

# Shaking Incubators

## Bench Top

**SOC-18BS/54BS/54BSF/69BSR/69BSFR**

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/Expressed protein



## Features

- The optimized loading space with capacity 18L, 54L and 69L can load large flask upto 3000ml flask
- It can be optional for Orbital or Reciprocal.
- LCD digital display shows the set parameters and realtime operation parameters.
- 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.
- High-quality inverter motor, low vibration, low noise, high efficiency, wide speed regulation, maintenance-free, energy-saving, and long-lasting operation.
- The unique single-axis balanced drive technology is ultra-low quiet.
- 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 is easy for cleaning.



## General Control

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

## Shaking Control

Shaking mode: Orbital or reciprocal, Shaking Speed range: 30 to 300 rpm. Stroke : 25mm/0~50mm.

Timer range: 0 to 999 hours 59 minutes.

Shaking speed accuracy is  $\pm 1$ 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 ambinet  $+5^{\circ}\text{C}$  to  $60^{\circ}\text{C}$  .

Cooling type is  $+4^{\circ}\text{C}$  to  $60^{\circ}\text{C}$  .

Microprocessor PID auto-tuning the cooling and heating .

Temperature adjustment is  $0.1^{\circ}\text{C}$ .

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 Loading Capacity

Flask Capacity	50ml	100ml	250ml	500ml	750ml	1000ml	2000ml	3000ml	5000ml
SOC-18BS	9	9	5	—	—	—	—	—	—
SOC-54BS/54BSF	16	16	12	9	5	5	—	—	—
SOC-69BSR/69BSFR	25	25	16	9	9	9	5	—	—



## Specification

Product model	SOC-18BS	SOC-54BS	SOC-54BSF	SOC-69BSR	SOC-69BSFR		
Chamber volume	18L	54L	54L	69L	69L		
Shaking Speed	30~400RPM	30~600RPM	30~400RPM	30~600RPM	30~400RPM		
Stoke	25mm	0~50mm adjustable	25mm	0~50mm adjustable	25mm		
Shaking mode	Orbital	Orbital	Reciprocal	Orbital	Reciprocal		
Tray size (W*D)	260×260	400×370	400×370	420×400	420×400		
Temperature Range	+5℃~60℃,Heated			4~60℃,Heated and Refrigerated			
Control	P. I. D Microprocessor						
Control mode	Fixed value or program (upto 8 segment)						
Display	LCD display						
Air Convection	Forced Air						
Ambient temperature	10-35℃						
Temperature Accuracy	0.1℃						
Temperature uniformity	≤± 1℃ (at 37℃)						
Stroke Accuracy	±1RPM						
Timer	0-999hour 59 minutes						
Tray Quantity	1						
Net weight	54KGS		72KGs	100KGs			
Interior size(W*D*H)	360*340*280mm	410×450×300mm		460×500×350mm			
Exterior size (W*D*H)	560×530×560mm	610×610×510mm		700×740×560mm			
Accessory	LED light/UV lamp						
Power	280W	490W		580W			
Voltage	AC 200~240V 50H or AC 200~240V 60Hz						
Interior material	High-quality 304 stainless steel Mirror type						
Exterior material	High-quality ABS materials						
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		