IEF100 First-dimension Isoelectric Focusing Unit

Monitor current flow for each individual IPG strip in real time

- Flexible first-dimension IEF can be run with up to six 7 to 24 cm IPG strips simultaneously, or twelve 7 cm IPG strips using the included dual electrode accessory
- Turn and click intuitive user interface with graphical display
- Capable of faster run times with an integrated 12,000 V power supply that has the highest voltage and current commercially available
- Easily accessible Ethernet and RS232 ports

The IEF100 is the only first dimension instrument that controls the current and voltage applied to the IPG strips to prevent overheating.

Technical Specifications

Voltage	12,000 V
Resolution	1 µA
Sample Cup Capacity	240 µl
Unit Dimensions (w x h x d)	38 x 19 x 27 cm
Data Connectivity	Ethernet / RS232
Current	10 mA (999 µA/strip)
Platform Temperature	15-25°C (Peltier Controlled)
Trays	Running and Rehydration Tray
Weight	6 kg
Safety Certifications	EN61010-1, UL61010-1, CSA22.2 1010.1, CE

Ordering Information

Cat. #	Description
IEF100	Isoelectric Focusing Unit

Includes:

- *Bag of 252 Wicks*
- *Running Tray*
- *Small Rehydration Tray*
- *Large Rehydration Tray*
- *Cleaning Brush*
- *Forceps*
- *Ten Sets of Running Cups–(6 cups/set)*

Accessories and Replacement Parts

Cat. #	Description
IEF106	Two Sealed Bags of 252 Wicks per Bag
IEF109	Small Rehydration Tray
IEF111	Medium Rehydration Tray
IEF110	Large Rehydration Tray
IEF108	Ten Sets of Running Cups (Each Set Containing Six Sample Cups)

Features and Benefits

Cup-loading or rehydration-loading– versatility to accommodate individual sample requirements

Instrument control through LAN– remote control and data acquisition possible

Integrated power supply and Peltier cooling–minimizes footprint

Constant power mode– minimizes overheating risks

Ultra high voltage and current– reduces focusing time and enhances focusing results

Focusing tray clamped to cooling plate–ensures efficient heat transfer

Electrodes lock into place on strips– ensures good contact during run

Front data ports–enable recording of instrument performance if required by GLP

Entire protocol can be seen on screen–easy to read and edit

Large display–provides real-time graphical results

Stores multiple protocols each with multiple steps–flexible programming for precise results

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