PCR Thermal cycler automated systems

MORE INFO

Kbiosystems DT range uses a three tank water bath system to create the desired temperatures for all steps of the PCR process. Our patented compression basket system allows the use of 96-, 384- and even 1536-well PCR plates to be cycled without changing the basket or modifying the heater blocks as is currently required in Peltier units. We use plate holders to maintain pressure and as a side effect of this, we have found that once cycled, the plates also remain flat for improved post-PCR operations. The compression basket also allows the use of adhesive or easily removable seal for multiplex type operations.

The DT-24 and DT-108 Thermal Cycling PCR systems are an alternative way of carrying out medium and high throughput PCR protocols on DNA replication and incubation to micro well format plates.

Conventionally, Peltier heat transfer units have been used to carry out these operations, however, these can prove costly when trying to increase productivity throughput, and do not optimise the yield potential.

- Reduced energy used by the systems
- Cost of system change over between varying plates
- Area footprint of system
- Increased yield of post-PCR product
- Decreased cycle times
- Easy to program
- Able to use multiple plastic ware manufacturer's plates across applications
- Robustly engineered





DT-24

Width	700mm
Depth	1650mm
Height	1550mm
Power rating	15kW
Product code	**250-10004 - (415V 3 phase) or (220V single phase USA)**

DT-108

Width	1050mm
Depth	2400mm
Height	2200mm
Power rating	30kW
Product code	**250-10005-415V**