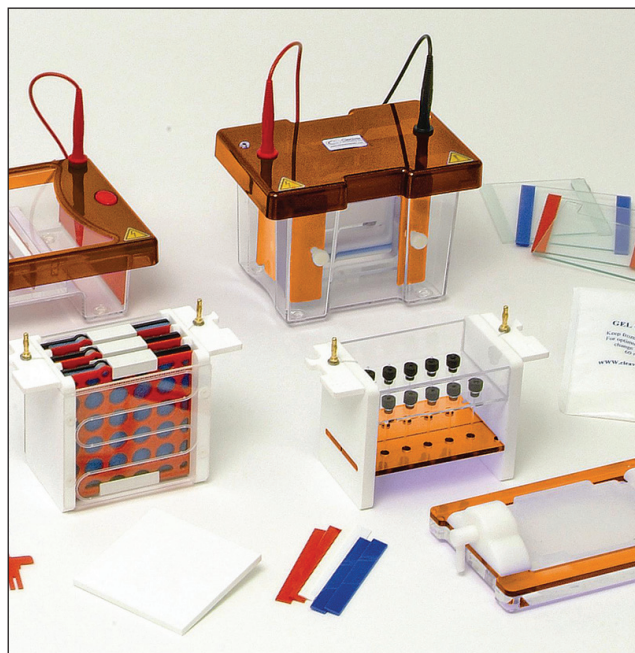
### Technical Specifications

Max strip length	26cm
Max. gel dimensions	26 x 26cm
Unit dimensions (W x D x H)	55 x 35 x 10cm

### Isoelectric Focusing

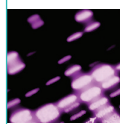
Catalogue Number	Description
EL7000	Flatbed IsoElectric Focusing System, 26 x 26cm
EL7010	Chiller

## Clarit-E<sup>®</sup> Modular Systems



- Economy of bench space and cost
- Enhanced reproducibility
- Simple to use casting
- Rapid cooling set-up

The Clarit-E range of Modular Vertical Gel Systems allow multiple electrophoresis techniques to be performed in the same unit. Using the same main tank and lid, three different inserts are interchangeable for slab gel, tube gel and electroblotting techniques. These systems are available in three size options, Mini 10 x 10cm, Mini Wide 20 x 10cm and Maxi 20 x 20cm and are available as individual, combination or complete modular systems. Combination and modular systems offer maximum value and space and have the added benefit of increased consistency, which results from using the same universal base and lid.



## Clarit-E<sup>®</sup> Mini, Mini Wide & Maxi complete Modular Systems

These systems include all modules and accessories required for Slab Gel Electrophoresis, 2-D Electrophoresis and Electroblotting. The central component is the Clarit-E Mini, Mini Wide or Maxi Vertical unit. These include a rapid and intuitive casting system, enhanced and easy to set up cooling system and have increased capacity – the Mini can run up to four gels per run. In addition, the Clarit-E Tube gel module is capable of resolving up to 10 first dimension gels and the Electroblotting module has a 3-blot capacity.

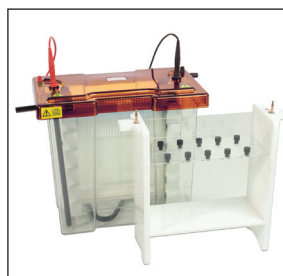
*Complete Modular Systems include: Vertical tank with gel running module, 2x notched glass plates, 2x plain glass plates with bonded spacers, dummy plate, 2x combs, casting base, silicone mat, cooling pack, running module for tube gels, capillary tubes, blanking plugs, 2-D combs, spacers, electroblotting module, 3x compression cassettes and 6x fibre pads.*

## Clarit-E<sup>®</sup> 2-D Complete Systems

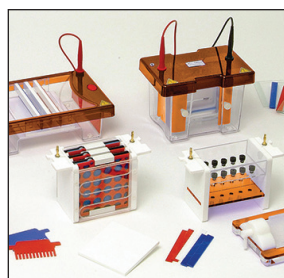
- Rapid set-up electrofocusing
- 10-tube capacity
- Extended accessory range
- Enhanced cooling features

The Clarit-E 2-D Systems include both modules required for Slab Gel and First Dimension Electrophoresis and accessories, to provide a complete Mini, Mini Wide or Maxi 2-D system. The Tube Gel Module includes a rapid release gasket for easy tube extraction. Focusing can be accomplished in as little as three hours in the Mini Unit. Disposable capillary tubes are included for added convenience, plus 2-D combs and spacers, which are colour coded according to thickness for easy identification.

*Complete 2-D System comprising: Vertical tank with gel running module, 2x notched glass plates, 2x plain glass plates with bonded spacers, dummy plate, 2x combs, casting base, silicone mat, cooling pack, running module for tube gels, capillary tubes, blanking plugs, 2-D combs and spacers.*



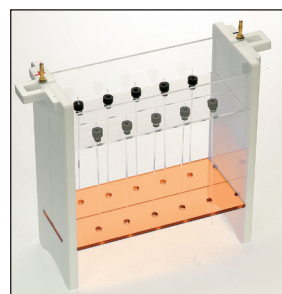
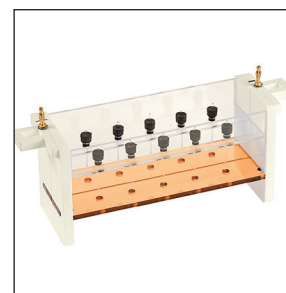
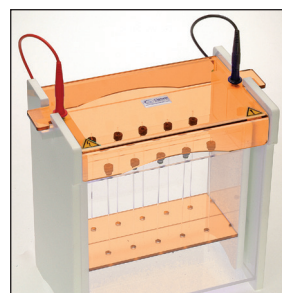
Modules included in the Clarit-E Maxi 2-D system



Modules included in the Clarit-E Mini Wide 2-D system

## Clarit-E<sup>®</sup> Tube Gel Units, Inserts and Accessories

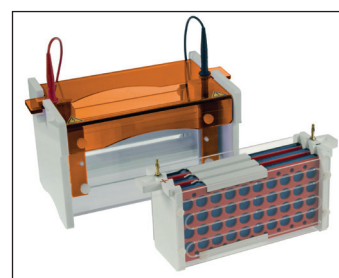
These stand-alone, complete units for first dimension capillary/tube gel electrophoresis are available in 3 sizes, Mini 10 x 10cm, Mini Wide 20 x 10cm and Maxi 20 x 20cm formats. Units are interchangeable with Clarit-E slab gel and electroblotting inserts.



*Clarit-E Tube Gel Units comprise tank and lid, glass capillary tubes, blanking ports and cooling pack.*

## Clarit-E<sup>®</sup> Modular Electroblotting

- Hinged cassettes
- 3-blot capacity
- High intensity electrodes
- Rapid cooling set-up



The Clarit-E Electroblotting Systems include both modules required for Slab Gel Electrophoresis and Electroblotting and accessories, to provide a complete Mini, Mini Wide or Maxi gel casting, running and electroblotting system.

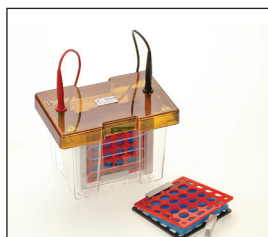
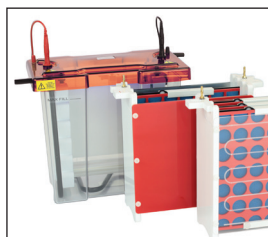
A high intensity current is generated by coiled platinum electrodes. These in conjunction with the advanced cooling features allow rapid electroblotting in as little as one hour.

*Clarit-E Modular electroblotting system comprises: Vertical tank with gel running module, 2x notched glass plates, 2x plain glass plates with bonded spacers, dummy plate, 2x combs, casting base, silicone mat, cooling pack, electroblotting module, 3x compression cassettes and 6x fibre pads.*

## Clarit-E® Electroblotting Units

- Ideal for Western blotting of proteins
- Open design, rigid cassettes for maximum current transfer

These stand-alone, complete units for electroblotting, Mini, Mini Wide and Maxi formats, include Clarit-E tank and lid, electroblotting insert, cassettes and fibre pads. Units are interchangeable with Clarit-E slab and tube gel inserts. Hinged rigid cassettes allow rapid set up and convenience and ensure even contact between the gel and membrane is maintained.



### Technical Specifications

Unit dimensions (W x D x H)	Mini	Mini Wide	Maxi
	19 x 13 x 15cm	26 x 16 x 16cm	26 x 16 x 28cm
Max. sample capacity	Mini	Slab 80 samples, 20 samples/gel, Tube - 10 tubes; Blot - 3 blots	
	Mini Wide	Slab 192 samples, 48 samples/gel, Tube - 10 tubes; Blot - 3 blots	
	Maxi	Slab 192 samples, 48 samples/gel, Tube - 10 tubes; Blot - 3 blots	
Buffer volume	Mini	Min 250ml; Max 1200ml	
	Mini Wide	Min 600ml; Max 2800ml	
	Maxi	Min 1200ml; Max 5600ml	

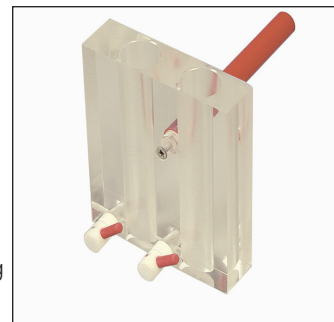
### 2-D and Electroblotting Modular Systems

Mini	Mini Wide	Maxi	Description
EL2200	EL2250	EL2300Z	Complete Electrophoresis System includes tube gel, blotting and vertical system
EL2320	EL2330	EL2340Z	Complete 2-D Electrophoresis includes tube and vertical system
EL2026	EL2096	-	Tube Gel Unit, with capillary tubes, blanking ports and cooling pack
EL2028	EL2098	EL2128Z	Tube Gel Insert includes glass tubes and blanking ports
EL2030	EL2030	EL2130	Capillary Tubes 1mm diameter
EL2356	EL2356	EL2132	Capillary Tubes 1.5mm diameter
EL2032	EL2032	EL2032	Capillary Blanking Ports
EL2400	EL2450	EL2500Z	Complete Blotting System includes vertical system and electroblotting
EL2402	EL2452	EL2502	Blotting System includes tank, 4 cassettes fibre pads and cooling pack
EL2404	-	-	Gel Tank and Blotting unit
EL2034	EL2114	EL2134	Blotting insert including cassettes and fibre pads
EL2036	EL2106	EL2136	Blotting Cassette
EL2038	EL2458	EL2138	Fibre Pads
EL2400-HI	-	EL2500Z-HI	Complete high intensity blotting system (Vertical system and blotting insert)
EL2034-HI	-	EL2134Z-HI	High-intensity blotting insert inc. cassettes and fibre pads

## Clarit-E® Accessories

### Gradient Mixers

Ideal for Caesium, Sucrose and Gel gradients these Gradient Mixers comprise two chambers – a reservoir and a mixing chamber with an interconnecting valve. A second valve regulates the output flow from the mixing chamber. All mixers have a flat base which allows them to be placed on a magnetic stirrer. A magnetic stirring bar can be placed directly in the mixing chamber to ensure a constant gradient. The support rod allows the mixer to be fixed to a retort stand for extra stability.



### Gradient Mixers

Catalogue Number	Description
EL2600	15ml Gradient Mixer
EL2610	25ml Gradient Mixer
EL2615	50ml Gradient Mixer
EL2620	100ml Gradient Mixer
EL2625	500ml Gradient Mixer

### Plate Racks

These sturdy racks are designed for safe drying and storage of glass plates. The small rack can hold up to 20x 2mm thick plates while the larger rack can accommodate up to 10x 5mm thick glass plates.



### Plate Racks

Catalogue Number	Description
EL2630	Mini Glass Plate Rack for 20 x 2mm plates
EL2640	Large Glass Plate Rack for 10 x 5mm plates

### Gel Staining/Blot Boxes

The ideal accessory for incubating blots or staining gels.

The smallest box has dimensions of 9.1 x 6.6cm and a capacity for 3-5ml of solution and is perfect for incubating cut blot strips.

The next box in the range holds 6-10ml of solution and is appropriate for mini gels and blots up to 11.7 x 8.9cm.

Two larger boxes, available in single packs, can be used for staining gels or incubating blots up to 12 x 12cm or 20 x 16.5cm respectively.

### Blot boxes

Catalogue Number	Description	Pack Size
EL9082	Gel/Blot box 9.1 x 6.6cm	10
EL9084	Gel/Blot box 11.7 x 8.9cm	10
EL9086	Gel/Blot box 12 x 12cm	Each
EL9088	Gel/Blot box 20 x 16.5cm	Each