

Shaking Incubators

Premium Dual Chambers SOT-536S/536SR

Antech unique technology on the motor driving and tray balance controlled by the PID microprocessor enable the shaking more smooth, stable and safe.

Scope of application: Cell culture/Solubility test/Extraction experiment

Diagnostic monitoring/Sample mixing

Bacterial suspension preparation/Dyeing and decoloring

Elution process/Hybridization experiment



Features

- This orbital shaker is Combined 2 shakers together, two chamber can set different program.
- Shaking double layer tray, suitable to load large flask to 50ml to 2000ml.
- 7 inches LCD touch screen shows the set parameters and realtime operation parameters.
- USB enable user to download data.
- The visible and audible alarm reminds the shaking condition safely.
- Shaking tray is with auto balance system makes the operating more smooth.
- The transparent glass window and built-in lighting make it easy to observe the samples at any time.
- The unique single-axis balanced drive technology and high-quality inverter motor create low vibration and low noise.
- Power-off recovery function enables the shaker automatically restart operation according to the original set program after power resupply.
- Stainless steel #304 mirror with round corners.



General Control

P.I.D microprocessor with 7" LCD touch screen display shows the logical menus and actual parameters. Programmable shaking operation and timer enable user to make personalized program

Shaking Control

Shaking mode: Orbital and reciprocal, Shaking Speed range: 30 to 300 rpm. Stroke : 25mm.

Timer range: 0 to 999 hours 59 minutes.

Shaking speed accuracy is ± 1 RPM

Audible/Visible alarm for shaking speed deviation.

Automatic shaking balance adjustment in case of unbalanced load placement and reduce the vibrations

Temperature Control

Heating type is ambient $+5^{\circ}\text{C}$ to 60°C (SOT-536S)

Cooling type is $+4^{\circ}\text{C}$ to 60°C (SOT-536R)

Microprocessor PID auto-tuning the cooling and heating Temperature adjustment is 0.1°C ,

Audible and visible alarm for high and low temperature

Accessories

UV germicidal light keeps the chamber contamination free.

LED light for users easy to observe shaking condition

Castors for easy move and strong level feet for fixed Pre-drilled shaking tray can place different flask clamp

Flask clamp is optional from 50ml to 2000ml



Flask Capacity

Flask Capacity	50ml	100ml	250ml	500ml	750ml	1000ml	2000ml	3000ml	5000ml
SOT-536S	120	120	80	64	36	36	24	—	—
SOT-536SR	120	120	80	64	36	36	24	—	—



Specification

Product model	SOT-536S	SOT-536SR
Chamber volume	268L Per chamber total 536L	
Shaking mode	Orbital	Orbital
Shaking Speed	30-300RPM	
Stoke	25mm	
Temperature Range	Ambient +5 ℃~60 ℃,Heated	4~60 ℃,Heated and Refrigerated
Tray size (W*D)	498*460mm	
Control	P. I. D Microprocessor	
Control mode	Fixed value or program (upto 8 segment)	
Display	7" LCD Touch screen	
Air Convection	Forced Air	
Ambient temperature	10-35 ℃	
Temperature Accuracy	0.1 ℃	
Temperature uniformity	±1 ℃ (at 37 ℃)	
Shaking Speed	30-300RPM	
Stroke Accuracy	±1RPM	
Timer	0-999hour 59 minutes	
Tray Quantity	4	4
Net weight	165KGs	185KGs
Interior size	607*506*875mm/ Chamber	
Exterior size	1350*645*1620mm	
Accessory	LED light/UV lamp	
Power	1920W	2240W
Voltage	AC 200~240V 50H or AC 200~240V 60Hz	
Interior material	High-quality 304 stainless steel Mirror type	
Exterior material	High-quality cold rolled steel with electrostatic powder spraying	
Safety	"Audible and visible: High/low temperature, high/low shaking speed Electrical overload protection, Electrical leakage protection, Compressor overload protection"	

Order information

FT001	T clamp,S/S,with spring retainer for 50mL flask	FT007	T clamp,S/S,with spring retainer for 750ml flask
FT002	T clamp,S/S,with spring retainer for 100mL flask	FT008	T clamp,S/S,with spring retainer for 1000ml flask
FT003	T clamp,S/S,with spring retainer for 150ml flask	FT009	T clamp,S/S,with spring retainer for2000ml flask
FT004	T clamp,S/S,with spring retainer for 250ml flask	FT010	T clamp,S/S,with spring retainer for 3000ml flask
FT005	T clamp,S/S,with spring retainer for 300ml flask	FT011	T clamp,S/S,with spring retainer for 5000ml flask
FT006	T clamp,S/S,with spring retainer for 500ml flask		