

bilayer workstation

Bilayer Workstation

The Planar Lipid Bilayer Workstation

The tool for measuring pico- to nano-scale charge currents across a lipid membrane

The **Planar Lipid Bilayer (BLM) Workstation** from Warner Instruments integrates every significant component required for the use of a working BLM rig. This unique device allows the user to quickly get up to speed in performing research using this powerful technology.



- Integrated instrumentation for Planar Lipid Bilayer recording
- Simple and integrated design
- Complete System
- Optional power line conditioning
- Popular data acquisition packages
- Available on-site setup and training

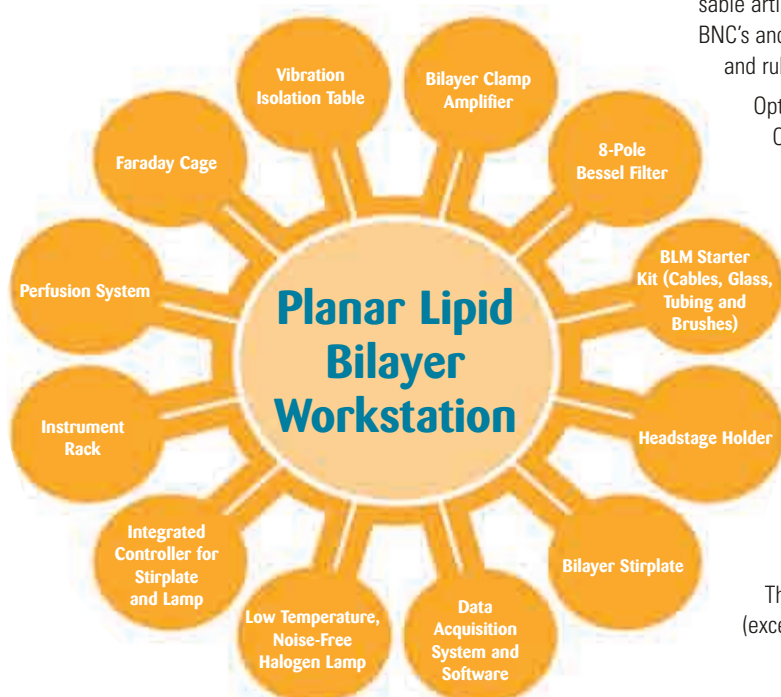
The BLM Workstation is comprised of an FC Series Faraday cage, a BenchMate vibration isolation table from Kinetic Systems, our BC-535 bilayer clamp amplifier and LPF-8 8-pole Bessel filter, a SUN-1 halogen lamp, a SPIN-2 bilayer stirplate, the SUNStir integrated controller (for the stirrer and lamp), and the BPS-2 perfusion system. The HST-1 headstage holder with magnetic base rounds out the package. Also included is a RAC-14 table top rack and the BLM-ST starter kit which includes a red sable artist dotting brush, glass capillary tubing for lipid application, BNC's and grounding cables, spare stirbars for bilayer cups and chambers, and rubber matting for traction control of the bilayer chamber.

Optional components include the BLM-TC Bilayer Thermocycler, the ON-750 power line conditioner and a stereo zoom microscope for viewing the membrane. We also supply accessories useful for bilayer work. These include the CM-3 (variable) and CM-1 (fixed value) single channel simulators.

Additional items required for a complete Workstation include our popular BCH-13A or BCH-22A bilayer cups and chambers, acquisition hardware/software and a computer.

The BLM workstation supports the use of either pClamp (Molecular Devices, Union City, CA) or PatchMaster (HEKA Instruments, Bellmore NY) for data acquisition. You may purchase your acquisition system directly from the vendor or from us at no additional charge (Technical support and warranty are through the manufacturer).

The complete system from Warner includes everything you need (except the computer) to begin collecting data.



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The Planar Lipid Bilayer Workstation (continued)

Ordering Information

Order #	Model	Product
W4 64-0452P	BLM-WS-P	Bilayer Workstation Passive Table
W4 64-0452A	BLM-WS-A	Bilayer Workstation Active Table

System Includes

FC-Series Cage	Faraday Cage with Vibration Isolation Table
BC-535	Bilayer Clamp Amplifier
LPF-8	Bessel Filter, 8 Pole, Low Pass
SUNStir-3	Dual Function Rack Mountable Controller with SUN-1 Lamp and SPIN-2 Stirrer
BPS-2	Bilayer Perfusion System
RAC-14	Instrument Rack
HST-1	Headstage Holder with Magnetic Base
BLM-ST	Bilayer Starter Kit

Purchase of a bilayer cup and chamber, and a data acquisition system are needed to complete the Workstation

All components available separately. Please contact our Sales Department.

Add on Acquisition System (to complete the system)

Order #	Model	Product
W4 64-0436	DIGI	Molecular Devices – Digidata 1440 + pClamp 10

Accessories

Order #	Model	Product
W4 64-0083	OST-1*	On-site Setup and Training 2 Day Minimum. Price Per Day*
W4 64-0450	BLM-TC	Bilayer Thermocycler
W4 64-0026	CM-3	Single Channel Simulator, Adjustable Characteristics
W4 64-0024	CM-1	Single Channel Simulator, Fixed Characteristics
W4 64-0069	ON-750A	6.5 A Power line conditioner
W4 64-1803	Z850	Stereo Zoom Horizontally Mounted Microscope with Boom Stand
W4 64-0420	MAG-13	2 x 5 mm Stirbars for 13 mm Chambers and Cuvettes (pkg. of 5)
W4 64-0421	MAG-22	2 x 7 mm Stirbars for 22 mm Chambers and Cuvettes (pkg. of 5)

Note: Price is per day with a 2 day minimum. Travel expenses are additional.

Cup Chamber Set A

Order #	Model	Product
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Classic 13 mm Chamber (1 ml volume)

W4 64-0451	BCH-M13	Bilayer Chamber (Includes Two 2 x 5 mm Stirbar Magnets)
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Classic 13 mm Cuvettes

W4 64-0404	CP13A-150	Polystyrene with 150 µm Aperture
W4 64-0403	CP13A-200	Polystyrene with 200 µm Aperture
W4 64-0402	CP13A-250	Polystyrene with 250 µm Aperture
W4 64-0410	CD13A-150	Delrin with 150 µm Aperture
W4 64-0409	CD13A-200	Delrin with 200 µm Aperture
W4 64-0408	CD13A-250	Delrin with 250 µm Aperture
W4 64-0416	CF13A-150	Polysulfone with 150 µm Aperture
W4 64-0415	CF13A-200	Polysulfone with 200 µm Aperture
W4 64-0414	CF13A-250	Polysulfone with 250 µm Aperture

Cup Chamber Set B

Order #	Model	Product
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Classic 22 mm Chamber (3 ml volume)

W4 64-0453	BCH-M22	Bilayer Chamber (Includes Two 2 x 7 mm Stirbar Magnets)
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Classic 22 mm Cuvettes

W4 64-0407	CP22A-150	Polystyrene with 150 µm Aperture
W4 64-0406	CP22A-200	Polystyrene with 200 µm Aperture
W4 64-0405	CP22A-250	Polystyrene with 250 µm Aperture
W4 64-0413	CD22A-150	Delrin with 150 µm Aperture
W4 64-0412	CD22A-200	Delrin with 200 µm Aperture
W4 64-0411	CD22A-250	Delrin with 250 µm Aperture
W4 64-0419	CF22A-150	Polysulfone with 150 µm Aperture
W4 64-0418	CF22A-200	Polysulfone with 200 µm Aperture
W4 64-0417	CF22A-250	Polysulfone with 250 µm Aperture

Cup Chamber Set C

Order #	Model	Product
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Perfusion Bilayer Chamber (1 ml volume)

W4 64-0423	BCH-P	Perfusion Bilayer Chamber (Includes Two 2 x 5 mm Stirbar Magnets)
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Perfusion Bilayer Cups

W4 64-0424	CP-P-150	Polystyrene Perfusion Cup with 150 µm Aperture
W4 64-0425	CP-P-200	Polystyrene Perfusion Cup with 200 µm Aperture
W4 64-0426	CP-P-250	Polystyrene Perfusion Cup with 250 µm Aperture
W4 64-0427	CD-P-150	Delrin Perfusion Cup with 150 µm Aperture
W4 64-0428	CD-P-200	Delrin Perfusion Cup with 200 µm Aperture
W4 64-0429	CD-P-250	Delrin Perfusion Cup with 250 µm Aperture