

# Shaking Incubators

## Classic Horizontal

**SOC-186S/186L/186SF/245S/245SR/186SR/186LR/186SFR**

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 horizontal shaking incubators have Orbital or Reciprocal type.
- 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/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 ambient  $+5^{\circ}\text{C}$  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 Capacity

Flask Capacity	50ml	100ml	250ml	500ml	750ml	1000ml	2000ml	3000ml	5000ml
SOC-186S/186L/186SF	54	54	36	28	18	18	11	—	—
SOC-245S/245SR/186SR	54	54	36	28	18	18	11	—	—
SOC-186LR/186SFR	54	54	40	28	18	18	11	8	6



## Specification

Product model	SOC-186S	SOC-186L	SOC-186SF	SOC-245S	SOC-245SR	SOC-186SR	SOC-186LR	SOC-186SFR
Chamber volume	186L	186L	186L	245L	245L	186L	186L	186L
Shaking mode	Orbital	Orbital	Reciprocal	Orbital	Orbital	Orbital	Orbital	Reciprocal
Shaking Speed	30~300RPM	30~300RPM	30~300RPM	30~300RPM	30~300RPM	30~300RPM	30~300RPM	30~300RPM
Stoke	25mm	50mm	25mm	25mm	25mm	25mm	50mm	25mm
Temperature Range	Ambinet+5 C~60 C ,Heated				4~60 C ,Heated and Refrigerated			
Tray size (W*D)	920x500mm							
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 C							
Temperature Accuracy	0.1 C							
Temperature uniformity	≤± 1 C (at 37 C)							
Stroke Accuracy	±1RPM							
Timer	0-500hours							
Tray Quantity	1							
Net weight	159KGS	259KGS	159KGS	168KGS	183KGS	175KGS	275KGS	175KGS
Interior size(W*D*H)	970*550*350mm			970x550x460		970x550x350mm		
Exterior size (W*D*H)	1250*740*840mm			1250x740x980		1250x740x840		
Accessory	LED light/UV lamp							
Power	960				1120			
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

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