

ThermoEXP 500 Thermalcycler

Thermal Cycler for PCR

The ThermoEXP 500 is multifunctional thermal cycler for PCR applications. The ThermoEXP offers eight different interchangeable sample blocks to give the ThermoEXP Cycler exceptional versatility for PCR methods using tubes, strip wells or plates. The unit automatically recognizes which sample block is in place, eliminating the need for an operator to manually supply this information. Its high ramping rate and precision temperature control provide fast, accurate results. The extra large display and user-friendly interface make operation easy.

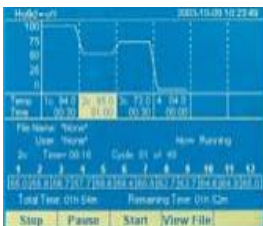


Key Features

- ✦ Independently controlled dual blocks - Unique dual sample block design permits execution of two different programs simultaneously and independently.
- ✦ The gradient block allows the EXP Cycler to easily find an optimal PCR condition. A maximum gradient of 30°C can be realized.
- ✦ The integral hot-lid provides oil-free operation. Hot lid pressure is adjustable, allowing optimum pressure adjustment for different kinds of tubes.
- ✦ XP Cyclers offer two startup modes. Mode 2 over-heats the block briefly at startup to bring tubes up to desired temperature fast; then the program returns the block to the programmed maintenance temperature. Mode 1 is the conventional startup mode where the block is heated to the desired maintenance temperature; it takes slightly longer for the samples to reach temperature



Eight interchangeable blocks for sample configurations to meet your needs- The XP Cycler automatically recognizes sample blocks and configures its software accordingly.



Large LCD display provides easy monitoring of process. Windows-based PC software makes programming simple and the finished instruction set is easily uploaded to the XP Cycler.