

Stuart, SI30H Hybridisation Incubator and Shaker

- // Compact design
- // Rotisserie and rocker in one unit
- // 'Up and over' door for accessibility
- // Accurate temperature control
- // Advanced safety features
- // Variable speed control
- // 3 year warranty

A very versatile 20 litre hybridisation incubator and combined rocker shaker which only requires a minimum of bench space. The incubator temperature is accurately set via the easy to use encoder controls and displayed by a bright LED. Forced air circulation combined with microprocessor control means outstanding temperature uniformity.

The 'safety first' design includes an over-temperature protection system that automatically tracks the set temperature and controls the heater in the event of a fault. The smart system displays error codes indicating a fault has occurred or if the set temperature has been interrupted. The incubator also cuts power to the motor if it overheats or stalls.



NEW

Stuart, SI30H Hybridisation Incubator and Shaker

The incubator has a stainless steel interior, whilst the door is constructed from a double glazed panel of smoked acrylic and polycarbonate to provide radiation protection. The 'up and over' door mechanism gives excellent access to the incubator. Conversion of the unit to a rocker shaker is fast and easy. Simply remove the rotisserie and pull forward the platform located at the rear of the incubator. The gentle rocking action is ideal for the washing stage of most hybridisation procedures. Rocking speed is fully variable allowing optimisation depending on application. A range of hybridisation bottles made from tough Pyrex® glass and leak proof PTFE faced screwcaps, are available.

Specification

Nominal capacity, L	20
Temperature range, °C	8 to 80
Temperature fluctuation at 37°C, °C	±0.5
Temperature variation, °C	±0.5
Over temperature cut-out	Yes
Temperature display	LED
Display resolution, °C	0.1
No. of rotisseries	1
Rotational speed, rpm	2 to 10
Shaker speed, oscillations/min	5 to 70
Internal dimensions (wx dxh), mm	250x230x200
Overall dimensions (wx dxh), mm	380x380x435
Net weight, kg	24
Electrical supply	230V, 50Hz, 350W

Cat. No.	Description
364-062	SI30H Hybridisation oven/shaker supplied with 1 SI20H/1rotisserie for 7x40mm dia. bottles

Incubator is supplied without hybridisation bottles; these should be ordered separately.

Accessories

Cat. No.	Description
364-065	SI20H/1 Spare rotisserie for 7x40mm diameter bottles
364-066	SI20H/2 Accessory rotisserie for 2x75mm diameter bottles
364-078	SI20H/7 Accessory rotisserie for 24x50ml tubes



Hybridisation Bottles for Stuart SI30H Hybridisation Incubator

Bottle hybridisation minimises probe volumes, reduces reagent volumes and enhances signal intensity.

Made from Pyrex® borosilicate glass Stuart hybridisation bottles are robust and can easily withstand the temperatures of the most rigorous hybridisation techniques. The thermoplastic polyester caps are very rigid and will not distort during repeated heating in the incubator which can lead to leakage. The seal is made by a PTFE faced insert that covers the entire inside of the cap making very good contact with the glass thread. Available in three sizes, each bottle comes complete with cap and a care leaflet.

Cat. No.	Bottle	Overall length mm	Outer dia. mm	Internal dia. mm	Wall thickness mm
364-063	SI20H/3	260	40	33.6	3.2
364-067	SI20H/4	260	75	68.6	3.2
364-064	SI20H/5	170	40	33.6	3.2