



Obtain a "Growth Curve" of micro-organisms at varying temperatures

Features

- The system can simultaneously measure absorbance values of six specimens in a constant-temperature environment (room temperature +5°C to 70°C).
- Up to six units can be connected in series in order to handle up to 36 specimens simultaneously. Two units can be stacked to save installation space. (Up to three units can be stacked if an optional rack is used.)
- In the six-unit configuration, each unit can be controlled at a different temperature, or all specimens can be cultured at the same temperature.
- Produce a real time graph on computer (via RS-232 connection). Recorded data can be saved or printed. With a multiple-unit configuration, the graph display can be switched between the connected units.

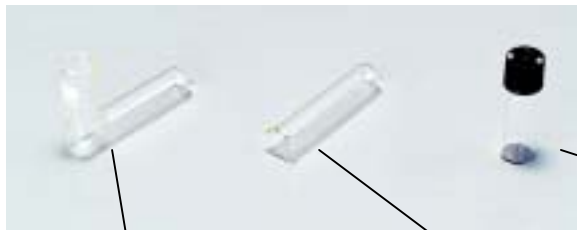
Main Applications

- Creation of temperature-controlled environment for microorganism culturing; recording and analysis of growth curves.
- Chemical-sensitivity testing of microorganism in a constant-temperature environment.
- Determination by the dilution method of the minimum inhibition concentration of substances inhibiting the culturing of the microorganism.

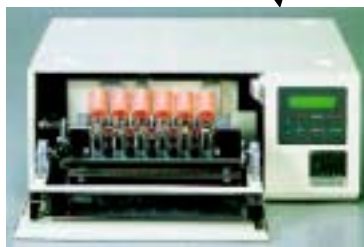
Specifications

Temperature controlling		
Range	constant temp. ranging of ambient +5°C - +70°C	
Control unit	Pt resistor method PID	
Accuracy of regulator	+/- 0.2°C on preset temp.	
Heater	100 W	
Rocking		
Motion	monode rocking motion	
Angle	60 degree.	
Speed	20 - 70 rpm digitally set by 1 rpm increment	
Incubating		
Block	Al conductivity block	
Tube holders	6 L-shaped tube of 5ml as standard accessories. Vials and test tubes are optional accessories.	
Detecting		
Light source	tungsten lamps	6 pcs.
Light reception	silicone photo- diodes	6 pcs.
Filter	660nm glass filter	6 pcs.
Recording		
Options	P/C, printer, data processible	
Pre-setting		
Wait	0 or 5 - 300 min.	
Rocking	1 - 99 min. (duration of ON or duration of OFF)	
OD measuring interval	1 - 99 min.	
Max. running duration	250 hours in sequence	
External signal	P/C controls output of temp., OD data via RS-232C	
Safety device	double anti-overheat device and circuit-breaker	
Weight	10kg approx.	
Accessories	6 L-shaped tubes, power cord, operator's manual	

Culture Tubes



L-Shaped culture tubes are traditionally used in culturing aerobic bacteria. However, standard test tubes or vials can be used in this incubator to meet the needs of your applications.



L-shaped Test Tubes



Standard Test Tubes



Vials