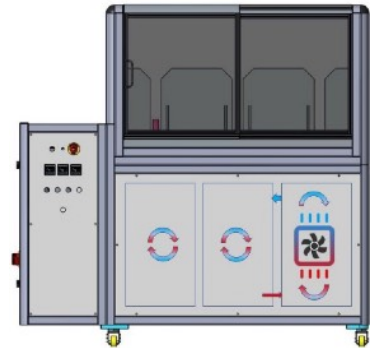


**Kbiosystems Thermal cycler automated systems offer the ideal solution to high throughput of single cycle PCR automation laboratories require for a reliable, consistent plate and tube yields.**

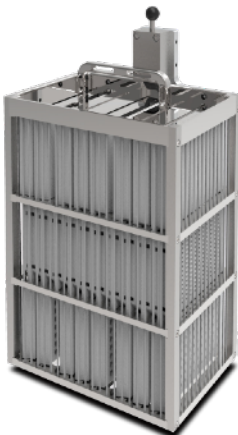


Kbiosystems DT-2Step Thermal Cycling PCR system is an alternative way of carrying out medium and high throughput 2 step PCR protocols to micro well format plates and array tape. The 2Step self contained cycler uses two water tank to run process and a ballast water tank used for cooling and stabilising tank temperatures. The system also recycles the water through cooling radiators so no need for water supply or waste management. The tanks are simple filled from your clean lab water source first time then just topped up at the start of the day. We recommend RO to protect the tanks and heater system for long use.

Kbiosystems DT range use a three tank water bath system to create the desired temperatures for all steps of the PCR process, we offer two different basket systems to allow 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. The Compression basket uses holders to plates and post cycled plates remain flat for improved post PCR operations. The CombiBasket allows you to load 96 and 384 plates in the same run.



- Reduced Energy used per plate
- Run varying plates with simple changeover
- Area footprint of system compared with equivalent Peltier systems
- Increased yield from direct thermal contact
- PC network compatible
- SBS Plates
- Array Tape processing



## Key Features:

<b>Operator Friendly</b>	Easy to program and operator and integrator friendly
<b>Versatile</b>	Able to use multiple plastic ware manufactures plates across applications.
<b>Reliable</b>	Engineered with robustness in mind

## System:

<b>Control Applications</b>	Fully automated with own PC control Individual setting of tank temperatures with full PID control Works directly with plate and tape based assays
<b>Software Flexibility</b>	Individual programmable macros stored in PC to run different plate types and numbers of plates per run

(√) Standard (O) Optional (X) Not available	DT2Step
Two tank system (third ballast water tank)	√
Temperature range, ambient to	98°C
Temperature stability	+/- 2°C
Weld Seal Basket	√
Compression Basket	√(O)
Tape Seal Holder	√(O)
Custom Application design	√(O)
Dimensions (mm)	
Length	1650
Width	700
Height	1550
Approx. weight (laden) kgs	350(525)
Power Rating (Kw)	8KW