omniPAGE Isoelectric Focusing

Equipped with rehydration and focusing trays, the Cleaver Scientific IEF system has been optimised to perform first-dimension isoelectric focusing (IEF) with IPG (immobilised pH gradient) strips quickly, easily and reproducibly. It can also be used with precast IEF Gels.

An ideal entry-level system for both experienced and occasional IEF users, the unit is versatile enough to meet the needs of laboratories with increased throughput requirements as well as first time users.

HIGH CAPACITY

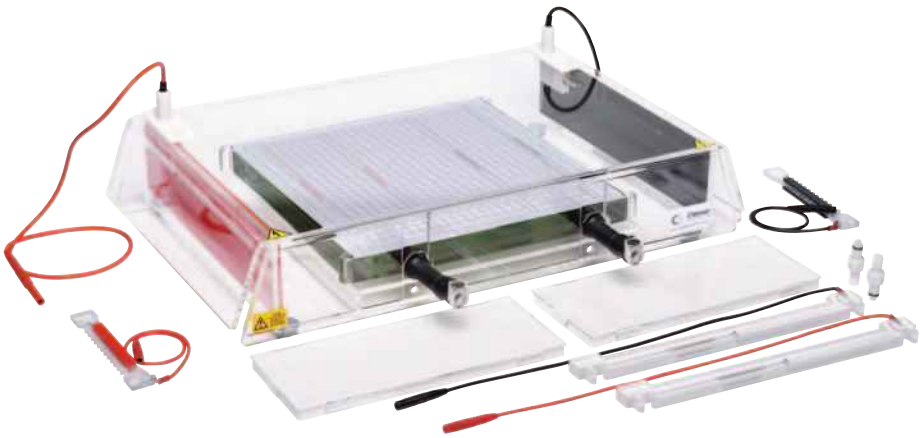
Its high-capacity focusing tray accommodates up to twelve IPG strips. Adjustable 'pick-and-place' electrodes clip conveniently anywhere within the focusing tray to resolve IPG strips 7-24cm in length and are colour-coded to prevent polarity reversal. The Electrode frame clips directly on to the cooling plate and includes adjustable electrodes to run horizontal precast IEF gels.

A cooling plate, manufactured from a special grade ceramic in a large 26x26cm surface area, facilitates effective heat dissipation and control, particularly during high voltage IEF techniques. An optional, but recommended, recirculating chiller connects quickly and easily to the cooling plate to maintain optimal operating temperatures for IPG strips and precast gels.

REHYDRATION

The Rehydration tray allows convenient transfer of IPG strips to the focusing tray without time-consuming removal of residual rehydration buffer and also enables the focusing tray to remain permanently in use for IEF to maximise throughput and provides useful storage at -20°C for focused strips before second-dimension runs.

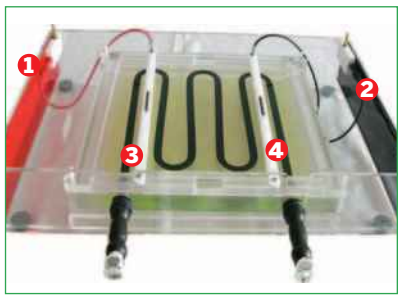
For those requiring a power supply, the Consort EV3330, 3000V, 300mA, 300W enables desired Volt-hours for focusing to be attained faster at maximum voltage.



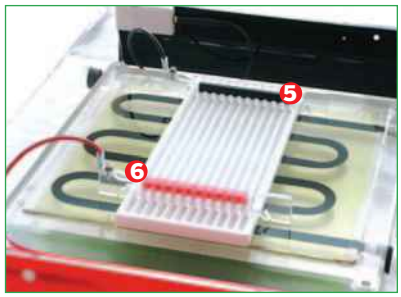
KEY FEATURES

- For IPG strips and IEF gels
- Large cooling platform area
- 'Pick-and-Place' adjustable electrodes
- Focusing tray for a maximum twelve IPG strips
- Rehydration tray also included

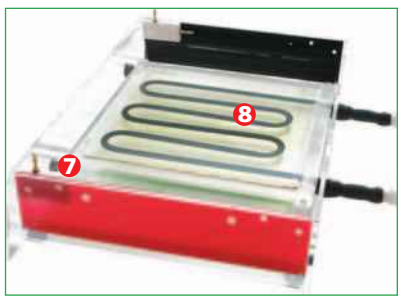
IEF Components



1. Positive Electrode, CSL-IEFPOS
2. Negative Electrode, CSL-IEFNEG
3. Spring Positive Electrode, CSL-SGELEPOS
4. Spring Negative Electrode, CSL-SGELENEG



5. Focusing Tray Adjustable Electrode Negative, CSL-FTELECNEG
6. Focusing Tray Adjustable Electrode Positive, CSL-FTELECPOS



7. Replacement IEF Tank, CSL-IEFTANK (Tank/Electrode Only, No Cooling Platform)
8. Cooling Platform for IEF system, CSL-IEFCP

Tray Specifications	IPG Strip Length 7cm	11cm	18cm	24cm
Focusing Tray				
Electrode Distance	6.5cm	10.2cm	17.1cm	22.7cm
Rehydration Tray				
Recommended Volume for Strip Rehydration	3.5ml	6ml	8.0ml	12.0ml

Ordering Information

CSL-IEF	**Flatbed IEF system** for IPG strips and gels, with focusing and rehydration trays
CSL-IEF-KIT-MINI	**CSL-IEF-KIT** and **CVS10DSYS**
CSL-IEF-KIT-MINIWIDE	**CSL-IEF-KIT** and **VS10WDSYS**
CSL-CHILLER*	Chiller system, -20 to 100°C, See page 52 for full technical specification
CSL-IEF-KIT*	**1-D Combination Package**, includes CSL-IEF, CSL-CHILLER and EV3330
CSL-IEFPOS	Replacement positive electrode (Fits to Tank side)
CSL-IEFNEG	Replacement negative electrode (Fits to Tank side)
CSL-SGELEPOS	Replacement Spring Positive Electrode
CSL-SGELENEG	Replacement Spring Negative Electrode
CSL-FTELECPOS	Focusing Tray Adjustable Electrode Positive
CSL-FTELECNEG	Focusing Tray Adjustable Electrode Negative
CSL-IEF-KIT-WAVE	**CSL-IEF-KIT** and **VS20WAVESYS** and **IPG Converter Kit**
CSL-IEF-KIT-MAXIPLUS	**CSL-IEF-KIT** and **VS30DSYS**
CSL-IEFCP	Cooling Platform for IEF system
CSL-IEFTANK	Replacement IEF Tank (Tank/Electrode Only, No Cooling Platform)
IEF-LID	Lid for CSL-IEF (no cables)
CSL-IEFFRME	Replacement electrode frame
CSL-RHYDTRY	Rehydration Tray
CSL-FOCUSTRAY	Focusing Tray with adjustable electrodes
EV3330	Consort 3000V, 300mA, 300W power supply

* For 110V units add $ to order code