

design-specific thermal units

Designed to maintain constant temperature across a work-surface, MéCour thermal blocks give you accurate, precise, and constant heating or cooling. By using a critical refrigeration path that creates flow-through turbulence, MéCour thermal blocks uniformly maintain temperature to within ± 0.1 °C for extended periods of time. Used in conjunction with recirculating baths, this unique design has a working temperature range from -100 °C to +250°C. The design specific thermal blocks are specifically designed to meet the needs of your particular assay configurations. Tubes, bottles, unusual vessels and large containers such as 4-liter reagent reservoirs have all been accommodated by MéCour thermal blocks.

A Selection of MéCour Units Designed for Specific Requirements



part # 60-20mL Tubes
& Stir Plate

part # Thermal Stir
Plate System

part # 70-HTL Thermal Hotel

part # 60-48-2mL

Design specific thermal blocks give you specialized, precise temperature control for large or unusual vessels that previously could only be ineffectively cooled in poorly-fitting chillers or ice baths. Tubes and vessels of various sizes can be equilibrated together in a thermal block designed to meet the needs of a particular assay. Both on the benchtop and on automated platforms, in tubes, large reservoirs or atypical vessels, reagents can be kept constant for extended periods and can be incorporated into an assay workflow. With design-specific thermal blocks, you maintain temperature control over all your reagents, compounds and components in the configuration that works best for your assay.

Consider these possibilities:

- Equilibrate and maintain all critical vessels in a convenient assay layout
- Integrate unusual containers into your assay workflow
- Maintain temperature of sensitive reagents in large supply sources

All MéCour thermal blocks incorporate our unique thermal technology with one of several circulators selected to meet your assay needs. Whatever we design for your assay, you can expect a temperature control solution that gives you:

- A reliable temperature range from -100 °C to +250°C
- Temperature precision to $\pm 0.1^{\circ}\text{C}$
- A sealed system to eliminate hazards and contamination
- Heating or cooling within the same thermal block
- Compatibility with existing chillers/heaters, stir plates, and modular shakers
- Perfect integration with the majority of available automation systems

Additional MéCour Units Designed for Specific Requirements



Get a solution that's designed *specifically* for your assay

The specifically designed thermal blocks shown above are previous assay designs. MéCour utilizes the same materials, design elements and protocols in all our demand-designed products as are used in our standard product line. Solutions have been developed for unique reaction vessels, bioprocessor scale-up, combinatorial chemistry and precipitation reactions as well as for reagent management, sample maintenance and compound storage.

Specific needs such as top covers to protect against evaporation or extended platforms for large quantities of microplates have been developed to meet particular assay requirements. If your assay presents you with a challenge in meeting precise temperature maintenance needs, take advantage of MéCour's extensive manufacturing capabilities to produce unique thermal blocks based on your exact requirements.