

Shaking Incubators

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

- Internationally original patented dual-row dual-control technology.
- The front-opening design eliminates the need to stand on tiptoe or squat down, making the operation more convenient.
- There is no need to pull or fix the rocking plate to take and place, and the operation is more convenient.
- 7-inch large-screen color touch screen.
- 304 stainless steel mirror arc corners in the working chamber.
- The domestic original single-axis balanced drive technology is ultra-low and quiet.
- Intelligent acousto-optic alarm environment scanning micro-processing controller.
- The large LCD backlit LCD display shows the set parameters and measured parameters.
- The operating parameters are encrypted and locked to avoid human misoperation.
- Run parameter memory function to avoid tedious operation.



General Control

P.I.D microprocessor with LCD display shows icons and logical menus.
Automatic run is available with non-volatile set point memory after power interruption.

Shaking Control

Speed range: 30 to 300 rpm. Stroke : 25mm. Timer range: 0 to 999 hours 59 min.
Audible/Visible alarm for shaking speed deviation.
Automatic shaking speed adjustment in case of excessive workload such as unbalanced load placement, unusual vibrations caused from unstable floor or external shock.

Temperature Control

Ambinet. +5°C to 60 °C (forATS-2018)
Min. +4) to 60°C (for ATS-2018R)
Microprocessor PID control and auto-tuning.
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



Flask Capacity

Flask Capacity	50ml	100ml	250ml	500ml	750ml	1000ml	2000ml	3000ml	5000ml
ATS-2018	120	120	80	64	36	36	24	—	—
ATS-2018R	120	120	80	64	36	36	24	—	—



Specification

Product model	ATS-2018	ATS-2018R
Chamber volume	268L Per chamber total 536L	
Shaking mode	Orbital	Orbital
Shaking Speed	30-300RPM	
Stoke	25mm	
Temperature Range	Ambient +5 ℃~60 ℃	4~60 ℃
Performance	Heated	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		