

Clarit-E[®] Mini-300 and Mini-500 Power Supplies



- Enhanced in-built safety features
- Conspicuous 3-digit LED
- Alarm function
- New wipe-clean polycarbonate housing

Superseding the MINI 150V and MINI 300V, the new Mini-300 and Mini-500 power supplies, offer many of the benefits of the MIDI power pack, for the price of a MINI unit. With enhanced features, such as a maximum constant current output of 400mA, and constant voltage up to 300V or 500V. The Mini-300 is capable of running all Clarit-E horizontal electrophoresis systems and vertical mini gel units, either on a continuous run or timed setting of up to 999 minutes.

The Mini-500 is also suitable to run the Mini Wide and Maxi Vertical units.

The user-friendly interface of the Mini-300 and 500 means adjustment in 1V and 1mA increments is easy, making it perfect for separations where precise settings are required.

Both Mini units have two pairs of parallel power terminals, which can run two electrophoresis units simultaneously, and combined with their ultra-compact size, can save time and bench space. A dual voltage rating ensures full portability, and allows easy transportation between laboratories irrespective of their geographical location.

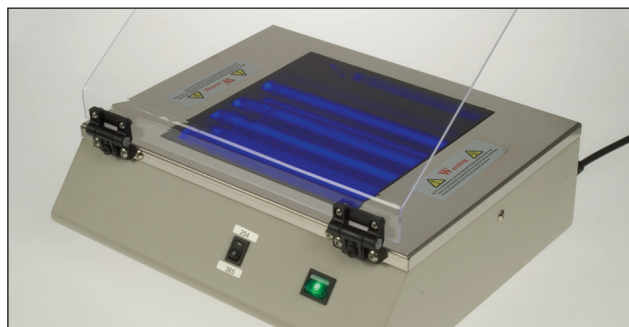
Technical Specifications

Mini	EL2705	EL2707
Voltage	10-300V	10-500V
Current	10-400mA	10-400mA
Max. Power	60W	120W

Mini-300 & Mini-500 Power Supplies and Accessories

Catalogue Number	Description	Pack Size
EL2705	Mini-300 Power supply, 300V, 400A, 60W	Each
EL2707	Mini-500 Power supply, 500V, 400mA, 120W	Each
EL2701	Power supply adapters, 4mm to 4mm	2
EL2702	Power supply adapters, 4mm to 2mm	2
EL2703	Power supply adapters, 2mm to 4mm	2

Clarit-E[®] Transilluminators



- Three wavelength options for added flexibility and convenience: 254/312/365nm
- Two dual-wavelength models
- Long life filter in two size options
- High efficiency reflector
- Hi/Lo intensity switch
- Fast start up

Available in single and dual wavelength formats, in 21 x 21cm and 21x26cm sizes, our transilluminators are supplied either as stand-alone units or with the gel documentation system, as part of a fully integrated system. With a large surface area, each transilluminator serves as the perfect workstation for viewing and working with fluorescently-stained protein and nucleic acid gels.

Standard features include a high/low intensity safety switch and an efficient starter that allows each of the six 8 Watt UV tubes to energise quickly without flickering, prolonging the working life of the UV tubes. Special filter glass minimises unwanted background light. All of these features maximise contrast and sensitivity, allowing even the faintest fluorescent gels to be viewed. Two dual-wavelength models offer added flexibility and convenience.

Technical Specifications

	Small	Large
Filter size	21 x 21cm	26 x 21cm
Light source	8W x 6 tubes	8W x 6 tubes
UV resistant plastic cover (W x D)	33 x 25cm	33 x 25cm
Unit dimensions (W x L x H)	34 x 29.5 x 10cm	34 x 29.5 x 10cm

Transilluminators

Catalogue Number	Description
EL4150	UV Transilluminator small, 21 x 21cm, 254nm
EL4160	UV Transilluminator small, 21 x 21cm, 312nm
EL4170	UV Transilluminator small, 21 x 21cm, 365nm
EL4200	UV Transilluminator small, 21 x 21cm, 254/365nm
EL4210	UV Transilluminator small, 21 x 21cm, 254/312nm
EL4230	UV Transilluminator large, 26 x 21cm, 254nm
EL4240	UV Transilluminator large, 26 x 21cm, 312nm
EL4250	UV Transilluminator large, 26 x 21cm, 365nm
EL4260	UV Transilluminator large, 26 x 21cm, 254/365nm
EL4270	UV Transilluminator large, 26 x 21cm, 254/312nm

Clarit-E[®] Gel Documentation System

- 18 Megapixel digital camera with improved high-sensitivity CMOS sensor and processor
- Image visualised within a large 8" TFT colour monitor
- Light weight compact hood with easy access door and built-in inner lights
- Safety switches disconnect the UV source when the easy access door is opened
- Computer-free operation
- Available on its own with camera and darkroom, or as a complete gel documentation system with transilluminator, either with or without software and wireless memory card



Technical Specifications	
Camera Type	Large APS-C CMOS sensor
Effective Pixels	18 megapixels
Maximum Aperture	f/3.5-5.6
Shutter Speed	30-1/4000 sec. (total range)
Filters	+3 Close up and EtBr; optional SYBR green
Storage Media	4GB memory card; optional Wi-Fi memory card
Computer Interface	Hi-Speed USB (Mini-B compatible)
Video Out	NTSC/PAL
Darkroom: Multi-power Source	For camera, inner white LED, TFT screen
Inner White Light	2 x 3W LED
Safety Device	Safety door switch
Weight & Dims	6.1kg; 29 x 22 x 32cm
Voltage Rating	110 ~ 220V
Screen: Resolution	600 x 800 pixels
Brightness	350 cd/mm ²
Constant Ratio	300 : 1
Display Mode	NTSC / PAL / SECAM mode, auto switching

Now upgraded to a new 18 megapixel digital camera with improved high-sensitivity CMOS sensor and the latest image processor to guarantee superb resolution, the Clarit-E Gel Documentation System is the researcher's choice for a simple ultra-compact gel documentation system that meets constraints in both budget and space within the laboratory. A large 8" TFT screen enables images, including agarose and fluorescent gels, colorimetric gels, autoradiography film and blotting membrane, to be captured in colour, clearly and easily. The system is computer-free and supplied with a 4GB storage card and 55mm ethidium bromide filter as standard, while an optional SYBR filter is also available. Files are saved onto the 4GB storage card in RAW, TIFF-RGB and JPEG formats and may be transferred to computer for analysis with the highly recommended TotalLab 1D software.

Wireless Transfer

This clever system includes convenient wireless transfer of images to a PC or smart device – no cable connection required.

The Clarit-E Gel Documentation System is a simple low-cost system comprising a lift-off dark room hood and 18 megapixel digital camera, through which the gel is viewed directly. This system can be supplied with optional TotalLab™ 1D Analysis Software and any one of our 21 x 21cm transilluminators. Transilluminators supplied in single and dual wavelength formats.

Gel Documentation System

Catalogue Number	Description
EL4000	Gel Doc System, including 18 megapixel digital camera, camera adaptor, 8" TFT colour screen, ethidium bromide filter, camera hood
EL4020	Gel Doc System with UV Transilluminator, 254nm
EL4010	Gel Doc System with UV Transilluminator, 312nm
EL4030	Gel Doc System with UV Transilluminator, 365nm
EL4040	Gel Doc System with UV Transilluminator, 254/312nm
EL4050	Gel Doc System with UV Transilluminator, 254/365nm
EL4080	Ethidium Bromide Filter
EL4090	SyBr Green Filter
EL4072	Thermal Printer with USB connection
EL4075	Replacement Paper for Thermal Printer
EL4100	UV to White Light Transilluminator Screen Converter
EL4002*	Gel Doc System with 1D analysis software

* Software can be included with any gel doc system - please enquire for pricing

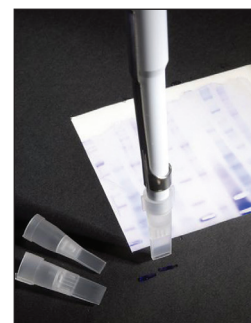
Clarit-E[®] Gel Cutting Tips

A great new tool for Gene Cloning

Rapid, precise and contamination free excision of spots and bands from gels

- Eliminates scalpel damage to transilluminator or gel tray
- Designed for removing bands from agarose and protein gels
- Easy gel slice transfer tips fit standard 1000µl pipettors
- Autoclavable
- DNase and RNase free
- Sterile racked versions are also available

No more scalpels required, these tips offer a unique and convenient way to excise bands from gels. Gel cutting tips allow complete single-handed and contamination-free removal of the gel band of interest. The gel band is neatly extracted and contained in the tip. It can then be simply dispensed into a tube and the used tip ejected and disposed of.



Gel Cutting Tips

Catalogue Number	Description
EL2650	Gel Cutting Tips 4mm x 1mm 250 / bag
EL2650R	Gel Cutting Tips 4mm x 1mm 5x rack of 48
EL2660	Gel Cutting Tips 6.5mm x 1mm 250 / bag
EL2660R	Gel Cutting Tips 6.5mm x 1mm 5x rack of 48