

EL, LM

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

| | | | |
|-----------------------------|---------------------------------|--------------------------------|---------------------------|
| Алматы (7273)495-231 | Казань (843)206-01-48 | Новокузнецк (3843)20-46-81 | Смоленск (4812)29-41-54 |
| Архангельск (8182)63-90-72 | Калининград (4012)72-03-81 | Новосибирск (383)227-86-73 | Сочи (862)225-72-31 |
| Астрахань (8512)99-46-04 | Калуга (4842)92-23-67 | Омск (3812)21-46-40 | Ставрополь (8652)20-65-13 |
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| Белгород (4722)40-23-64 | Киров (8332)68-02-04 | Оренбург (3532)37-68-04 | Тверь (4822)63-31-35 |
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| Иваново (4932)77-34-06 | Мурманск (8152)59-64-93 | Саратов (845)249-38-78 | Челябинск (351)202-03-61 |
| Ижевск (3412)26-03-58 | Набережные Челны (8552)20-53-41 | Севастополь (8692)22-31-93 | Череповец (8202)49-02-64 |
| Иркутск (395)279-98-46 | Нижний Новгород (831)429-08-12 | Симферополь (3652)67-13-56 | Ярославль (4852)69-52-93 |
| Россия (495)268-04-70 | Киргизия (996)312-96-26-47 | Казахстан (7172)727-132 | |

Electrophoresis

Horizontal Gel Units



Horizontal Gel Unit, miniRapide

Compact, self-contained system, ideal for rapid sample checks. Buffer and gel volumes have been minimised and parallel-format electrodes maximise current transfer efficiency, enabling resolution to be completed within 30 minutes. The complete unit can easily be placed on a transilluminator for visualisation reducing process time and potential damage to gels through removal from the tank and transfer.

- ◆ Gel size 10 x 8cm
- ◆ Robust UV transparent plastic construction
- ◆ Gel casting, running and analysis all performed in the unit
- ◆ Safety lid provides complete user protection
- ◆ Corrosion-free, gold-plated connectors and terminals
- ◆ User-replaceable platinum wire electrodes
- ◆ All power connectors recessed and shrouded

Horizontal Gel Unit, miniRapide

As described. Supplied with 2 eight-well, 1.5mm thick combs, and shrouded power supply leads. Requires power supply for operation.

EL225-10 miniRapide

Spare and accessories

EL227-03 Casting dams, pack of 2

EL227-06 Spare platinum wire for electrode replacement, 50cm long

Combs for EL225-10 only, 1.5mm thick, supplied singly.

EL227-12 1-well, with dye track

EL227-16 4-wells

EL227-20 8-wells

EL227-24 12-wells

EL227-28 16-wells*

EL227-32 20-wells*

*Suitable for use with multichannel pipettors.

Horizontal Gel Unit, multiSUB Midi

- ◆ Choice of models offering UV trays for gel sizes: 10 x 7cm, 10 x 10cm
- ◆ Robust, moulded, acrylic construction
- ◆ Large choice of combs
- ◆ Safety lid provides complete user protection

| Models | multiSUB Midi- | 7 | 10 |
|--------------------|----------------|------------------------------|---------|
| Gel size | cm | 10 x 7 | 10 x 10 |
| Buffer volume | ml | 300 — both models | |
| Overall, W x D x H | mm | 220 x 125 x 90 — both models | |

As described. Supplied with removable UV transparent, gel casting tray, loading guides and dams, two 16-well, 1mm thick combs and shrouded power supply leads. Requires power supply for operation.

EL232-15 multiSUB Midi 7

EL232-25 multiSUB Midi 10

EL232-86 Spare positive electrode

EL232-88 Spare negative electrode

EL232-91 10cm UV Gel scoop

Accessory combs for multiSUB Midi units only, supplied singly

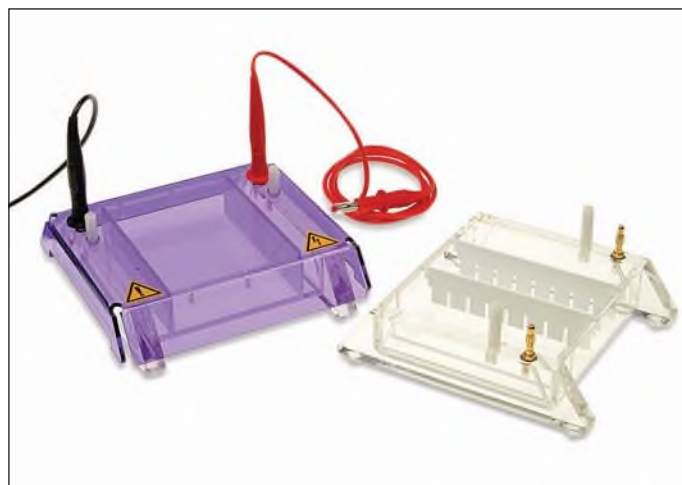
| Thickness mm | Number of Wells | | | |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| | 8 | 10* | 12 | 16 |
| 1 | EL234-11 | EL234-16 | EL234-21 | EL234-26 |
| 1.5 | EL236-11 | EL236-16 | EL236-21 | EL236-26 |
| 2 | EL238-11 | EL238-16 | EL238-21 | EL238-26 |

*Suitable for use with multichannel pipettors.

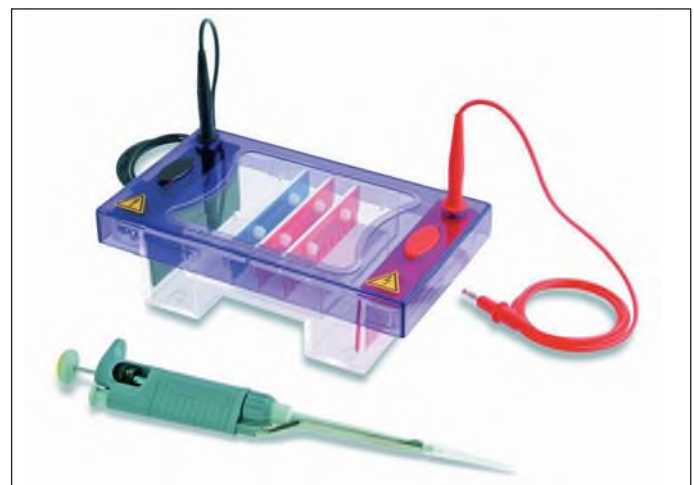
Gel dryers – see **EL335**.

Power supplies – see **EL345**.

Transilluminators – see **LM420**.



EL225-10



EL232

Electrophoresis

Horizontal Gel Units

Horizontal Gel Units, multiSUB Choice, 15cm wide

- ◆ Choice of models offering UV trays for gel sizes: 15 x 7cm, 15 x 10cm, 15 x 15cm
- ◆ Robust, moulded acrylic construction
- ◆ Accessory platinum wire electrodes
- ◆ Safety lid provides complete user protection

| Models | multiSUB Choice- | 7 | 10 | 15 |
|-------------------|------------------|-----------------------------|---------|---------|
| Gel size | cm | 15 x 7 | 15 x 10 | 15 x 15 |
| Buffer volume | ml | 500 — all models | | |
| Overall W x D x H | mm | 265 x 175 x 90 — all models | | |

As described. Supplied with removable UV transparent gel casting tray, loading guides and dams, two 20-well, 1mm thick combs and shrouded power supply leads. Requires power supply for operation.

- EL239-10** multiSUB Choice 7
- EL239-15** multiSUB Choice 10
- EL239-20** multiSUB Choice 15
- EL239-50** 15cm UV Gel scoop

Accessory combs for multiSUB Choice units only, supplied singly

| Thickness mm | Number of Wells | | | |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| | 12 | 16 | 18* | 28* |
| 1 | EL242-12 | EL242-17 | EL242-18 | EL242-28 |
| 1.5 | EL243-12 | EL243-17 | EL243-18 | EL243-28 |
| 2 | EL244-12 | EL244-17 | EL244-18 | EL244-28 |

*Suitable for use with multichannel pipettors.

Horizontal Gel Units, multiSUB Maxi, 20cm wide

Generally as EL239-series but larger, with UV trays for gel sizes 20 x 10cm or 20 x 20cm.

| Models | multiSUB Maxi- | 10 | 20 |
|-------------------|----------------|-----------------------------|---------|
| Gel size | cm | 20 x 10 | 20 x 20 |
| Buffer volume | ml | 1200 — all models | |
| Overall W x D x H | mm | 395 x 230 x 90 — all models | |

As described. Supplied with removable gel casting tray, loading guides and dams, two 20-well, 1mm thick combs and shrouded power supply leads. Requires power supply for operation.

- EL245-30** multiSUB Maxi 10
- EL245-50** multiSUB Maxi 20
- EL245-86** Spare positive electrode
- EL245-88** Spare negative electrode
- EL245-91** 20cm UV Gel scoop

Accessory combs for multiSUB Maxi units only, supplied singly

| Thickness mm | Number of Wells | | | |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| | 10 | 16 | 25 | 40* |
| 1 | EL246-10 | EL246-16 | EL246-25 | EL246-40 |
| 1.5 | EL247-10 | EL247-16 | EL247-25 | EL247-40 |
| 2 | EL248-10 | EL248-16 | EL248-25 | EL248-40 |

*Suitable for use with multichannel pipettors.

Alternative comb configurations are available – details on request.

Transilluminators

Transilluminators, UVP TFM-V

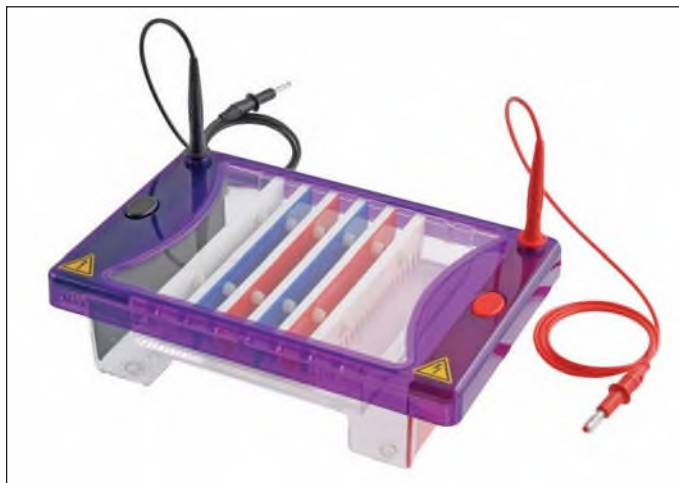
High performance, mid-range (302nm) transilluminators for viewing fluorescent materials or fluorescent-dyed samples within electrophoresis gels. With 25W tubes for high intensity performance and uniform background UV illumination. Variable intensity output allows either analytical documentation work or reduced photonicking or bleaching of gel samples during prep work, respectively. Robust sturdy construction with adjustable angle UV blocking cover to shield the operator from harmful UV radiation. Overall 486 x 337 x 143mm W x D x H. Weight 9kg. For 230V 50/60Hz a.c. single phase supplies.

| | Model | Filter size, cm | Tubes, W |
|-----------------|----------|-----------------|----------|
| LM420-22 | TFM-20-V | 20 x 20 | 25 |
| LM420-28 | TFM-26-V | 21 x 26 | 25 |
| LM420-32 | TFM-30-V | 25 x 30 | 25 |
| LM420-42 | TFM-40-V | 20 x 40 | 25 |

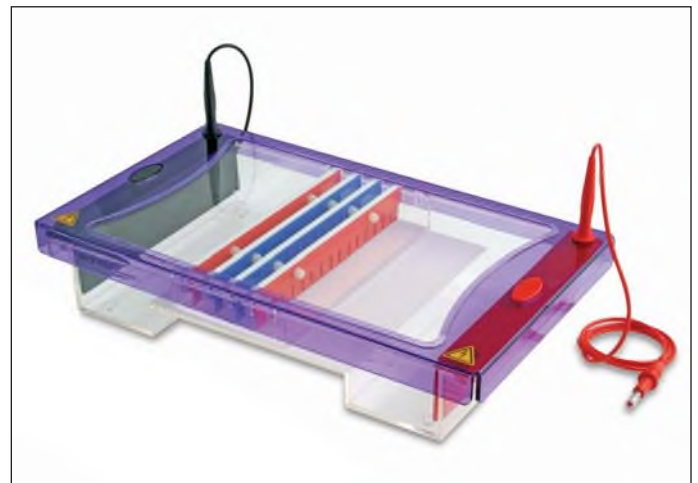
Note: Suitable eyewear must be worn when using these transilluminators – see LM370.



LM420



EL239



EL245

Electrophoresis

Vertical Gel Units



- ◆ Choice of models:
 - for 10 x 10cm plates, gel size 7.5 x 8cm
 - for 20 x 20cm plates, gel size 16 x 17.5cm
- ◆ Up to four gels accommodated
- ◆ Accessory platinum wire electrodes
- ◆ Injection moulded acrylic construction
- ◆ Platinum wire electrodes
- ◆ Safety lid with one-way fitting provides user protection
- ◆ Glass plates with bonded spacers are included removing the need for manual spacer alignment

| Model | | Mini | Maxi |
|------------------|---------|---------|-----------|
| Plate dim. W x D | cm | 10 x 10 | 20 x 20 |
| Gel dim. W X D | cm | 7.5 x 8 | 16 x 17.5 |
| Buffer volume | min. ml | 250 | 1200 |
| | max. ml | 1200 | 5600 |
| Overall | H mm | 150 | 280 |
| | W mm | 190 | 260 |
| | D mm | 130 | 160 |

- ◆ Parallel clamping mechanism ensures even pressure into gel cassettes or glass plates, preventing lane distortion

Alternative comb configurations and spacer sets are available – details on request.

Power supplies – see EL340.

Recirculating chillers – see CL110.

Vertical Gel Unit, omniPAGE Mini

As described. For up to four 10 x 10cm gels. Supplied with four plain glass plates with bonded 1mm thick spacers, one dummy plate, two 12-well 1mm thick sample combs, casting base with soft silicone seals, cover, shrouded power supply leads and a cooling gel pack which can be used to reduce running times and enhance resolution.

EL272-05 omniPAGE Mini

EL272-08 Accessory electroblotting module for EL272-05

Accessory combs for omniPAGE Mini units only, supplied singly

| Thickness mm | Number of Wells | | | |
|--------------|-----------------|-----------------|-----------------|-----------------|
| | 1† | 8* | 12 | 20 |
| 0.75 | EL272-12 | EL272-14 | EL272-16 | EL272-18 |
| 1 | EL272-20 | EL272-22 | EL272-24 | EL272-26 |
| 1.5 | EL272-28 | EL272-30 | EL272-32 | EL272-34 |
| 2 | EL272-46 | EL272-48 | EL272-50 | EL272-52 |

† With additional dye track. *Suitable for use with multichannel pipettors.

Vertical Gel Unit, VS20WAVE Maxi

As described. For up to four 20 x 20cm gels. Supplied with four plain glass plates with bonded 1mm thick spacers, one dummy plate, two 24-well 1mm thick sample combs, casting base with soft silicone seals, cover and shrouded power supply leads.

EL274-20 VS20WAVE Maxi

EL274-27 Accessory electroblotting module for EL274-20

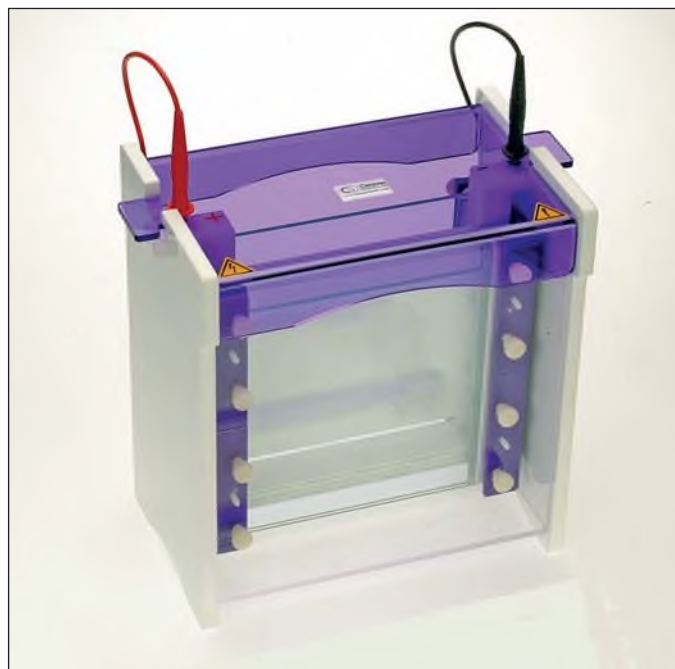
Accessory combs for VS20WAVE Maxi units only, supplied singly

| Thickness mm | Number of Wells | | | |
|--------------|-----------------|-----------------|-----------------|-----------------|
| | 1† | 10 | 18* | 30 |
| 0.75 | EL274-33 | EL274-37 | EL274-40 | EL274-43 |
| 1 | EL274-45 | EL274-49 | EL274-52 | EL274-55 |
| 1.5 | EL274-57 | EL274-61 | EL274-64 | EL274-67 |
| 2 | EL274-69 | EL274-73 | EL274-76 | EL274-79 |

† With additional dye track. *Suitable for use with multichannel pipettors.



EL272



EL274

Electrophoresis

Large Format Vertical Electrophoresis Units



Ideal for a variety of large format gel application, including DNA sequencing, 2-D analysis, micro-satellite analysis, DNA fingerprinting, gel shift assays, single-strand conformation polymorphism (SSCP), heteroduplex and oligonucleotide analysis.

- ◆ Choice of models offering gel sizes:
 - 20 x 50cm
 - 33 x 45cm
- ◆ Robust acrylic construction
- ◆ Ultra-soft seals ensure that an even, parallel pressure is applied to the gel plate
- ◆ Integral aluminium heat sink plate providing enhanced resolution and even sample migration
- ◆ Low or high buffer volumes possible for economy or extended run use, respectively
- ◆ Corrosion-free, gold-plated connectors and terminals
- ◆ Platinum wire electrodes with assymetric offset fitting to prevent accidental polarity reversal

| Model | | CSQ20 | CSQ33 |
|---------------|-----------|---------|---------|
| Gel size | cm | 20 x 50 | 33 x 45 |
| Buffer volume | | | |
| | min. ml | 500 | 800 |
| | max. ml | 1000 | 2000 |
| Overall | | | |
| | Height mm | 550 | 500 |
| | Width mm | 300 | 450 |
| | Depth mm | 160 | 160 |

Large Vertical Gel Units

As described. Supplied with integral aluminium heat sink plate, gel casting module, two each notched and plain float glass plates, one set of 0.35mm thick spacers and one 48-well 0.35mm thick sharks tooth comb. Require power supply for operation.

EL305-10 CSQ20
EL305-20 CSQ33

Alternative comb configurations and spacer sets are available – details on request.

Power supplies – see EL340.

Accessory combs for CSQ20 only, supplied singly

| | Wells | Thickness, mm | Well vol. l* |
|---------------------|-------|---------------|--------------|
| Sharks tooth | | | |
| EL306-03 | 24 | 0.25 | 7 |
| EL306-06 | 48 | 0.25 | 3 |
| EL306-09 | 24 | 0.35 | 40 |
| EL306-12 | 48 | 0.35 | 20 |
| Square tooth | | | |
| EL306-15 | 24 | 1.00 | 7 |
| EL306-18 | 48 | 1.00 | 9 |
| EL306-21 | 24 | 1.50 | 35 |
| EL306-24 | 48 | 1.50 | 20 |

*Sample volume for a 5mm thick gel.

Spacer sets and spare glass plates for CSQ20 only

Spacer sets

| | | | |
|-----------------|--------------|-----------------|--------------|
| EL306-60 | 0.25mm thick | EL306-68 | 1.00mm thick |
| EL306-64 | 0.35mm thick | EL306-70 | 1.50mm thick |

Glass plates

| | | | |
|-----------------|----------------------------------|-----------------|--------------------------------|
| EL306-75 | Glass plates, notched, pack of 2 | EL306-77 | Glass plates, plain, pack of 2 |
|-----------------|----------------------------------|-----------------|--------------------------------|

Accessory combs for CSQ33 only, supplied singly

| | Wells | Thickness, mm | Well vol. l* |
|---------------------|-------|---------------|--------------|
| Sharks tooth | | | |
| EL309-04 | 48 | 0.25 | 9 |
| EL309-07 | 96 | 0.25 | 5 |
| EL309-10 | 48 | 0.35 | 60 |
| EL309-13 | 96 | 0.35 | 30 |
| Square tooth | | | |
| EL309-16 | 48 | 1.00 | 9 |
| EL309-19 | 80 | 1.00 | 6 |
| EL309-22 | 48 | 1.50 | 50 |
| EL309-25 | 80 | 1.50 | 30 |

*Sample volume for a 5mm thick gel.

Spacer sets and spare glass plates for CSQ33 only

Spacer sets

| | | | |
|-----------------|--------------|-----------------|--------------|
| EL309-60 | 0.25mm thick | EL309-68 | 1.00mm thick |
| EL309-64 | 0.35mm thick | EL309-70 | 1.50mm thick |

Glass plates

| | | | |
|-----------------|----------------------------------|-----------------|--------------------------------|
| EL309-75 | Glass plates, notched, pack of 2 | EL306-77 | Glass plates, plain, pack of 2 |
|-----------------|----------------------------------|-----------------|--------------------------------|



EL305

Electrophoresis

omniGELDRYERS



Versatile, efficient gel dryer systems with heating membrane and provision for accessory vacuum pump connection.

- ◆ Choice of models for gel sizes up to:
 - 21 x 31cm L x W - Model GDVH21
 - 35 x 45cm L x W - Model GDVH35
- ◆ Drying temperature range ambient to +90°C
- ◆ Digital set and read displays for temperature and time (heat and vacuum)
- ◆ Timer setting 1 to 999 minutes with alarm at end of timed period
- ◆ The pump timer can switch off the pump separately after the heating period has elapsed
- ◆ Cast aluminium base assists even heat distribution

Gel Dryers

As described. Supplied with stainless steel screen, rubber overlay sheet, mask and power supply lead. Overall W x D x H 300 x 360 x 80mm (GDVH21), 440 x 500 x 8mm (GDVH35), weight 2.5kg. For 230V 50Hz single phase supplies. Require, but do not include, vacuum pump for operation.

EL335-60 GDVH21

EL335-80 GDVH35

Suitable pumps for use with EL335-series - see PX443-22, PX474-75 or PX447-30.



EL335-60, EL335-80 is similar

Electrophoresis Power Supplies

Easy-to-use power supplies for routine electrophoresis applications.

- ◆ Fully programmable, up to 9 programmes each with 9 parameter sets can be stored in non-volatile memory
- ◆ Integral timer with alarm at end of run
- ◆ Automatic run continuation when power restored
- ◆ Twin line, alphanumeric LCD readout, 2 x 16 characters
- ◆ Datalogging facility holds up to 3600 values (voltage, current and power, time or volthours) including programme number and step
- ◆ RS232 control port allows remote control via users' PC

Safety features

- ◆ Automatic disconnection of a.c. power from the high voltage transformer if a ground leakage of greater than 500 A is detected
- ◆ Fully protected against any overload condition including accidental short circuit of the output
- ◆ High voltage increases smoothly when one of the pre-set limits is reached, no sudden voltage surge occurs at the outputs
- ◆ Galvanic RS232 input/output insulation prevents ground loop interferences when connected to a computer

| | | | |
|-----------------------------|---|--------------------------------|------------------------------|
| <i>Model</i> | EV1450 | EV3330/EV3620 | EV2650/EV3150 |
| <i>Timer</i> | 0 to 99 hours 59 minutes, 0 to 99.9 KWh — all models | | |
| <i>Programmes</i> | 9 sets of 9 parameters — all models | | |
| <i>Outputs</i> | 4 in parallel 4mm sockets | 4 in parallel 4/2mm sockets | 4 in parallel 4mm sockets |
| <i>No load detection</i> | On/off, programmable — all models | | |
| <i>Overall W x D x H mm</i> | 240 x 200 x 130 | 310 x 260 x 150 | 310 x 260 x 150 |
| <i>Weight kg</i> | 3 | 10 | 10 |

Power Supplies, EV-Series

As described. Constant voltage, current and power. For 210-250V 50/60Hz single phase supplies. Supplied with manual and mains lead. Models EV3330 and EV3620 are additionally supplied with four pairs of 2mm/4mm adapters.

| | <i>Model</i> | <i>V</i> | <i>mA</i> | <i>W</i> |
|-----------------|--------------|----------|-----------|----------|
| EL345-12 | EV1450 | 400 | 500 | 50 |
| EL345-20 | EV3330 | 3000 | 300 | 300 |
| EL345-30 | EV3620 | 6000 | 150 | 300 |
| EL345-40 | EV2650 | 600 | 500 | 150 |
| EL345-50 | EV3150 | 1200 | 500 | 300 |



EL345

Electrophoresis

Gel Documentation System, microDOC

- ◆ 10 megapixel digital camera
- ◆ Lightweight hood with switched access door which turns on the internal lighting and can switch off the transilluminator if required
- ◆ Separate power and light switches
- ◆ Fitted with ethidium bromide filter
- ◆ Includes flash card and reader for file transfer to the users' PC, if required

Gel Documentation system, microDOC

Simple, low-cost, gel documentation system with built in 8" TFT colour LCD screen which allows use without the need for a separate computer. A variety of images can be captured from agarose and other fluorescent gels, colorimetric gels, autoradiography film and blotting membranes.

Camera specifications

| | |
|----------------------|--|
| Effective pixels | 10,000,000 |
| Sensor CCD | 1/1.7 high density: total pixels 10 million |
| Max. field of view | cm 29 x 22 |
| Resolution | pixels 640 x 480 to 3264 x 2448 |
| Lens | 5 x optical zoom / 4 x digital zoom, 8.9 to 71.2mm |
| Focal ratio | F/2.8 to F/4.5 |
| File formats saved | RAW, Tiff-rgb, jpeg |
| Auto focus | Contract-detect through the lens (TTL) AF with AF-assist illuminator |
| Focus-area selection | Five-area multi AF, manual selection available |
| Filter | 55mm ethidium bromide |

Hood specifications

| | | |
|-----------------------|----|-------------------------------------|
| Dimensions, W x D x H | mm | 290 x 220 x 320 |
| Internal illumination | | 2 x white fluorescent tube lamps |
| Display | | 960 x 234mm colour TFT LCD screen |
| Display modes | | NTC /PAL/SECAM mode, auto switching |
| Weight | kg | 6.1 |

As described. Supplied with flash memory card, memory card reader and ethidium bromide filter. Without transilluminator. For 110-220V 50Hz single phase supplies.

- EL380-10** microDOC system
- EL380-65** SyBr green filter
- EL380-67** Spare ethidium bromide filter

Transilluminators - see LM420-series.

Transilluminators

Transilluminators, UVP TFM-V

High performance, mid-range (302nm) transilluminators for viewing fluorescent materials or fluorescent-dyed samples within electrophoresis gels. With 25W tubes for high intensity performance and uniform background UV illumination. Variable intensity output allows either analytical documentation work or reduced photonicking or bleaching of gel samples during prep work, respectively. Robust sturdy construction with adjustable angle UV blocking cover to shield the operator from harmful UV radiation. Overall 486 x 337 x 143mm W x D x H. Weight 9kg. For 230V 50/60Hz a.c. single phase supplies.

| | Model | Filter size, cm | Tubes, W |
|-----------------|----------|-----------------|----------|
| LM420-22 | TFM-20-V | 20 x 20 | 25 |
| LM420-28 | TFM-26-V | 21 x 26 | 25 |
| LM420-32 | TFM-30-V | 25 x 30 | 25 |
| LM420-42 | TFM-40-V | 20 x 40 | 25 |

Note: Suitable eyewear must be worn when using these transilluminators – see LM370.



EL380-10 in use on transilluminator



LM420

Electrophoresis

Clinical Cellulose Acetate Electrophoresis System



Compact, high resolution system for clinical electrophoresis and research applications, using both standard and wet cellulose acetate strips.

- ◆ Can accommodate gels up to 24 x 20cm
- ◆ Accessory software and flatbed scanner available for densitometry measurements

Horizontal Gel Unit

Comprises horizontal tank and cover with adjustable strip support for accommodating various cellulose acetate strip lengths. Supplied with shrouded power supply leads. Overall 300 x 300 x 60mm W x D x H.

EL400-10 CSL CELLAS

Glob AL Scan Software

Densitometry software for use with accessory scanner via the user's computer. Requires Windows-compatible computer and scanner for operation.

EL402-05 CSL DENS

Flatbed Scanner

For use with Glob AL scan software via the user's computer. For 230V 50Hz single phase supplies.

EL402-15 CSL SCAN

Gel Strips, CellasGel

Wet, cellulose acetate gel strips which can be used for a wide variety of clinical electrophoresis applications including haemoglobin serum proteins, urine proteins, iso-enzymes, lipo- and glycoproteins. Supplied in packs as indicated.

| | W x L, cm | Thickness, m | Pack qty. |
|-----------------|-----------|--------------|-----------|
| EL402-22 | 2.5 x 14 | 250 | 100 |
| EL402-24 | 2.5 x 14 | 200 | 100 |
| EL402-26 | 2.5 x 17 | 200 | 25 |
| EL402-33 | 5.7 x 14 | 250 | 25 |
| EL402-35 | 5.7 x 14 | 200 | 25 |

Alternative gel strips and accessories are available - *details on request.*

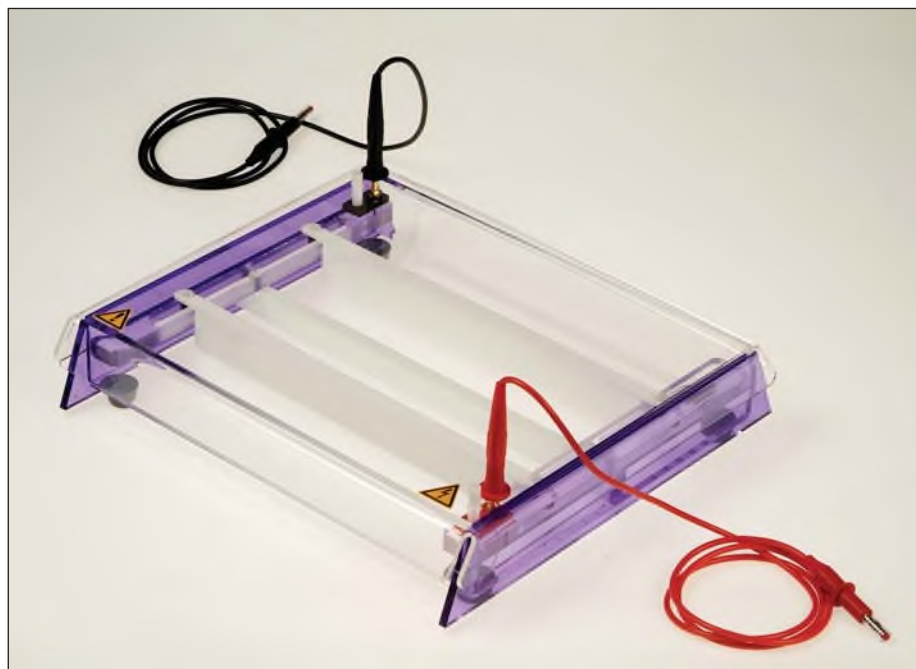
Gel Loading tips



For loading samples into acrylamide or agarose gels.

- ◆ Choice of tip profile:
 - round, for loading SDS PAGE gels
 - flat, for loading sequencing gels
- ◆ Long-nose for easier access to vessel bases and gel wells
- ◆ Natural polypropylene
- ◆ For use with the following makes of pipettor: Biohit, Eppendorf, Finnpiptette, Brand, Gilson P20/P100/P200, Nichipet, Rainin, Socorex, Volac
- ◆ Check graduation at 5µl
- ◆ Packed in racks as indicated

| Cat. No. | Tip | Pack qty. |
|-------------------------|-------|-----------|
| 5-200µl capacity | | |
| EL450-65 | round | 2 x 200 |
| EL450-75 | flat | 2 x 200 |



EL400



EL450

По вопросам продаж и поддержки обращайтесь:

| | | | |
|-----------------------------|---------------------------------|--------------------------------|---------------------------|
| Алматы (7273)495-231 | Казань (843)206-01-48 | Новокузнецк (3843)20-46-81 | Смоленск (4812)29-41-54 |
| Архангельск (8182)63-90-72 | Калининград (4012)72-03-81 | Новосибирск (383)227-86-73 | Сочи (862)225-72-31 |
| Астрахань (8512)99-46-04 | Калуга (4842)92-23-67 | Омск (3812)21-46-40 | Ставрополь (8652)20-65-13 |
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