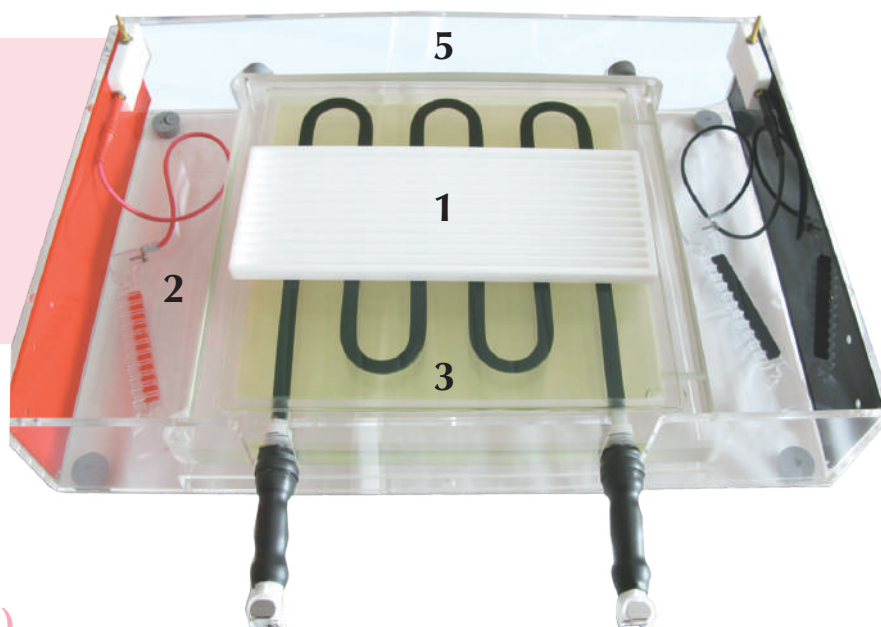


SymphonyIEF Isoelectric Focusing

HIGHLIGHTS

- Ideal for IPG strips and IEF gels
- Adjustable electrodes
- Focusing tray for maximum 12 IPG strips (7-24 cm) and rehydration tray provided
- Large cooling platform



The newly designed first-dimension isoelectric focusing (IEF) with IPG (immobilised pH gradient) strips now comes with rehydration and focusing trays

SymphonyIEF Isoelectric Focusing is a versatile unit that covers most IEF requirements from small scale to high-throughput operation. The focusing tray can accommodate up to 12 IPG strips. It is convenient with adjustable 'pick-and-place' electrodes clip anywhere within the focusing tray to resolve IPG strips from 7-24 cm in length, colour-coded to prevent polarity reversal. It is also compatible with horizontal precast IEF and PAGE gels, with electrode frame that clips directly onto the cooling plate. The cooling plate built from a special grade ceramic boasts a large 26 x 26 cm surface area which enables better heat dissipation and homogenous thermal control, making it efficient for high voltage IEF applications. An optional recirculating chiller is also available which connects easily to the cooling plate via snap-lock connectors to preserve optimal operating temperatures for IPG strips (20°C) and precast gels (4°C).

SymphonyIEF components

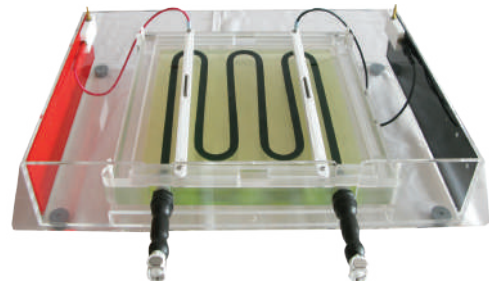
- 1 Focusing Tray
- 2 Adjustable 'pick-and-place' electrodes
- 3 Ceramic cooling plate with snap-lock connectors
- 4 Rehydration tray (not shown)
- 5 Electrode frame for horizontal precast gels
- 6 Shrouded 2 mm high voltage cables (not shown)

Hercuvan

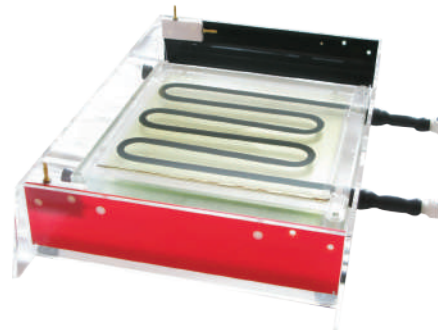
Lab Systems

The unit now comes with rehydrating tray for convenient transfer of IPG strips to the focusing tray without time-consuming removal of residual rehydration buffer. This also allows focusing tray to remain permanently in use for IEF to maximise throughput. In addition, it also provides useful storage at -20°C for focused strips before second-dimension runs.

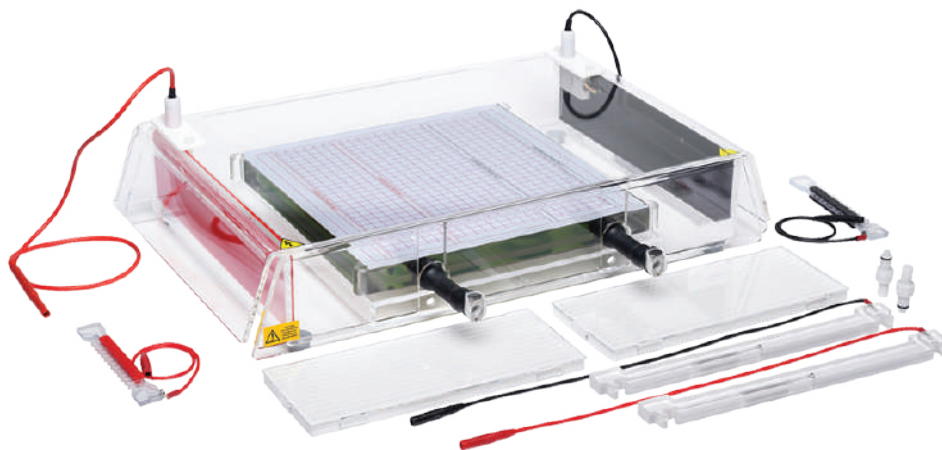
Recommended power supply is HarmonyCS3330 or HarmonyCS3620. Both power supplies have 9 different program settings with 9 different parameters and voltage ramping for multi-step IEF techniques. The power supply allows setting Volt-Hours for focusing to be achieved faster at maximum voltage. You can save up to 3600 output values for data logging, collect run data via R3232 connection and it comes with free downloadable data acquisition software.



SymphonyIEF with electrodes



SymphonyIEF with cooling plate



SymphonyIEF components

TECHNICAL DATA

Tray Specifications					Typical Running Conditions						
IPG Strip Length	7cm	11cm	18cm	24cm	7 cm IPG strip						
Focusing tray					IEF step	1	2	3	4	5	6
Electrode distance	6.5cm	10.2cm	17.1cm	22.7cm	Voltage (V)	150	300	600	1500	3000	300
Max. strip length	25.3cm	25.3cm	25.3cm	25.3cm	Time (H)	0.5	0.5	0.5	0.5	2.5	<20
IPG strip length	7cm	11cm	18cm	24cm	Volt-Hours	75	150	300	750	7500	-
Rehydration tray					18 cm IPG strip						
Max. strip length	24cm	24 cm	24cm	24cm	IEF step	1	2	3	4	5	6
Recommended volume for strip rehydration	3.5ml	5ml	8ml	12ml	Voltage (V)	300	600	1500	3000	300	
					Time (H)	0.5	1	1	12	<20	
					Volt-Hours	150	600	1500	36000	-	

* IPG strips are not supplied by Hercuvan. All measurement and typical running condition are based on Serva IPG BlueStrip.

ORDERING INFORMATION

Cat. No SymphonyIEF Isoelectric Focusing

EB-VES-SIEF	SymphonyIEF Flatbed IEF system for IPG strips and gels, with focusing and rehydration trays	EB-CL-JAZZ-240V	Jazz Chiller system, -20°C to 100°C, including insulated tubing and clips, 240V
EB-CL-JAZZ-115V	Jazz Chiller system, -20°C to 100°C, including insulated tubing and clips, 115V		
SIEF-CP	Cooling Platform for IEF system	SIEF-SNE	Replacement spring negative electrode
SIEF-PE	Replacement positive electrode	SIEF-RT	Rehydration tray
SIEF-NE	Replacement negative electrode	SIEF-FT	Focusing tray with adjustable electrodes
SIEF-EF	Replacement electrode frame	SIEF-FTPE	Focusing tray with adjustable positive electrodes
SIEF-SPE	Replacement spring positive electrode	SIEF-FTNE	Focusing tray with adjustable negative electrodes
		SIEF-T	Tank for SymphonyIEF
		SIEF-L	Lid for SymphonyIEF, no cables
		EB-CPS-H3330-110V	Consort power supply 3000V, 300mA, 300W, 110V
		EB-CPS-H3330-230V	Consort power supply 3000V, 300mA, 300W, 230V
		EB-CPS-H3620-110V	Consort power supply 6000V, 150mA, 300W, 110V
		EB-CPS-H3620-230V	Consort power supply 6000V, 150mA, 300W, 230V