

# Cole-Parmer®

## Cole-Parmer® HB-3D and HB-1D incubators

- Accurate and precise incubators; temperature stability of  $\pm 0.1^{\circ}\text{C}$  within tubes
- Rotisserie shaker with adjustable rotational speed from 0 to 20 rpm
- Platform shaker with rocking speed up to 60 oscillation/minute
- Functional design with unique “slot-in” sample tubes
- Radioactive safe - protective casing and non-drip tubes
- Usability and recovery of low volumes of probes ( $\geq 5\text{ml}$ )
- Tubes and accessories can be assimilated for multiple uses
- Removable drip-tray for easy cleaning
- Adjustable feet for levelling on uneven surfaces





## Cole-Parmer® HB-3D and HB-1D incubators

The Cole-Parmer® HB-3D and HB-1D incubators are ideal for nucleic acid hybridisation applications such as Northern, Southern, and Western blots in which RNA, DNA or protein are immobilised onto nylon or nitrocellulose filters.

### HB-3D

The HB-1D incubator is compact, easy to use, and provides complete protection from hybridisation hazards. The high-capacity unit can hold up to 24 mini tubes or 6 large ones, with temperature ranging between 10°C above ambient to 100°C. The double-glazed glass door provides durable protection, quiet and safe operation, minimising risk to the user.

### HB-1D

The HB-3D incubator is a compact, stackable alternative to the HB-1D. With a temperature range of 10°C above ambient to 80°C, the incubator offers excellent temperature accuracy and uniformity at an affordable price. Three ovens can be stacked to save valuable bench space and each unit can hold up to 16 mini or 4 large glass tubes.

### Technical Specification

Specification	HB-3D	HB-1D
Maximum glass tube capacity	16 mini tubes	24 mini tubes
Maximum temperature	80°C	100°C
Minimum temperature	10°C above ambient	10°C above ambient
Adjustable rotation speed	0, 5 to 20 rpm	0, 5 to 20 rpm
Adjustable rocking platform	5-20 or 15-60 opm	5-20 or 15-60 opm
Stability in chamber	1.0°C	1.0°C
Stability in tubes	±0.1°C	±0.1°C
Uniformity in chamber	±1.5°C	±1.5°C
Uniformity in tube	±0.5°C	±0.5°C
Temperature set point resolution	0.1°C	0.1°C
Absolute accuracy	±0.3°C	±0.3°C
Dimensions L x W x H (mm)	355 x 383 x 432	285 x 385 x 555
Voltage	230V, 50-60Hz	230V, 50-60Hz
Power	750W	750W
Shipping Weight	21kg	24kg

### Ordering Information

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
HB-1D hybridisation incubator, 230V	39455-02	HI-200	HI-200D-HC	FHB1DE
HB-1D hybridisation incubator, 230V (including 3 large tubes FHB12)	39455-03	HI-200	HI-200D-HC-T	FHB1DG
HB-1D hybridisation incubator, 120V (including 3 large tubes FHB12)	39455-01	HI-200	HI-200D-HC-T-120	FHB1DB
HB-3D hybridisation incubator, 230V	39455-04	HI-200	HI-200	FHB4DD
HB-3D hybridisation incubator, 230V	39455-06	HI-200	HI-200-T	FHB4DDT
HB-3D hybridisation incubator, 120V	39455-07	HI-200	HI-200-120	FHB4DP
HB-3D hybridisation incubator, 120V (including 4 large tubes FHB16)	39455-08	HI-200	HI-200-T-120	FHB4DPT

# Cole-Parmer®

## HB-3D and HB-1D incubators accessories

### Ordering Information

Description	Ordering Number	HB-3D	Ordering Number	HB-1D
Tube carrier with clips to hold 16 x 15ml tubes	39455-29	F15ML4TH	39455-28	F15ML1TH
Tube carrier with clips to hold 8 x 50ml tubes	39455-31	F50ML4TH	39455-34	F50ML1TH
*Tube carrier with clips to hold 4 x mini 32mm tubes	39455-24	FHB61	39455-24	FHB43
Rocking platform 0-60opm	39455-16	FHB4PLAT	39455-09	FHB1PLAT
Stainless steel mesh shelf	39455-22	FHB4SH1	39455-26	FHB1SH1
Large (80mm) glass tube with end caps	39455-13	FHB16	39455-11	FHB12
Small (44mm) glass tube with screw caps	39455-15	FHB36	39455-14	FHB32
**Mini (32mm) glass tubes with screw caps (pack of 4)	39455-17	FHB41	39455-17	FHB41
Mini tube holder	39455-24	FHB61	39455-18	FHB43

\*FHB41 glass tubes require this mini tube carrier.

\*\*Requires mini tube holder.



### Ordering Information

Description	Ordering Number	Legacy Sku.
Membrane separators 20 x 20cm (pack of 5)	39455-32	FMEM2020
HTH-1 tube rack holder	39455-27	FHTRACK
HB-3D incubator wall fixing kit	39455-23	FHB4WALL
Complete kit for stacking 3 HB-3D units	39455-19	FHB4DKIT
HB-3D incubator stacking kit (secures two units)	39455-21	FHB4DSTK





# WolfLabs

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.