

standard format thermal blocks

Designed to maintain a constant $\pm 0.1^{\circ}\text{C}$ temperature across the work surface, MéCour thermal blocks provide accurate and constant heating or cooling in the same block. All MéCour thermal blocks are connected to a circulator with a temperature range between a -100°C to $+250^{\circ}\text{C}$. Simply set the desired temperature on the circulator and the thermal block mirrors that setting. For Deep Well Plate (DWP) formats, adjust circulator thermostat by $\pm 5^{\circ}\text{C}$ for desired sample temperature (i.e., 37°C requires 42°C temp setting or 4°C requires a 0°C setting to compensate).

MéCour Standard Format thermal blocks accommodate between 1 – 8 plates for either benchtop or automated applications. This series of thermal blocks accommodates any DWP that offers underside openings between the wells to allow for the thermal pins to transfer temperature up and in between all wells. The superior design of MéCour thermal blocks provide maximum temperature stability and uniformity across the plate, minimizing or eliminating temperature gradients between wells.

A Selection of MéCour Standard Format Thermal Blocks



MéCour thermal blocks eliminate the need to float the DWP's on ice or in hot water baths and utilize the most efficient method of temperature control with these sensitive and expensive consumables. You can now integrate these plates directly into your assay work flow.

Consider these possibilities:

- Combine the DWP's with other plates for pipetting procedures
- Sensitive reagents stay active under temperature controlled conditions

All MéCour Standard Format thermal blocks incorporate our unique thermal technology with the circulator recommended by MéCour designed to meet your assay requirements. Regardless of the assay, MéCour will design a thermal system that gives you:

- A reliable temperature range from -100°C to $+250^{\circ}\text{C}$
- Temperature precision to $\pm 0.1^{\circ}\text{C}$
- Fast and responsive heating or cooling within the same thermal block
- Compatibility with magnetic stir plates and modular shakers

Additional Standard Format Thermal Blocks



part # 60-4x96/2mL



part # 60-28/2mL



part # Thermal Stir
Plate System



part # 60-20mL & Stir Plate



part # 80-142



part # 80-114



part # 80-02HM &
Protective top cover



part # 80-04 & Shaker

Choose the perfect solution for your assay

The thermal blocks above provide limitless options in supporting your efforts to maintain the desired temperature control of your assays. Simply provide the type and number of plates, operating temperature, and if it's a benchtop or automated assay.

MéCour will design your particular thermal system. If your specific needs are not met by standard labware, take advantage of MéCour's extensive manufacturing capabilities in producing unique thermal blocks that fit your exact requirements.