

Aluminium Block Cryostat with Magnetic Stirrer PSL-2500A·2500B

Aluminum block cooling system provides safe and stable temperature control as low as -100°C which cannot be obtained by dry-ice/aceton mixture or ice.



PSL-2500A

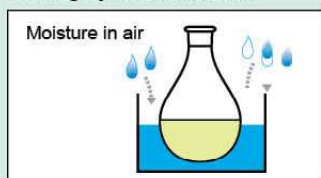
PSL-2500B

Features

- Equipped with strong magnetic stirrer for bath and vessel to keep sample temperature accurate and stable.
- Minimum temperature is as low as -100°C .
- Flask (PSL-2500B), test tube or centrifugal tube can be mounted.
- Compact desktop design of 220Wx445Dmm (PSL-2500A), 220Wx600Dmm (PSL-2500B).
- Time required to reach minimum temperature is only 40 minutes by use of highly thermal conductive aluminum block.
- Various reaction vessels can be mounted by using different size aluminum blocks and adapters.

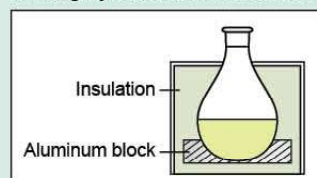
Point! Safe and uniform cooling by aluminum block.

Cooling by chilled medium



Cooling capacity fluctuates by alcohol evaporation and use of inflammable alcohol contains flash accident risk.

Cooling by chilled aluminum block



Volatilization and consequent composition change can be avoided thanks to dry cooling system by aluminum block. Stable and quick cooling is also feasible.

Point! Wide variety of vessels can be mounted.

Vessel	Flask	Test tube	Centrifugal tube	Aluminum bath
Model				
PSL-2500A	10~500mL	$\phi 24 \times 4$ 、 $\phi 34 \times 2$	50mL	—
PSL-2500B	10mL~1L	Vessel size changeable		Vessel smaller than bath size

Point! Flexible aluminum bath



Aluminum beads

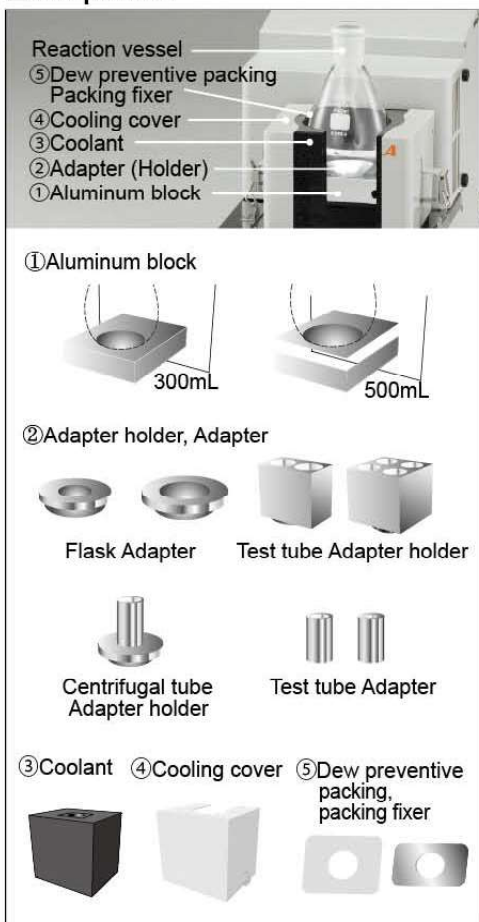
Aluminum beads + PP ball

Various size vessels can be mounted. Prevents dew condensation. Can be used as liquid bath by filling low temp·heat medium.

Specifications

Product name	Constant Temperature Bath with magnetic stirrer	
	PSL-2500A	PSL-2500B
Model	PSL-2500A	PSL-2500B
Cat. No.	263158/263159	263160
Cooling system	By aluminum block	
Temperature control range	$-80 \sim \text{R/T} - 20^{\circ}\text{C}$	$100^{\circ}\text{C} \sim \text{R/T}$
Temp. control accuracy	$\pm 2^{\circ}\text{C}$	
Cooling speed	$20^{\circ}\text{C} \rightarrow -80^{\circ}\text{C}$ (30min.)	$20^{\circ}\text{C} \rightarrow -100^{\circ}\text{C}$ (40min.)
Rotation speed	100~800rpm	
Temp. control	Micro processor P.I.D control	
Motor	DC brushless motor 15W	
Cooler & refrigerant	Refrigerator 80W Helium gas	Refrigerator 150W Helium gas
Aluminum block	Option	
Dimensions (mm) & Weight	220W x 445D x 315H 15kg	220W x 630D x 350H 24kg
Power source	230VA AC115V	250VA AC100V

Composition



Aluminum block

Vessel size	2500A	2500B (w/o heater)	2500B (with heater)
	Cat. No.		
10mL	262510	262590	262730
20mL	262500	262580	262720
30mL	262490	262570	262710
50mL	262480	262560	262700
100mL	262470	262550	262690
200mL	262460	262540	262680
300mL	262450	262530	262670
500mL	259630	262520	262660
1L	—	258800	upon order

Test tube adapter

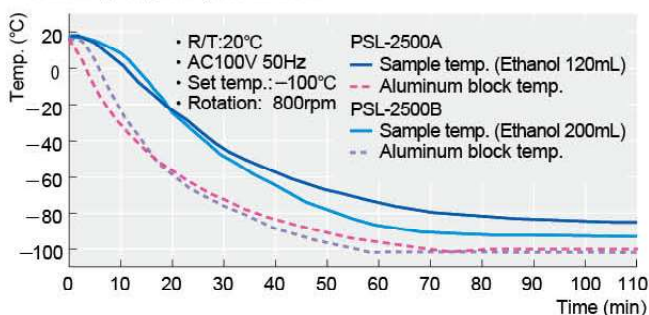
Vessel size	2500A	2500B (w/o heater)	2500B (with heater)
	Cat. No.		
φ24×4	262600	262630	262740
φ34×2	262610	262640	262750

50mL Centrifugal tube

2500A	2500B (w/o heater)	2500B (with heater)
Cat. No.		
262620	262650	262760

Data

Cooling capacity and time



Aluminum bath (PSL-2500B)
 Cat. No. 262210



Beads for aluminum bath
 2L Cat. No. 262250

PP ball for aluminum bath
 φ10x500pcs Cat. No. 262260
 φ10x1000pcs Cat. No. 262270



Rotary Evaporator 1

Vacuum Pump & Aspirator 2

Organic Synthesizer 3

Freeze Drier, Spray Drier 4

Shaker 5

Stirrer 6

Tube Pump 7

Low Temperature Oscillator 8

Cold Trap 9

Constant Temperature Bath 10

Incubator 11

Oven 12

Fermentor 13