

# Cole-Parmer<sup>®</sup> Stuart<sup>™</sup> Microplate Shaking Incubator – SI505

- Incubator with shaker
- Ideal for microplates and microtubes
- Integrated timer
- Digital display for temperature and speed
- Optimised performance to minimise sample evaporation
- Retractable platform for easy loading and unloading
- Comes in 2 sizes - 51 L or 115 L
- Three year warranty





# Cole-Parmer® Stuart™ Microplate Shaking Incubator – SI505

The Cole-Parmer® Stuart™ SI505 incubators have specifically been designed for adequately mixing small volumes of liquids in a temperature-controlled environment. The high-speed shaking action at 250 and 1250rpm, with a tight orbit of 1.5mm, is ideal for microtitre plates and microtubes.

The units feature a microprocessor controller and an LED control panel that allow independent control of speed and temperature, as well as a timer that can be set for any duration from 1 second to 9 days. Careful control of the air distribution within the incubator ensures temperature uniformity, between +7°C to +60°C, throughout the sample chamber.

A retractable platform facilitates easier access to samples at the back of the incubator. During operation it remains securely locked in place. The non-slip mat ensures up to four microtitre plates can comfortably and securely be accommodated at the same time; tube racks for all common tube can sizes are also available for the units.

Strategically placed stainless steel water trays ensures up to 80% humidity, preventing sample evaporation and damage over extended periods of incubation. The built-in USB connection allows the units to be connected to a PC for long term temperature monitoring.

## Technical Specification

Specification	SI505
Temperature range	Ambient + 7°C to 60°C
Samples	4 x Microtitre plate or 2 x microtube racks
Temperature display resolution	0.1°C
Temperature fluctuation	± 0.5°C at 37°C
Temperature variation	<0.6°C at 37°C
Temperature precision	± 0.5°C at 37°C
Speed range	250 to 1250rpm
Speed control	Digital set in 10rpm increments
Timer	min/sec, hour/min, days/hours
Orbit diameter, mm	1.5
Platform size, mm	220 x 220
Relative humidity	~80% (using water trays)
Internal dimensions, mm (w x d x h)	307 x 300 x 190
Maximum load, kg	1
Overall dimensions, mm (w x d x h)	361 x 405 x 430
Net weight, kg	22.5
Heater power, W 200W	200W
Electrical supply	230V, 50Hz, 250W
IP Rating	31

## Ordering Information

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
Microtitre plate shaker incubator	79520-10	SI-200	SIM-200D-M	SI505
Microtitre plate shaker incubator 120V/60HZ	79520-08	SI-200	SIM-200D-M-120	SI505/120/60
Microtitre plate shaker incubator with IQOQ document	79520-06	SI-200	SIM-200D-M	SI505/IQOQ

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