

Incubators

Hybridisation, incubator & shaker, SI30H

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

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.

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.

The SI30H is supplied with a rotisserie that accepts 7 x 40mm diameter bottles. It rotates at speeds variable between 2 and 10rpm inside the incubator. It also acts as a bottle stand when removed from the incubator. Accessory rotisseries are available to hold 2 x 75mm diameter glass bottles. 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 are available made from tough Pyrex® glass and leak proof PTFE faced screwcaps (see page opposite).



SI30H





SI30H

Technical specification

	SI30H
Nominal capacity	20 litres
Temperature range	Ambient + 8°C to 80°C
Temperature fluctuation (at 37°C)	±0.1°C
Temperature variation	±0.5°C
Display type	LED
Display resolution	0.1°C
Number of rotisseries	1
Rotational speed range	2 to 10rpm
Rocker speed range	5 to 70 oscillations / minute
Internal dimensions, mm (w x d x h)	286 x 230 x 200
Overall dimensions, mm (w x d x h)	380 x 380 x 435
Net weight, kg	24
Electrical supply	230V, 50Hz, 350W
IP Rating	30

Ordering information

Model	Description
SI30H	Hybridisation incubator / shaker supplied with 1 x rotisserie SI20H/1
SI20H/1	Spare rotisserie for 7 x 40mm diameter bottles (holds 6 plus 1 in the centre)
SI20H/2	Accessory rotisserie for 2 x 75mm diameter bottles



SI20H/3

SI20H/4 SI20H/5

Hybridisation bottles

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.

Technical specification and ordering information

Model	Overall length	O.D.	I.D.	Wall thickness
SI20H/3	260mm	40mm	33.6mm	3.2mm
SI20H/4	260mm	75mm	68.6mm	3.2mm
SI20H/5	170mm	40mm	33.6mm	3.2mm