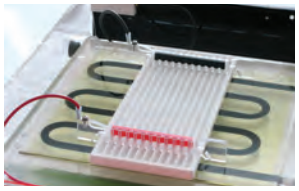
- For IPG strips and IEF gels
- Large cooling platform area
- 'Pick-and-Place' adjustable electrodes
- Focusing tray for a maximum twelve IPG strips
- Rehydration tray also included



isoelectric focusing

Now equipped with rehydration and focusing trays, the redesigned CSL-IEF has been optimised to perform first-dimension isoelectric focusing (IEF) with IPG (immobilised pH gradient) strips quickly, easily and reproducibly.

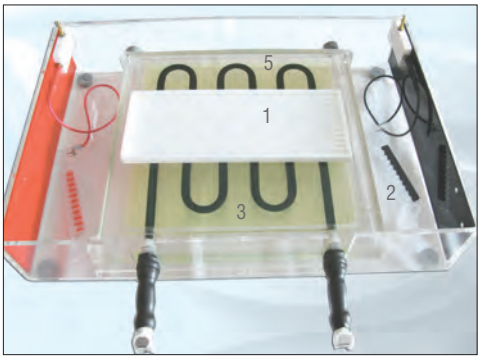
An ideal entry-level system for both inexperienced and occasional IEF users, the CSL-IEF is also versatile enough to meet the needs of laboratories with increased throughput requirements.

Features include:

- A high-capacity focusing tray that 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; colour-coded to prevent polarity reversal
- A cooling plate, manufactured from a special grade ceramic in a large 26x26cm surface area, facilitates effective heat dissipation and homogenous thermal control, particularly during high voltage IEF techniques
- An optional, but recommended, Cleaver Scientific recirculating chiller (pg 81) connects quickly and easily to the cooling plate via snap-lock connectors to maintain optimal operating temperatures for IPG strips (20°C) and precast gels (4°C)
- Rehydration tray allows convenient transfer of IPG strips to the focusing tray without time-consuming removal of residual rehydration buffer; also enables 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
- Electrode frame clips directly on to the cooling plate and includes adjustable electrodes to run horizontal precast IEF and PAGE gels

Power Supply Option – Consort EV232

- 3000V, 150mA, 150W power supply - enables desired Volt-hours for focusing to be attained faster at maximum voltage
- Nine different program settings with nine different parameters and voltage ramping make the EV232 ideal for multi-step IEF techniques
- Data-logging capacity for up to 3600 output values, while run data may be collected via RS232 connection and free downloadable data acquisition software



CSL-IEF Components

1. Focusing Tray
2. Adjustable 'pick-and-place' electrodes
3. Ceramic cooling plate with snap-lock connectors
4. Rehydration tray (not shown)
5. Electrode frame for horizontal precast gels
6. Shrouded 2mm high voltage cables (not shown)

CSL-IEF – Typical Running Conditions						
7cm IPG Strip						
IEF Step	1	2	3	4	5	6
Voltage (V)	150	300	600	1500	3000	300
Time (h)	0.5	0.5	0.5	0.5	2.5	<20
Volt-hours	75	150	300	750	7500	-
18cm IPG strip						
IEF Step	1	2	3	4	5	
Voltage (V)	300	600	1500	3000	300	
Time (h)	0.5	1	1	12	<20	
Volt-hours	150	600	1500	36000	-	

Tray Specifications	IPG Strip Length			
	7cm	11cm*	18cm	24cm
Focusing Tray				
Electrode Distance	6.5cm	10.2cm	17.1cm	22.7cm
Maximum Strip Length Accommodated	25.3cm	25.3cm	25.3cm	25.3cm
Cleaver Scientific IPG Strip Length	7cm	n/a*	18cm	24cm
Rehydration Tray				
Maximum Strip Length Accommodated	24cm	24cm	24cm	24cm
Recommended Volume for Strip Rehydration	3.5ml	6ml	8.0ml	12.0ml

**11cm strips available from other suppliers*

CSL-IEF Technical Specifications	
Max. commercial strip length accommodated	24cm
Max. gel dimensions on cooling plate	26x26cm
Unit dimensions (W x D x H)	55x35x10cm
Focusing tray strip capacity	12x 18 and 24cm strips; 24x 7 and 11cm strips
Operating temperature	4-25°C
Regulatory certification	CE, EN61010

Ordering Information			
CSL-IEF	Flatbed IEF system for IPG strips and gels, with focusing and rehydration trays		
CSL-CHILLER	Chiller for electrophoresis systems	**EV232**	Consort 3000V, 150mA, 150W power supply
CSL-IEF-KIT	1-D Combination Package, includes CSL-IEF, CSL-CHILLER and EV232		
CSL-IEFPOS	Replacement positive electrode	**CSL-IEFFRME**	Replacement electrode frame
CSL-IEFNEG	Replacement negative electrode	**CSL-RHDTRAY**	Rehydration tray and lid
CSL-IEFPLT	Replacement glass platform	**CSL-FOCUSTRAY**	Focusing tray with adjustable electrodes