

PHOTOSTABILITY CHAMBER

Photostability chambers provide high intensity lighting in the 300-700 nm range for pharmaceutical stability studies conducted at constant temperature (25°C) according to ICH guidelines. Each shelf has a bank of 10 lights that produce uniform lighting ($\pm 10\%$) across a large circular area on the shelf. The banks combine black and cool white fluorescent bulbs to satisfy the ICH definition for Option II lighting. At a distance of about 8" from the lights, average light intensity is approximately 10,000 lux for visible light and 10 w/m² for black light. Four light switches control the light banks, and a black light digital timer allows the black light portion of the testing to be curtailed while the visible light portion of the study continues to completion. Temperature failsafes and lockable solid doors protect the study from temperature excursions and light disruption. Accessories such as an A/V hi-low alarm, chart recorder, or access port for remote monitoring are popular options.

- 20-45°C temperature range, $\pm 1^\circ\text{C}$ measured at the sensor
- Microprocessor-controlled temperature with digital display
- Four stainless steel trays with light banks, adjustable
- Light banks with 4 black and 6 cool white fluorescent lights each
- Black lights digital timer
- Casters, locking, 4"
- Adjustable louvers over air ports; horizontal air flow
- High temperature failsafe
- Solid hinged doors with door locks
- Powder coat white or gray exterior finish over steel; white powder coat steel interior for high reflectivity
- One year parts and labor warranty
- Four additional years on the compressor (part only)



Model PST52SD with optional alarm and chart recorder (glass door for photo only)



Cross section of lighting arrangement with black lights in number 1, 4, 7 and 10 positions.

Model	Style	Temp Selection and Uniformity	Number of Lights	Capacity (ft ³ /liters)	Total Shelf Area (ft ² /m ²)	Dimensions		Electrical (domestic)	HP	Shipping Weight (lbs/kg)
						Exterior** (in/cm)	Interior (in/cm)			
PST52SD		20-45°C $\pm 1.5^\circ$ *	40 (6 C.W. and 4 Black per Shelf)	31/880	16/1.5	52/132 W 29/74 D 74.5/189 H	29/74 25/64 69/175	115/60/1 30 amps L350R plug	1/2	550/250

*At the sensor

**Exterior height before casters are installed.



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Instrumentation Superbly Supported

L'instrumentation à son meilleur

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