



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/Extraction experiment/Sample mixing

Dyeing and decoloring/Hybridization experiment/Solubility test

Plasmid purification/Bacterial suspension preparation

Elution process/Protein

Features

- The shaker can be placed on the tabletop, and at the same time, two shakers can be stacked and landed.
- The standard double-layer bottle splint is convenient for storing more samples.
- The design of the front opening door makes the shaker more flexible than the flip-up shaker
- There are two temperature ranges of constant temperature and low temperature to choose from.
- The transparent observation window and built-in lighting design make it easy to observe the sample at any time.
- Observe temperature, oscillation speed, and time at the same time.
- A variety of accessories: UV germicidal lamp, humidity detection or control, air intake pipe, lighting system, etc., to optimize the cultivation plan for you.



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-2013, ATS-2013-2)
Min. +4) to 60°C (for ATS-2013R, ATS-2013R-2)
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-2013	30	30	20	16	9	9	5	—	4
ATS-2013R	30	30	20	16	9	9	5	—	4
ATS-2013-2	60	60	40	32	—	—	—	—	—
ATS-2013R-2	60	60	40	32	—	—	—	—	—



Specification

Product model	ATS-2013	ATS-2013R	ATS-2013-2	ATS-2013R-2
Control	P. I. D Microprocessor			
Control mode	Fixed value or program (upto 8 segment)			
Display	LCD display			
Air Convection	Forced Air			
Shaking mode	Orbital/Reciprocal	Orbital/Reciprocal	Orbital	Orbital
Chamber volume	155L			
Ambient temperature	10-35 °C			
Maximum stacked	2	2	2	2
Performance	Heated	Heated and Refrigerated	Heated	Heated and Refrigerated
Temperature Range	+5 °C ~60 °C	4~60 °C	+5~60	4~60
Temperature Accuracy	0.1 °C			
Temperature uniformity	≤± 1 °C (at 37 °C)			
Shaking Speed	30-300RPM			
Stroke Accuracy	±1RPM			
Stoke	25mm			
Timer	0-999hour 59 minutes			
Tray size (W*D)	456*450mm			
Shelf Size (W*D)	450*400mm			
Tray Quantity	1	1	2	2
Shelf Quantity	1	1	1	1
Net weight	120KGs	135KGs	140KGs	155KGs
Interior size	560*500*555mm			
Exterior size	650*820*810mm(not include 90mm feet)			
Accessory	LED light/UV lamp			
Power	600W	1030W	600W	1030W
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		

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Plasmid purification/Bacterial suspension preparation/Elution process



Features

- At most three units can be superimposed and still only occupy the area of one shaker.
- Flip-down door design, convenient pull-out tray, flexible operation.
- 304 stainless steel mirror arc corners in the working chamber.
- Original single-axis balanced drive technology, ultra-low mute.
- 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.



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Temperature Control

Ambinet. +5°C to 60 °C (forATS-2016/D2016/F2016)
Min. +4) to 60°C (for ATS-2016R/D2016R/F2016R)
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-2016 Series	—	—	60	40	—	24	15	—	—



Specification

Product model	ATS-2016	ATS-D2016	ATS-F2016	ATS-2016R	ATS-D2016R	ATS-F2016R
Control	265L	265L	265L	265L	265L	265L
Control mode	Orbital	Orbital	Reciprocal	Orbital	Orbital	Reciprocal
Display	25mm	50mm	25mm	25mm	50mm	25mm
Air Convection	+5 °C ~60 °C			4~60 °C		
Shaking mode	Heated			Heated and Refrigerated		
Chamber volume	498*460mm					
Ambient temperature	P. I. D Microprocessor					
Performance	Fixed value or program (upto 8 segment)					
Temperature Range	LCD display					
Temperature Accuracy	Forced Air					
Temperature uniformity	10-35 °C					
Shaking Speed	0.1 °C					
Stroke Accuracy	±1 °C (at 37 °C)					
Stoke	30-300RPM					
Timer	±1RPM					
Tray size (W*D)	0-999hour 59 minutes					
Tray Quantity	1	1	1	1	1	1
Net weight	180KGs	180KGs	180KGs	220KGs	220KGs	220KGs
Interior size	1120*595*398mm					
Exterior size	1150*780*630mm					
Accessory	LED light/UV lamp					
Power	980W			1200W		
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"					

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