IRIS ANALYTICAL

THERMAL CYCLERS & REAL-TIME PCR SYSTEM



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Muti-Block Thermal Cyclers are used for PCR and other important applications controlled by Marlow Peltier elements to maximize tests, and running multiple reaction conditions for accurate incubations and other useful works. Provide high-throughput, multi-user abilities and interchangeable blocks facilities with an intuitive touch display for easy programming and functioning. Its working technology allows for 2 to 3 independent protocols to be run simultaneously without sacrificing sample throughput.

Dual Block Thermal Cyclers ITCM-4000D Series

Dual Block Thermal Cyclers ITCM-4000D series has been used in PCR applications in research and development, food science, pharmaceuticals, life science, animal diagnostics, and analytical laboratories. Features with customized Marlow Peltier heating units and form 4 circuits to control 4 temperature zones with vibrant touch LCD display and maximum ramping rate 5 ℃/s.



Dual Block Thermal Cyclers ITCM-4000D accommodates 96×0.2 ml, 60×0.5 ml, Double 48×0.2 ml,48×0.2 ml + 30×0.5 ml along with 384 well and In-situ plate, this block is completely independently of each other and without interference Fabricated with anodizing technology that have prompt heating conducting and adequate corrosion resistance property.

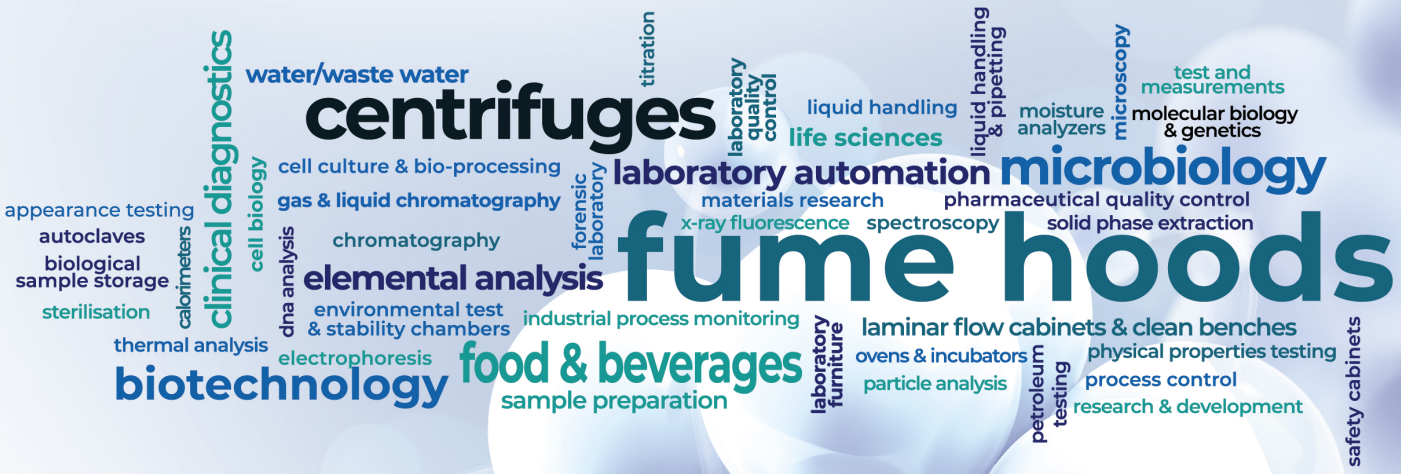
- Quicker ramp rates allow more work to be done on a workday
- Simple to program unit is compact in design and built to perform
- Programming is in-built with large display and multiple pre-programmed templates supplied with the unit
- Time-saving with great heating and cooling rate along with maximum ramping rate up to 5°C/s
- Peltier heating units with 8 long service life and form 4 circuits to control 4 temperature zones
- Capabilities to run 2 different PCR program in 2 independent blocks controlled simultaneously
- Equipped with Built-in 11 standard program file template for rapidly and accurate necessary files
- Throughout the program, it allows to edit files and showed the remaining time and running program in real-time
- Support USB device with enormous storage capability, 10000 typical PCR files in free configurable folders and LAN for software updating also compatible with devices like mouse and keyboard
- Meet the requirement of denaturation, enzyme cutting/enzyme link, and ELISA
- Operating windows comes with 8” (800×600, 16 colours) TFT vibrant touch graphical display
- Accurate data support and result from analysis record in GLP
- Automatic restart mode and run the unfinished program after power failure
- Meet the need for another testing hot lid temperature and hot lid work mode available
- Assure password and data security along with user login management and three-tier permission
- Connect numerous sets of PCR by single PC controlled
- Email-alert function at the end of the experiment
- To avoid vaporization and melting tubes are fits at different height by a step-less adjustable hot lid with pressure-protection

Trio Block Thermal Cyclers ITCM-4000T Series

Trio Block Thermal Cyclers ITCM-4000T equipped with three independent blocks in one instrument. Both multiuser environments, as well as users with lower sample numbers but different samples, will enjoy this model. The three-block design and the specific Temperature Optimisation Step function support the fast optimization of ideal annealing temperatures with Fast Ramping and Best Accuracy, high-performance sample blocks.

- Capabilities to run 3 different PCR program in 3 independent blocks controlled simultaneously
- Quicker ramp rates allow more work to be done in a workday
- Simple to program unit is compact in design and built to perform
- Programming is in-built with large display and multiple pre-programmed templates supplied with the unit
- Equipped with Built-in 11 standard program file template for rapidly and accurate necessary files
- Throughout the program, it allows to edit files and showed the remaining time and running program in real-time
- Support USB device with enormous storage capability, 10000 typical PCR files in free configurable folders and LAN for software updating also compatible with devices like mouse and keyboard
- Meet the requirement of denaturation, enzyme cutting/enzyme link, and ELISA
- Portable and User-friendly
- Accurate data support and result from analysis record in GLP
- Automatic restart mode and run the unfinished program after power failure
- Meet the need for another testing hot lid temperature and hot lid work mode available
- Bluetooth printer (option)
- Assure password and data security along with user login management and three-tier permission
- Connect numerous sets of PCR by single PC controlled
- Email-alert function at the end of the experiment
- To avoid vaporization and melting tubes are fits at different height by a step-less adjustable hot lid with pressure-protection
- Fully adjustable heated lid

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