

BLM-TC

Planar Lipid Bilayer Thermocycler

bilayer workstation



- Peltier driven
- Cools to 5°C
- Heats to 50°C
- Heats and cools at 3°C/minute
- Stable to 0.2°C

The new BLM-TC from Warner uses Peltier technology to cool, heat, or thermocycle a planar lipid bilayer membrane.

The tight and reproducible temperature control provided by this unique device can facilitate the measurement of single channel events at physiologic temperatures, or at any temperature between 5 °C and 50 °C.

The device heats and cools at an average rate of 3 °C/min when transitioning between 40 °C to 10 °C. More importantly, the BLM-TC can maintain a temperature to within 0.2 °C of the set temperature.

The BLM-TC system is comprised of a Peltier-driven bilayer platform (compatible with Warner's SPIN 2 bilayer stirplate), a CL-100 bipolar temperature controller, and an LCS-1 (for the water jacket, see page 142).

The purchase of a standard bilayer cup and chamber completes the package.

Note: If you will be primarily working at temperatures above ambient, then we recommend using the larger BCH-M22 chamber to reduce the impact of evaporative losses in the system during use.

Order #	Model	Product
W4 64-0450	BLM-TC	Planar Lipid Bilayer Thermocycler System
W4 64-0400	BCH-M13	1 ml Bilayer Chamber (Cup Purchased Separately)
W4 64-0401	BCH-M22	3 ml Bilayer Chamber (Cup Purchased Separately)
W4 64-1922	LCS-1	Liquid Cooling System
W4 64-0352	CL-100	Bipolar Temperature Controller

On-Site Setup and Training

Investigators first entering the arena of research using the planar lipid bilayer can be overwhelmed by the wealth of design and application issues surrounding the proper assembly and use of a Bilayer Workstation. While tractable, this state of affairs can result in an investigator choosing a less effective means to achieve his or her research goals.

Warner Instruments recognizes the need to make this technology more accessible and is the only company to establish on-site assembly and training in the proper care and use of the Bilayer Workstation. Our senior scientist, Dr. Edmond Buck, has over 18 years experience using this powerful technology and is committed to providing extensive support for this important technique.

Dr. Buck will visit your site, assemble the Workstation and instruct you in how to use and maintain the equipment. If desired, he will also provide guidance and insight in the best way to use your acquisition and analysis software.*

It is our committed goal to quickly and efficiently optimize your equipment and skill set allowing you to focus your efforts on data acquisition.

**Support and warranty rights are retained by the manufacturer of the acquisition software package.*

We invite you to contact Dr. Buck to discuss your needs and application.

References available.