

# Stuart range of shaking incubators

Stuart® now offers a comprehensive range of benchtop, shaking incubators. Ideal for scientists performing cell culturing procedures, especially suspension culture applications. All units are compact enough to be positioned on the laboratory bench. While the SI505 offers identical incubation conditions with a shaking action that is ideal for microtitre plates or micro tubes.

When combined with the SRC4 recirculating cooler, or equivalent, the SI600C can operate at temperatures down to 15°C below ambient (minimum 5°C) making it ideal for low temperature applications, such as cell based protein expression.

Every Stuart® shaking incubator comes as standard with BioCote® antimicrobial protection and a three year warranty.

### **Key Features**

- Combined incubator shakers
- SI600C is also available with cooling\*
- 51 or 115 Litre capacity available
- Digital display for temperature and speed
- Integrated timer
- Unique retractable platform for easy loading and unloading
- Angle adjustable accessory tube racks, with Magnalock coupling system available
- Communications enabled for external temperature measurement

### SI600C

Cooled Incubator<sup>3</sup>





### Easy to control

In all models (excluding SI505) the shaker provides an orbital shaking motion, adjustable between 30 to 300rpm with a gentle start action. The shaking speed is microprocessor controlled and set via the digital LED control panel. The incubators also incorporate a versatile digital timer which can be set from 1 second to 9 days. After the timer has counted down the shaking action will stop and an alert will sound, as a safety feature the incubator will continue to run.

The incubators feature smoked acrylic windows in the door and to both sides to allow easy visibility of the samples. In the case of the SI600C all viewing windows are also double glazed to prevent condensation when the unit is set to subambient temperatures. The incubators temperature is set via a separate bright LED display, encoder control ensures that the temperature can be quickly set between:

SI500, SI600 - ambient temperature +5°C and 60°C

SI505 - ambient +7°C and 60°C

SI600C - ambient -15°C (minimum 5°C) and 60°C\*

Forced air circulation ensures uniform heating of the load.

#### Accessories

SI500, SI600 and SI600C: A wide range of stainless steel accessory racks are available to hold 1.5ml, 15ml and 50ml sample tubes, the angle of the tubes can be adjusted up to 30°. Accessory racks are held to the orbiting platform by a Magnalock system, allowing quick coupling and decoupling without tools.

SI505: A range of polycarbonate racks are available for 0.2ml, 0.5ml or 1.5ml microtubes.

#### SI500





# Retractable platform

The units all feature a retractable platform. Under normal use the platform is locked in place but whilst accessing your samples the platform can be drawn forward out of the chamber to allow easiest access to samples at the back of the incubator.

# Versatile clamping system

The Incubators have a versatile clamping system which secures most sizes and mixtures of flask up to 1 litre on the SI500 and 2 litre on the SI600 & SI600C. Typically, the SI500 platform will accommodate the following Erlenmeyer flasks:  $12 \times 250$  ml, or  $9 \times 500$ ml or  $4 \times 1000$ ml while the SI600 & SI600C can accommodate the following:  $6 \times 2000$ ml,  $9 \times 1000$ ml or  $15 \times 500$ ml. Rather than a clamping system, the SI505 features a high friction mat to secure microtitre plates or tube racks for

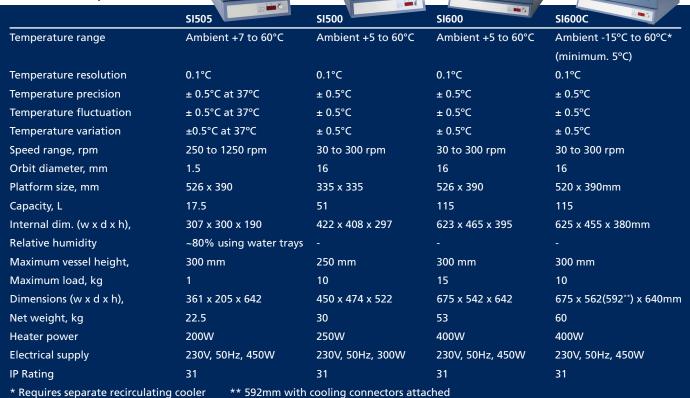
### Microtitre Plate Incubator

Where the SI505 differs from other Stuart® shaking incubators is in the shaking action. In order to achieve sufficient mixing within well plates or microtubes a much higher shaking speed about a smaller orbit is required. The Shaking action on the SI505 has been optimised, combining a high speed action between 250 and 1250rpm with a tight orbit of 1.5mm. This enables even the smallest of vessels to adequately mix.

To minimize sample evaporation the SI505 is supplied with stainless steel water trays, these are strategically placed within the unit to maintain a humidity of up to 80%, thus dramatically reducing sample evaporation over a 24 hour period.



# **Technical Specification**



# Ordering Information

Model	Description	
SI500	Incubator, orbital shaker	
SI505	Microtitre plate shaker incubator	
SI600	Incubator, orbital shaker, large	
SI600C	Incubator, orbital shaker, large, cooled	
SRC4	Recirculating cooler	
SI500/IQOQ	Incubator, orbital shaker with IQ/OQ documentation	
SI505/IQOQ	Microtitre plate shaker incubator with IQ/OQ documentation	
SI600/IQOQ	Incubator, orbital shaker, large with IQ/OQ documentation	
SI600C/IQOQ	Incubator, orbital shaker, large with IQ/OQ documentation	Magnalock accessory racks
SI500/1	Tube rack, 1.5ml x 64 microtubes	
SI500/2	Tube rack, 15ml x 25 centrifuge tubes	
SI500/3	Tube rack, 50ml x 12 centrifuge tubes	
SI500/4	Tube rack, 16 x 30ml Universal plastic containers	
SSM5/1	Tube holder for 1.5ml tubes	
SSM5/2	Tube holder for 0.5ml tubes	
SSM5/3	Tube holder for 0.2ml tubes	

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