

Culture Chamber



- Germination experiment, tissue culture of various plants, culturing microorganisms which is sensitive to heat and light, food preservation experiment.
- Possible to set temperature, humidity, CO₂, intensity of illumination in 11 steps and possible for 11 variation tests and repetition operations for day and night and it is convenient because it has manual mode and program mode.
- It has the mode to set operating temperature of the freezer therefore it can prolong the life of the freezer by automatically preventing to operate at an unnecessarily high temperature.
- The humidity required for tissue culture is adjustable from 30% to 98%. (DS-50CH, DS-50CLH, DS-50CPH, DS-50CPLH)

DS-50CL



DS-50CPL



DS-50CPLH



		DS - 50C	DS - 50CL	DS - 50CP	DS - 50CPL
Main controller		Microprocessor digital displayed, Auto-tuning multi-functional P.I.D controller (Temp, Time)		Programmable 11step, Microprocessor LCD displayed, Auto-tuning multi-functional P.I.D controller (Temp, Light Cycle, Time)	
Temperature	Range	-5℃ to 65℃			
	Accuracy	±0.2℃ at 25℃			
Illumination	Lamp	None	F.L 32W x 5sets	None	F.L 32W x 5sets
	Controller	None	Day and night (24hr.10min./step)	None	LCD 11step Illumination controller(99hr.59min/step)
Dimensions (WxDxH)mm	In	600 x 600 x 1200			
	Out	760 x 900 x 1890			
Capacity		432 liter			
Circulation fan		23W Blower fan x 3sets			
Compressor		1/2HP			
Material (In / Out)		Stainless steel (SUS 304) / Steel plate with powder coating(SCP-1)			
Shelves		3ea, Individually adjustable 1"centers			
Power(AC220V, 60Hz)		1.2Kw	1.4Kw	1.2Kw	1.4Kw

Humidity Controller

		DS - 50CH	DS - 50CLH	DS - 50CPH	DS - 50CPLH
Humidity	Range	30 to 96% RH			
	Accuracy	±1% at 70%			
	Humidifier	Evaporation by motor(SUS316 pipe heater)			
Power(AC220V, 60Hz)		2.2Kw	2.4Kw	2.2Kw	2.4Kw