

HB-2D Hybridisation incubator / Techne (Cambridge) Limited.

Contributors

Techne (Cambridge) Limited.

Publication/Creation

Duxford : Techne, [1993]

Persistent URL

<https://wellcomecollection.org/works/x5hen4r6>

License and attribution

Conditions of use: it is possible this item is protected by copyright and/or related rights. You are free to use this item in any way that is permitted by the copyright and related rights legislation that applies to your use. For other uses you need to obtain permission from the rights-holder(s).



Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
<https://wellcomecollection.org>

HB-2D Hybridisation Incubator



Designed for the user who has a small number of blots to process, the HB-2D Hybridisation Incubator offers unequalled temperature stability and uniformity for reproducible results in a unit that is compact enough to be used on the bench or, with the optional stand, in an angled position either bench or wall mounted.

Designed and manufactured under BS 5750 and IEC 1010 the HB-2D Hybridiser complements the successful HB-1D used where multiple blots are required to be processed.

The hybridisation tube supplied with the HB-2D is manufactured from a heavy walled borosilicate glass with "O" ring sealed end caps and, for convenience buffer and wash solutions can be added or removed from the vessel without the need to remove the end cap.

Mounted in a polished stainless steel container which is seam welded to contain any solution in the event of spillage, the vessel is

rotated at a constant speed ensuring total wetting of the hybridisation membranes.

Using the standard vessel (length 240mm x 80mm dia.) supplied with the HB-2D at least 5 membranes can be processed at one time.

Temperature control of the fan assisted incubator is within $\pm 0.2^{\circ}\text{C}$ which is clearly displayed on the front panel, the same display is also used to set the required operating temperature within the range of ambient $+5^{\circ}\text{C}$ to 100°C .

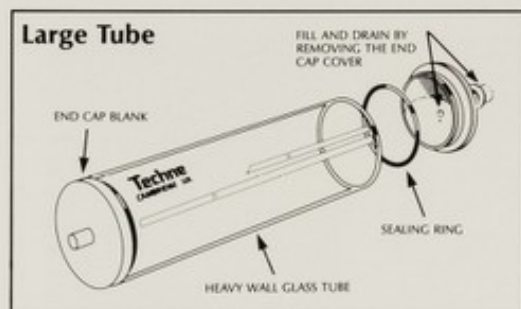
In addition to the standard hybridisation vessel the unit will also accept the following:

- i) One only hybridisation vessel
length 240mm diameter 44mm
- ii) Three hybridisation vessels
length 220mm diameter 44mm
- iii) Four hybridisation vessels
length 205mm diameter 32mm

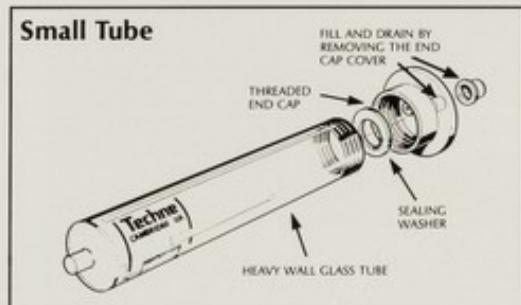
Techne
C A M B R I D G E

Hybridisation Incubator Tubes/Accessories

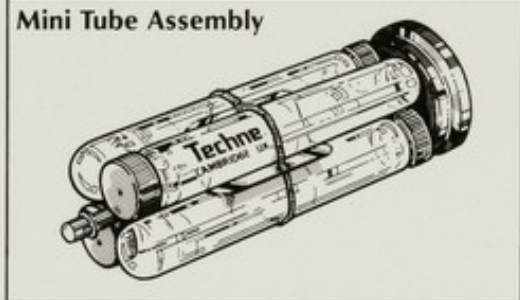
Large Tube



Small Tube



Mini Tube Assembly



Hybridisation Tube Racks



Each rack will accommodate up to three tubes and their fittings.
Rack A for large tubes Rack B for small tubes

Specification

Temperature range	ambient +5°C to 100°C (Note: minimum temperature must be greater than 5°C above ambient)	
Temperature display	LED	
Control precision	±0.2°C	
Temperature uniformity	better than ±1°C	
Warm up time within tubes (20°C to 100°C)	50 mins	
Heater Power	120W	
Rotation of hybridisation tubes	10-12 rpm dependent on supply frequency	
Maximum number of Hybridisation tubes	1 large, 4 mini, 1 small or 3 small-plus	
External dimensions	On Bench	On Stand
width	340mm	340mm
depth	245mm	230mm
height	165mm	380mm
Internal Dimensions		
width	108mm	
depth	180mm	
height	110mm	
Net weight	5Kg	

Hybridisation Tubes

Borosilicate glass tubes with sealing end caps
FHB16 large glass tube and end caps length 240mm diameter 80mm*
FHB36 small glass tube and end cap length 240mm diameter 44mm
FHB41 mini tube (pack of 4) length 205mm diameter 32mm**
FHB71 small-plus tube length 220mm diameter 44mm***

* large tubes are fitted with 70°C seals, seals part number 6101488 are required to work to 100°C.

** For mini tubes a multi-tube holder, part number FHB61 is required.

***For small-plus tubes 3 required per unit, plus part number FHB70 tube holder.

Ordering Information

Model Number	Cat. No.	Voltage	Hz	Watts
HB-2D	FHB2DY	100	50/60	120
	FHB2DP	110/120	50/60	120
	FHB2DD	220/240	50/60	120
Stand for HB-2D	FHB2DS			
Hybridisation tubes				
	FHB16	Large glass tube and end caps		
	FHB36	Small glass tube and end cap		
	FHB61	Tube holder for mini tubes		
	FHB41	Mini tubes (pack 4)		
	FHB71	Small-plus tube		
	FHB72	Three tube assembly for small-plus tubes complete with three tubes		
	FHB70	Tube holder for small-plus tubes		
Tube rack A		Accommodates up to 3 large tubes and fittings		
Tube rack B		Accommodates up to 3 small tubes and fittings		
Separation membranes		Pack of 5 size 20cm x 20cm		

Technique
CAMBRIDGE

TECHNE (CAMBRIDGE) LIMITED, DUXFORD, CAMBRIDGE, ENGLAND, CB2 4PZ
TEL: (0223) 832401 TELEX: 817257 FAX: (0223) 836838

03/392