

Hybridisation

Hybridisation chamber

The HC2 Hybridisation Chamber is a semi-disposable device specifically designed for performing Nucleic acid hybridisation on 25x75mm Micro-Array Glass Slides.

The chamber ensures that the slide is kept clean and that the small volume of hybridisation buffer normally under a coverslip does not dry out during incubation/hybridisation.

The chambers can be used in air incubators or waterbaths. Each chamber incorporates a dual humidity system to prevent evaporation of the hybridisation buffer. At either end of the chamber are recessed wells to accommodate a small volume of water or hybridisation buffer (approx. 600µl/well) to humidify the chamber atmosphere. An absorbent paper is supplied to rapidly humidify the chamber at high hybridisation temperatures. Manufactured in an inert polymer with similar chemical resistant properties to that of polypropylene; the chambers have been tested at hybridisation temperatures up to 65°C and can be autoclaved if required.

Instructions and Technical Notes are supplied with each HC2 Pack.

Cat. No.	Code	Description
HY/83002	RTP/7870	HC2 Hybridisation chamber, pack of 2
HY/83004	RTP/7875	Spare absorbent paper, pack of 50



HY/8300

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.

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.

Supplied with 1 x rotisserie SI20H/1 for 7 x 40mm diameter bottles (holds 6 plus 1 in the centre)



HY/15002

Technical specification	
Nominal capacity	20 litres
Temperature range	Ambient + 8°C to 80°C
Temperature fluctuation (at 37°C)	±0.5°C
Temperature variation	±0.5°C
Display type	LED
Display resolution	0.1°C
Rotational speed range	2 to 10rpm
Rocker speed range	5 to 70 oscillations / minute
Internal dimensions (w x d x h)	250 x 230 x 200mm
Overall dimensions (w x d x h)	380 x 380 x 435mm
Net weight	24kg
Electrical supply	230V, 50Hz, 350W

Cat No.	Model	Description
HY/15002	SI30H	Hybridisation incubator
HY/15004	SI20H/2	Accessory rotisserie for 2 x 75mm diameter bottles
HY/15008		Spare rotisserie for 7 x 40mm bottles