

Techne Laboratory Oven



Stock No	OS1246
Manufacturer	Techne
Model	HB-1
Serial	14478-1
Condition	Good Condition
Internal Size (WxDxH mm)	260 x 180 x 335mm
Max Temp	100°C
Other Info	Hybridiser rotating oven
Location	Our Central Warehouse, Aldridge, UK
Weight (kgs)	22kgs
External Dimensions (WxDxH mm)	385 x 300 x 565mm

Description

HB-1D

- The famous Hybridiser HB-1D is compact, easy to use and provides complete protection from hybridisation hazards
- A temperature range of 10°C above ambient to 100°C
- High capacity which can hold up to 24 mini tubes or 6 unique large tubes
- Hybridisations can be performed with a minimal volume of 5ml of probe
- Adjustable feet to enable accurate leveling

- Unique double-glazed glass door; quiet and safe, providing durable protection

Blotting techniques in which DNA, RNA or protein are immobilised onto nylon or nitrocellulose filters form a cornerstone of molecular biology. Detection of the desired sequence is usually performed using radioactive probes.

Given the expense and hazardous nature of the probes, probing should:

- a) be performed under safe conditions
- b) use minimal volumes (to improve signal and reduce expense)
- c) allow reuse of materials
- d) be simple to use

The Techne HB-1D meets all these requirements.

Up to five 25 x 25cm filters can be probed in one of the large hybridisation tubes.

Hybridisations can be performed in a minimal volume of 5ml, an 80% reduction over conventional systems, reducing expense and improving signal. The operator is protected from irradiation throughout and the apparatus is extremely simple to use.

However, the chemical manufacturer's safety precautions must be used when using the HB-1D.

The Techne HB-1D also incorporates the following features:

- a) a temperature range of ambient +10°C to 100°C
- b) it holds 1, 2, 3 or 4 x 80 mm diameter hybridisation tubes.
- c) it will hold 3, 6, 9 or 12 x 44 mm diameter tubes if you use a three-tube carrier.
- d) it will hold 4, 8, 12 or 16 mini tubes if you use a four-tube carrier.
- e) the HB-1D comes with adjustable feet to enable accurate leveling.

(NOTE: minimum temperature must be greater than 10°C above ambient)

Rotation of Hybridisation Tubes 5 rpm to 20rpm and off 4 steps, 5 positions and off Approx steps of 4 rpm

Adjustable rocking platform 5-20 or 15-60 rpm

Temperature stability in chamber better than 1.0°C

Stability in the tubes better than +0.1°C

Temperature uniformity in the chamber * better than +1.5°C

Temperature uniformity in the tubes * better than +1.0°C

Temperature set point resolution 0.1°C

Absolute accuracy better than +0.3°C

Warm Up Time Within Tube (16° to 100°C) 50 mins

Heater Power 750 W 240 V 1ph (4Amp)

Temperature selection Digital

Temperature Display LED

Temperature Sensor PRT

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Machine Datasheet



External Dimensions

W 385mm x D 285mm x H 555mm

Internal Dimensions

W 260mm x D 210mm x H 330mm

Weight Net 20Kg

Tubes available separately from Techne

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.



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