

Hybex[®] Microsample Incubator

Precision Microtube Block and Waterbath Heating System



Controls Heating of Tubes/PCR Plates to $\pm 0.2^{\circ}\text{C}$

The Hybex[®] Microsample Incubator is a unique tube/plate heating system that combines a high performance block heater with a heated lid to give unsurpassed temperature regulation of samples while minimizing cap condensation. Just insert the block for your tube/plate type, close the lid and set the desired temperature up to 99°C . Within a few minutes the system reaches and maintains the set temperature to within 0.2°C . The Hybex Incubator is a cost effective substitute for a thermal cycler when performing everyday isothermal enzyme incubations.

Use with Commonly Used Tubes and PCR Plates

Choose from three removable, interchangeable blocks for:

- (1) 96 x 0.2 ml PCR capped tubes or a single PCR plate (with or without skirt)
- (2) 60 x 0.6 ml tubes
- (3) 32 x 1.5 ml tubes



Blocks are available for 0.6 ml and 1.5 ml capped tubes and PCR plates and tubes.

Wash Microarrays Using a Waterbath Insert

A unique capability of the Hybex Incubator is the precise heating of buffers using a durable, waterproof insert. The system is a superior alternative to glass dishes and stir plates for performing elevated temperature washing of microarrays.



Heat buffer in a waterbath insert for washing arrays.



Incubate up to 16 arrays in removable slide racks.

Hybridize Microarrays in Humidified Chambers

The Hybex heating unit accommodates two specially designed chambers that each hold two, 4x slide racks. After incubating the slides, the racks clip together using a detachable handle for post-hybridization washing.

Hybex® Microsample Incubator

Simple Calibration for Accurate Temperatures

The Hybex Microsample Incubator has a built-in system that simplifies temperature calibration. Just plug the optional NIST-certified digital thermometer into the back of the unit and adjust the digital read-out on the controller. Perfect for CLIA regulated laboratories that require regularly scheduled instrument calibration.



Calibration with a digital thermometer ensures accurate temperatures.

Small and Portable—Ideal for Cramped Laboratories

The remarkably flexible Hybex heating unit (use it as a tube/plate heater, waterbath or microarray incubator) is provided in a package the size of a shoe box, weighing about five pounds. With benchspace at a premium, the Hybex unit takes up little room and can be easily moved from place to place for sharing or for storage between uses.



The Hybex heating base is light, compact and easily transportable.

Specifications

Electrical

Cat.# 1057-30-0 115V AC, 50/60 Hz; 250W
Cat.# 1057-30-2 230V AC, 50/60 Hz; 250W

Dimensions (HxWxD)

Outside (cover closed) 8 x 6 x 12 in
(20 x 14 x 30 cm)

Weight

Heating Unit (Net) 5.2 lbs (2.4 kg)
Tube Blocks 4.1 to 6.0 lbs (1.9 to 2.7 kg)

Performance and Controls

Temperature Range Ambient +5°C to 99°C
Temperature Regulation $\pm 0.2^\circ\text{C}$ from set point
Heat up Time > 5°C per minute
Temperature Controller Digital PID, single loop
Temperature Display Toggles Actual or Set temperature
Thermometer Output Thermocouple, T-type

Ordering Information

Catalog No.	Description	UoM
1057-30-0	Hybex® Microsample Incubator, base, 115V	EA
1057-30-2	Hybex® Microsample Incubator, base, 230V	EA
1057-31-0	PCR tube block, holds 96 x 0.2 ml PCR tubes or single plate	EA
1057-33-0	0.6 ml tube heat block, holds 60 tubes	EA
1057-34-0	1.5 ml tube heat block, holds 32 tubes	EA
1057-35-0	Waterbath insert, 625 ml	EA
1057-38-0	Hybex Microarray Chamber Kit <i>Includes 2 chambers, 4 racks and tools.</i>	EA
1051-52-0	Digital thermometer <i>Includes cable and NIST certificate.</i>	EA