

## VERSA 600 IonFlux Setup Workstation

The VERSA™ 600 IonFlux Setup Workstation is a small, automated liquid handling workstation designed to set up IonFlux Plates for the IonFlux high throughput automated patch clamp system. This bench-top integrated workstation provides an efficient, high throughput solution for fully-automated patch clamping.

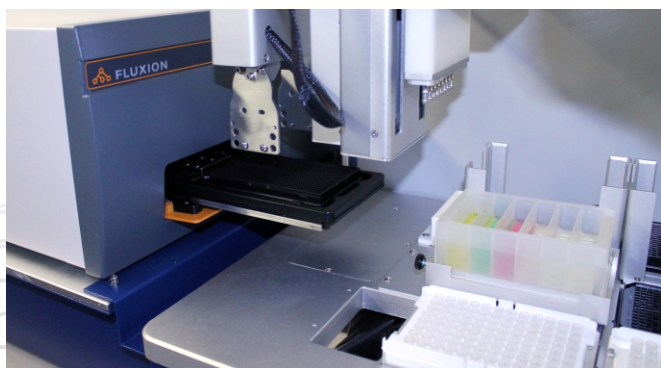
The unique multi-channel head consists of an 8-channel pipetting head with single-channel function for fast, accurate and precise pipetting of reagents, cell suspension, dilution series and sample additions.

The VERSA IonFlux Setup Workstation conserves expensive reagents, eliminates concerns associated with volumetric variations caused by manual handling errors and automates all repetitive pipetting protocols. In addition, the software offers researchers the flexibility of customizing their own ion channel investigations.

### **IonFlux™ Automated Patch Clamp System**

The IonFlux System delivers a high throughput solution for ion channel drug discovery and research. The system offers outstanding patch clamp performance in a complete, easy to use system using Fluxion's innovative Well Plate Microfluidic™ technology.

The IonFlux comes in two configurations to meet the widest variety of application needs: the IonFlux HT, with 64 independent amplifier channels for high throughput screening, and the IonFlux 16, with 16 amplifiers for ion channel research and assay development.



VERSA gripper loading plates into the IonFlux

### **VERSA 600 FEATURES**

- Compatible with 96-well and 384-well IonFlux Plates
- 9 Deck positions
- 2 Plate stackers hold up to 5 96/384 IonFlux Plates
- Multi-channel head, including:
  - 8-Channel SyringePipettor (With single-channel function)
- Plate gripper
- Shaker/Heater for cell suspension
- Integrated with IonFlux Automated Patch Clamp System
- Import/Export protocol files

### **APPLICATIONS**

- Compound profiling
  - Single concentration screening
  - Dose response
- Functional expression of ion channels
  - Screen clones based on ion channel density
  - Record responses from up to 8 distinct clones (32 for HT)
- Mutant screening
  - Evaluate mutational changes impacting ion channels
  - Record responses from up to 8 distinct mutants (32 for HT)

**VERSA 600 IonFlux Setup Workstation**



## VERSA 600 SPECIFICATIONS

VOLUME	1 µL to 1000 µL
DECK CAPACITY	9 deck positions: <ul style="list-style-type: none"> <li>• 6 deck positions to accommodate tip boxes, IonFlux &amp; microtitre plates, reservoirs, plate cooling blocks, etc.</li> <li>• Reagent block (cooling / heating)</li> <li>• Shaker/Heater – can also be used as plate nest</li> </ul>
PIPETTE TIPS	200 µL and 1000 µL standard (96-well racked)
PIPETTING HEAD	8-channel SyringePipettor with single channel function
SOFTWARE	Customized user-friendly VERSAware software featuring simple on-screen prompts and drop-down menus
COMPUTER SYSTEM	Desktop PC with LCD monitor and Windows operating software
DIMENSIONS	W 25" x L 26" x H 25" (62 x 66 x 62 cm)
WEIGHT	90 kg

## IonFlux Specifications

SYSTEM PERFORMANCE		IonFlux HT System	IonFlux 16 System
# SIMULTANEOUS AMPLIFIER CHANNELS	64		16
CELL RECORDING CONFIGURATION	Single Cell & Ensemble Recording	Single Cell & Ensemble Recording	
COMPOUND APPLICATION TIME	<100 ms		<100 ms
DAILY THROUGHPUT	8000 Data Points	2000 Data Points	
PLATE FORMAT			
PLATE TYPE	384-Well SBS format		96-Well SBS format
DATA POINTS PER PLATE	512	128	
UNIQUE COMPOUNDS / CONCENTRATIONS PER PLATE	256	64	
# EXPERIMENTAL PATTERNS PER PLATE	32	8	
INSTRUMENT CONFIGURATION		IonFlux HT & IonFlux 16 Common Specifications	
DIMENSIONS	W 20" x L 20" x H 10" (50 x 50 x 25 cm)		
AMPLIFIER CONFIGURATION	Sample rate adjustable to 20 kHz Capacitance, leak, series resistant compensations		
TEMPERATURE CONTROL	Ambient to 40 °C		
CELL RECORDING FORMAT	20 Cells per ensemble recording, 2X redundancy		
SEAL TYPE	Giga-Seals		
SOFTWARE			
OPERATION MODULES	Protocol editor, run table, assay development mode, recording visualization, analysis, data export		
OPERATING SYSTEM	Windows 7, XP, Vista		

NOTE: Instrument specifications may change without notice as an ongoing effort of product improvement.

**North American Sales:** Aurora Biomed Inc.  
 1001 East Pender Street  
 Vancouver BC Canada V6A 1W2  
 Phone: 1.800.883.2918 • 604-215-8700  
 Email: info@aurorabiomed.com  
 Website: www.aurorabiomed.com



**International Sales:** Aurora Instruments Ltd.  
 1001 East Pender Street  
 Vancouver BC Canada V6A 1W2  
 Phone: 604-215-8700 • Fax: 604-215-9700  
 Email: info@aurora-instr.com  
 Website: www.aurora-instr.com