

IonFlux Classic 16

A fully automated and affordable patch clamp system

Building on the great lineage of IonFlux systems, the IonFlux Classic 16 represents an ultra-affordable version of our world renowned IonFlux 16 line of automated patch clamp systems. Similar to our new IonFlux Mercury 16, the classic has:

- Unique in-plate liquid handling
- Continuous solution flow
- 16 unique recordings per plate
- Impeccable ligand and voltage gated assay capabilities

What the IonFlux Classic adds to the IonFlux Mercury 16 is increased affordability accomplished by:

- Ease of installation: the system is easily installed and setup by users using step-by-step instructions
- Ease of connectivity: you can use any capable computer to operate the system
- Flexible support: the system carries a comprehensive warranty and online support

IonFlux Systems

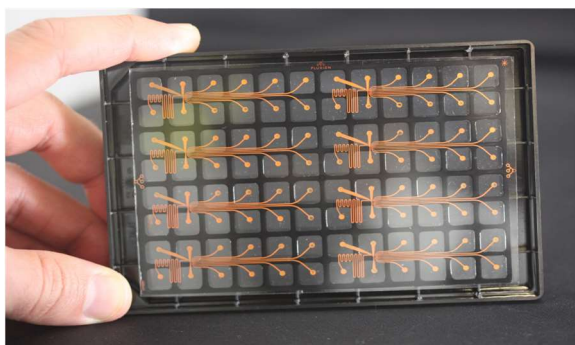
All IonFlux provides the highest degree of control over fluidics for specialized ion channel assays. With its unique microfluidic plates, IonFlux is the only system where all cell recordings and liquid exchange are performed within the plate proper. Without the hindrance of liquid handlers, the system advances high throughput ion channel experiments by providing unique attributes that permit specialized assays, impossible or impractical using other asynchronous systems. The specialized characteristics related to its unique liquid exchange permits all IonFlux systems to perform ligand binding, allosteric modulation, multiple agonists, and voltage- and temperature-sensitive assays with flexibility and ease. Complex ligand-gated assays, requiring serial exchange of solutions, can now be screened at the same speed and ease as voltage-gated assays.



IonFlux Classic 16

IonFlux Classic 16 vs Mercury 16

	IonFlux Classic 16	IonFlux Mercury 16
Design	Bench top	Bench top
Amplifiers	16 channels	16 channels
Regulators accuracy	Up to 85% of main channel	Up to 98% of main channel
Maximal sampling rate	20 khz	20 Khz
Maximal sweep length (@0.5 Khz)	12 seconds	300 seconds
Temperature control	Not Available	standard
Plate format	SBS standard 96 well	SBS standard 96 well
Ensemble Recording	20 cell ensemble	20 cell ensemble
Giga-Ohm recording	Yes – single cell plates	Yes – single cell plates
Experiments per plate	8 unique with 8 compounds each	8 unique with 8 compounds each
Recordings per experiment	2 independent recordings	2 independent recordings
Current Clamp	Not Available	Optional
Upgradeable to HT	No	Yes
Operation	External computer	Integrated
Warranty	1 year	1 year



IonFlux systems and plates are sold and distributed by Fluxion Biosciences and its partners. Visit our website for more details.

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