

stuart®

SI500 Shaking Incubator

precisely controlled and uniform conditions for biological growth



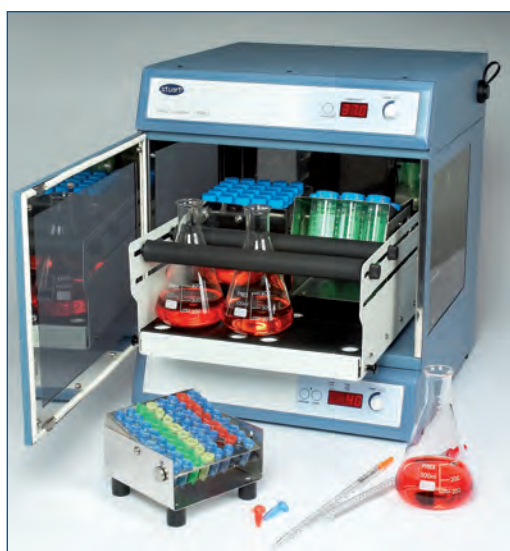
SI500 shaking incubator



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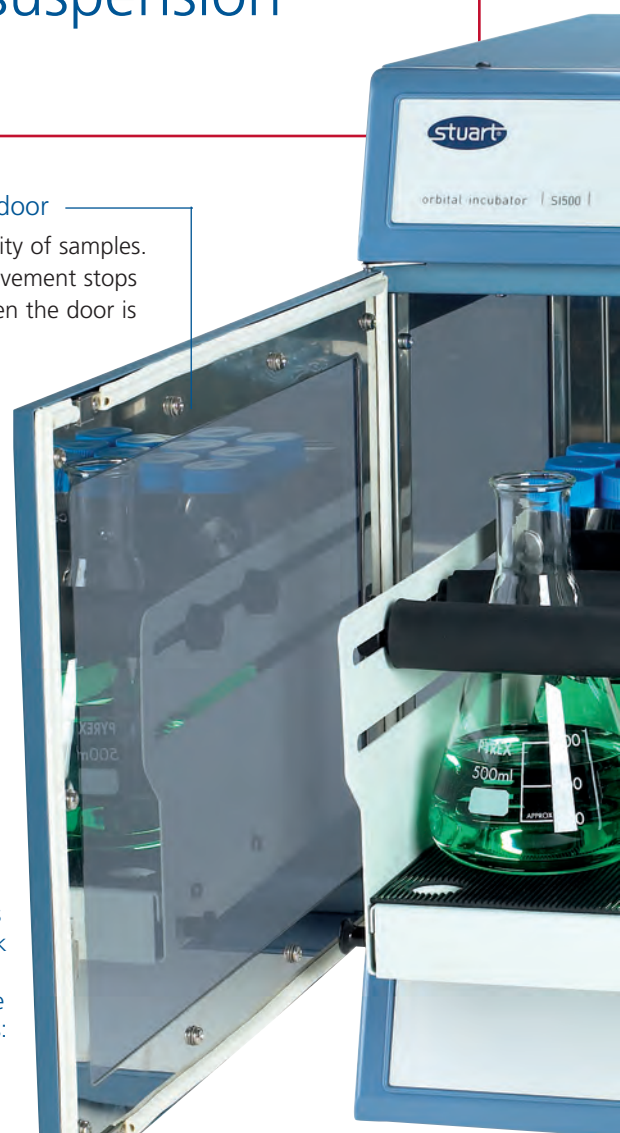


The Stuart® SI500 is unrivalled as a combined shaker/incubator, offering perfectly controlled and uniform conditions for biological growth. With a compact design to fit the laboratory bench, the SI500 is the ideal tool for cell culture procedures, especially suspension culture applications.



Smoked acrylic door

Allows easy visibility of samples. The incubator movement stops automatically when the door is opened



- Combined incubator and shaker
- Digital temperature and speed display
- Integrated timer
- Unique retractable platform for easy loading and unloading
- Angle adjustable accessory tube racks available with patent pending Magnalock coupling system
- PC communications enabled to record temperature measurement
- With BioCote® antimicrobial protection

The new Stuart SI500 combined shaker and incubator provides an orbital shaking motion, adjustable between 30 to 300rpm with a gentle start action. Shaking speed is microprocessor controlled and set via a digital LED control panel.

The incubator incorporates a versatile digital timer which can be set from one second to nine days. After the timer has counted down the shaking action stops and an alert sounds; as a safety feature however the incubator continues to run.

The incubator temperature is set via a separate bright LED display while encoder control ensures that the temperature can be quickly set between

ambient temperature +5°C and 60°C. Forced air circulation ensures uniform heating of the load.

The platform has a versatile clamping system which secures most sizes and mixtures of flask up to 1 litre capacity. Typically, the platform will accommodate the following Erlenmeyer flasks: 12 x 250 ml, 9 x 500 ml or 6 x 1000 ml.

The unit features a retractable platform. Under normal use the platform is locked in place but it can be drawn forward out of the chamber to allow easy access to samples at the back of the incubator.

Smoked acrylic windows in the incubator door and on both sides allows maximum visibility of samples.

The SI500 also features a USB connection and dedicated software to enable long term temperature monitoring - for example over weekends.



Digital display and control

The speed and temperature of the incubator are digitally controlled via the easy to read LED control panel.



Accessory racks

A wide range of stainless steel accessory racks are available to hold 1.5ml, 15ml, 30ml 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 patent pending Magnalock system, allowing quick coupling and de-coupling without tools.



USB communications

USB port with water proof cap for protection when not in use is fitted as standard. The unit can be connected to a standard PC for long term monitoring of the temperature, e.g. overnight

Smoked acrylic windows

On both sides for total visibility of samples.

Retractable platform

Unique retractable platform allows easy access to samples at the rear of the incubator

Integrated timer

An integral timer is included with the unit, the timer can be set for any length of time up to 9 days, after which the motion will be halted. The incubator will remain at the set temperature to protect your samples.



Technical and ordering information



Technical Specification

SI500

Temperature range	Ambient + 5°C to 60°C
Temperature display resolution	0.1°C
Temperature precision	± 0.5°C
Temperature fluctuation	± 0.5°C
Temperature variation	<0.5°C
Speed range	30 to 300rpm
Orbit diameter	16mm
Platform size	335 x 335mm
Internal dimensions (w x d x h)	422 x 408 x 297mm
Maximum vessel height	250mm
Maximum load	10kg
Overall dimensions (w x d x h)	450 x 474 x 522mm
Net weight	30kg
Heater power	250W
Electrical supply	230V, 50Hz, 300W

Ordering Information

Model	Description
SI500	Incubator, orbital shaker
SI500/1	Tube rack, 64 x 1.5ml microtubes
SI500/2	Tube rack, 25 x 15ml centrifuge tubes
SI500/3	Tube rack, 12 x 50ml centrifuge tubes
SI500/4	Tube rack, 16 x 30ml universal containers

