IRIS ANALYTICAL

THERMAL CYCLERS & REAL-TIME PCR SYSTEM

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Advanced Thermal Cyclersare used for nucleic acid amplification and ELISA assay through PCR and controlled by Peltier elements for longer durability, and control temperature zones. Offer temperature uniformity over the entire block and reproducible outcomes regardless of the position of the inserted samples with an intuitive touch display for easy programming and functioning and provide maximum flexibility with an ability to promote gradient system including nonlinear gradient, dynamics gradient, and 2D gradient.

Advanced Thermal Cyclers ITCP-5000 Series

The Iris Advanced Thermal Cyclers ITCP-5000 is designed with 3 different gradient system including nonlinear gradient, dynamics gradient, and 2D gradient. Suitable for the denaturation, enzymes cutting, enzymes link and ELISA assay applications. Offer high heating and cooling rate with the Peltier design unit. Equipped with 11 standard programs for fast editing in particular programs.

Suitable for the denaturation, enzymes cutting, enzymes link and ELISA assay applications. Offer high heating and cooling rate with a ramping rate up to 7°C/sec. Equipped with 11 standard programs for fast editing in particular programs. Features with Peltier design, large LCD touch display, reaction blocks, air ventilation, hot lid plate, cooling fins and handle. Accommodates 4 different wells including 96×0.2 ml, 6×16×0.2 ml, and 96×0.2 ml well plates with the availability of tubes: 0.2 ml tube, 8 strips, 96 wells plate and this block are completely independently of each other and without interference. Available in 3 different gradient types: Nonlinear Gradient, Dynamics Gradient, and 2D Gradient.

- Peltier heating units with long service life, and control temperature zones
- Suitable for long term use for PCR
- Temperature Range: 4 to 105°C
- Available in 3 different gradient type: Nonlinear Gradient, Dynamics Gradient, and 2D Gradient
- Quicker ramp rates allow more work to be done on a workday
- Simple to program unit is compact in design and built to perform
- 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, 20000 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 10.1-inch LCD touch display
- Portable and User-friendly
- 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
- Available with 9 shortcut key in main unit
- Support USB2.0 and WIFI
- Assure password and data security along with user login management and three-tier permission
- Connect numerous sets of PCR by single PC controlled

Advanced Thermal Cyclers ITCP-6000 Series

Advanced Thermal Cyclers ITCP-6000 has been used in rapid outdoor detection, all kinds of isothermal amplification of DNA/RNA. Mainly used in Gene amplification with the highest flexibility. Designed with 8×0.2 ml (20 to 100 µl) capacity along with 523 nm (FAM) 584 nm(VIC/HEX) detection wavelength and 470 nm (FAM) 525 nm(VIC/HEX) excitation wavelength. Rapidly set up runs and monitor amplification. Deliver the most sensitive, reliable detection for nucleic acid application.

- Achieve accurate results
- On board chargers for rapid outdoor detection
- Small and transportable unit
- 10000 + (USB Flash) program storage memory
- Simple to practice: Sharp, clear 7 inch TFT with resistive touch screen commands
- USB2.0, RS232 cable
- Based on amplification of nucleic acid and fluorescence detection technology

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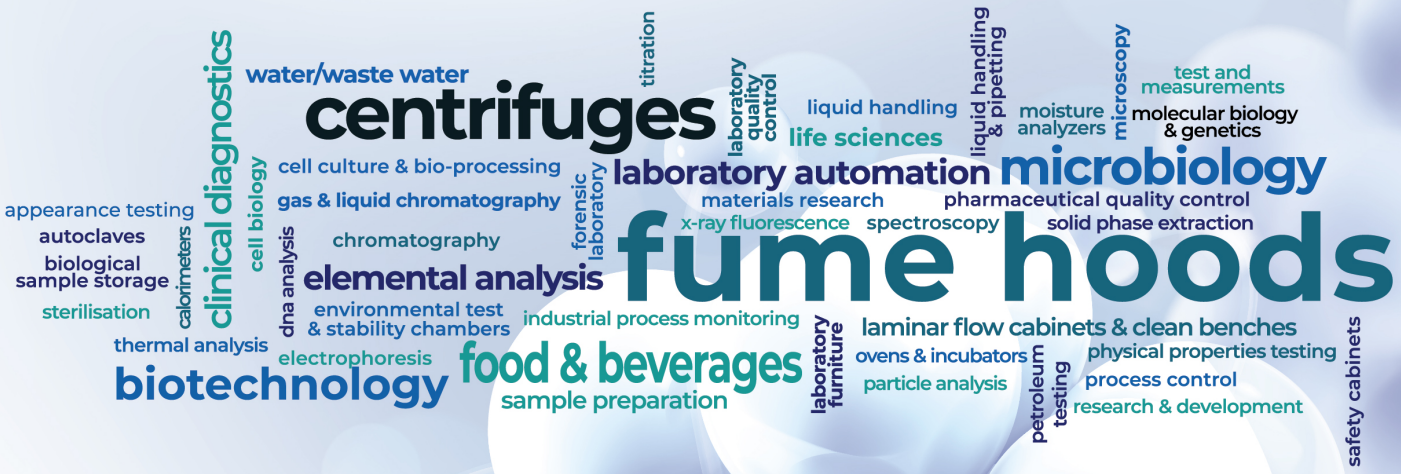

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