

PROTEIN CRYSTAL GROWTH CHAMBERS

Protein crystals have been grown in our chambers for over 15 years. The uniform temperature and low vibration environment these models provide allows for optimum crystalline development.

Ten lipped stainless steel trays per door offer 38 or 76 ft² of shelf space, with horizontal air flow across each tray. Microprocessor temperature control combined with horizontal air flow maintains uniformity to $\pm 1^{\circ}\text{C}$ of setpoint. A hi/low alarm monitors chamber temperature and electronic failsafes shut it down to preserve temperature in the rare event of a temperature excursion. These models sit on vibration absorbing pads to isolate them from floor vibrations, and metal to metal contact inside the chamber is also dampened. Options such as a chart recorder, RS-232 or re-transmits for computer monitoring and recording, solid doors, access ports, lockable Plexiglas[®] control cover, etc. are available.



- Microprocessor controlled 10-40°C temperature range, $\pm 0.5^{\circ}\text{C}$ at the sensor
- Audible/Visual Temperature Alarm with relay and electronic failsafe setpoints
- Stainless steel interior with gray powder coat steel exterior
- Ten stainless steel lipped trays per door, gliding type
- Double pane hinged glass door with door lock
- Vibration dampening at all metal to metal contact points
- Padded feet (one inch high) to isolate chamber from floor vibrations
- Electric condensate evaporator
- Removable instrument panel reduces height by 5" to facilitate moving through doorways
- Pre-charged condensing unit for mounting on wall next to chamber*
- One year parts and labor warranty
- Four additional years on compressor (part only)



Model
PCT33SD



Model
PCT70SD

Model	Style	Temp. Range and Uniformity	Capacity cu ft/liters	Total Shelf Area sq. ft/m	Dimensions		Electrical Required	HP	Shipping weight lbs/kgs
					Exterior in/cm	Interior in/cm			
PCT33SD		10-40°C $\pm 1^{\circ}\text{C}$	28/790	38.3/3.6	33/84 31/79 79.5/202	W 29/74 D 24/61 H 69/175	115 volts 20 amps 5-20	1/3	650/295
PCT70SD		10-40°C $\pm 1^{\circ}\text{C}$	72/2035	76.6/7.2	70/178 31/79 79.5/202	W 66/167 D 24/61 H 69/175	115 volts 30 amps L5-30	1/2	950/432

*Customer provides wall mounted shelf capable of supporting 100 lbs of weight for the condensing unit. Pre-charged condensing unit quick connects to chamber.