

Hybridization ovens are rapidly replacing hybridization bags and water baths for procedures involved in Southern, Northern and in situ hybridization. UVP's hybridization ovens provide accurate temperature and rotation speed controls plus variable bottle sizes and offset bottle positioning.

Precision heated and multifunctional hybridization ovens

The dynamic mixing capability is ideal for creating the optimum conditions needed for cDNA library screenings, primer synthesis and nucleic acid hybridization. The interior stainless steel construction is easy to clean. The range of models is designed to meet user or laboratory budgets.

## HB-1000 Hybridizer

**HB-1000 Hybridizer** features fast heat-up capability. Units are stackable for maximizing laboratory workspace.



HB-1000 Hybridizer Hybridization Oven can be stacked to make the best use of laboratory space.

- Variable speed control (10 to 15 rpm) enables consistent saturation of samples for washing or hybridizing
- Large LED displays current temperature inside the chamber
- Rotary wheel can be removed and replaced with interchangeable rocker plate
- Protective tray is removable to allow easy cleanup of spilled media
- RPM knob is adjusts speed control of the rotary wheel for removal of samples
- Rotary wheel can hold twenty 35 x 150mm, ten 35 x 300mm bottles or combination
- Multiple bottle sizes, arrangements and off-set bottle positions

## HL-2000 HybriLinker

**HL-2000 HybriLinker** Hybridization oven and UV crosslinker in one unit. The oven has the same features as the HB-1000.



HL-2000  
Dimensions:  
17.5W x 24H  
x 15D in.  
(445 x 610 x  
381mm)

HL-1000 Dimensions:  
17.5W x 16H x 15D in. (445 x 406 x 381mm)

### Ordering Information

|   |   |
|---|---|
| <b>HB-1000 Hybridizer</b>                   | 95-0030-01 (115V)<br>95-0030-02 (230V)                  |
| Temperature Range:                          | Ambient to 99.9°C                                       |
| Heating Element:                            | 1250 Watts  |
| Variable Speed:                             | 10 to 15 rpm  |
| Bottle Capacity:                            | Twenty 35 x 150mm<br>Ten 35 x 300mm<br>Four 70 x 300mm* |
| <b>HL-2000 HybriLinker</b>                  | 95-0031-01 (115V)<br>95-0031-02 (230V)                  |
| <b>Upper Chamber Oven:</b>                  |   |
| Temperature Range:                          | Ambient to 99.9°C                                       |
| Heating Element:                            | 1250 Watts  |
| Variable Speed:                             | 10 to 15 rpm  |
| Bottle Capacity:                            | Twenty 35 x 150mm<br>Ten 35 x 300mm<br>Four 70 x 300mm* |
| <b>Lower Chamber Crosslinker:</b>           |   |
| UV Light Source:                            | 254nm UV  |
| Rocker Tray (for HL-2000, HB-1000, HM-4000) | 98-0067-01  |

\* Requires oversize bottle carousel kit. See p. 15 for part number.

The **HL-2000** HybriLinker™ Hybridization Oven combines a Hybridization oven *and* UV Crosslinker (254nm UV) in one unit. Hybridization Oven and Crosslinker operate independently.

Upper chamber features:

- Variable speed control
- Large LED display
- Stainless steel internal construction

Lower chamber (crosslinker) features:

- Shortwave 254nm, 8 watt, ultraviolet tubes

For accessories information, see p. 15

- Preset and manual controls for ultraviolet or time exposures
- Microprocessor measures and controls UV output, ensuring maximum energy efficiency
- Large LED display continuously displays time or energy settings
- Window on the door allows viewing of the process yet blocks UV radiation

hi-tech lamps

800-229-6509  
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## HM-4000 Multidizer

HM-4000 Multidizer Hybridization Oven is designed with two chambers offering a several motion functions: shaking, orbital rocking and rotating all in one unit.

- Two chambers operate independently and allow hybridization and blotting procedures requiring different containers, settings, motions or temperature controls
- Variable speed control in lower chamber (10 to 15 rpm) are the same as the HB-1000 and enable consistent saturation of samples
- Multiple bottle sizes, arrangements and off-set bottle positions

Upper chamber:

- Uses a roller action to operate the shaker tray (included) or optional orbital tray
- Shaker tray operates at 54 - 106 cycles/min.
- Carousel (acrylic) rotates at 10 - 20 rpm
- Orbital tray motion ranges from 1 - 30 rpm at 0°, 0.5°, or 1.0°



**HM-4000 Multidizer** Two compartments operate independently and offer a variety of motion functions - shake, rock, roll and rotate!

Dimensions:  
17.5W x 28.5H x 15D in. (445 x 725 x 381mm)

### Ordering Information

|                           |  |
|---------------------------|--|
| <b>HM-4000 Hybridizer</b> | 95-0340-01 (115V)<br>95-0340-02 (230V) |
|---------------------------|--|

### Upper Chamber

|                         |                      |
|-------------------------|----------------------|
| Temperature Range       | Ambient to 80°C      |
| Heating Element         | 500 Watts            |
| Shaker Tray Speed       | 54 - 106 cycles/min. |
| Orbital Tray, motorized | 1 - 30 rpm           |
| Carousel                | 12 - 20 rpm          |

### Lower Chamber

|                   |  |
|-------------------|--|
| Temperature Range | Ambient to 99.9°C  |
| Heating Element   | 1250 Watts   |
| Variable Speed    | 10 - 15 rpm  |
| Bottle Capacity   | Twenty 35 x 150 mm<br>Ten 35 x 300 mm<br>Four 70 x 300 mm* |

### Hybridization Oven Accessories

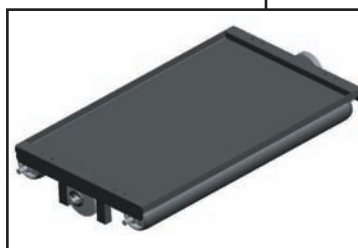
|  |            |
|--|------------|
| Bottle, small, 35 x 150mm                                  | 07-0194-01 |
| Bottle, large, 35 x 300mm                                  | 07-0194-02 |
| Rocker Tray (HM-4000 HL-2000 HB-1000)                      | 98-0067-03 |
| Rocker Tray (HM-4000 HL-2000 prior to October 2003)        | 76-0053-01 |
| Dim.: 12.5W x 10D in. (318 x 254mm)                        |            |
| Orbital Tray (HM-4000)                                     | 98-0067-04 |
| Reciprocating Shaker Tray (HM-4000)                        | 98-0067-02 |
| 10W x 6D in. (254 x 152mm)                                 |            |
| Carousel, Acrylic (HM-4000 HC-3000)                        | 76-0089-01 |
| Carousel for 10 x 50ml conicals (HB-1000, HL-2000 HM-4000) | 76-0075-01 |
| Carousel Kit for 70 x 300mm bottles                        | 76-0066-01 |



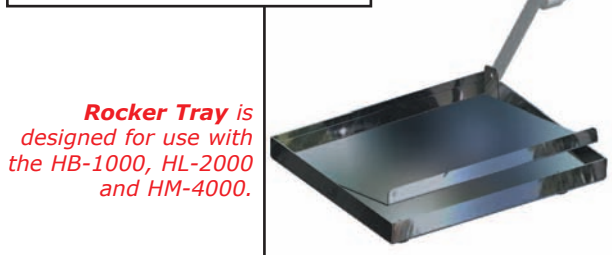
**Hybridization bottles** are made of lead-free borosilicate glass with polypropylene cap and teflon seal. Bottles have excellent long term reliability.



**Orbital Tray (HM-4000)** is motorized with an adjustable rotation speed from 1 - 30 rpm.



**Reciprocating Shaker Tray** operates at 54 to 106 cycles/minute.



**Rocker Tray** is designed for use with the HB-1000, HL-2000 and HM-4000.

\* Requires oversize bottle carousel kit.

## HB-500 Minidizer



**HB-500 Minidizer**  
Compact and portable, this unit is designed for low throughput use.

Dimensions:  
9H x 13W x 8D in.  
(229 x 330 x 203mm)

The **HB-500** Minidizer™ is designed as a personal desktop unit ideal for use in laboratories with low use and space requirements.

- Rotation speed set at 12 rpm
- Temperature control from ambient to 80°C
- Chamber interior is stainless steel fabrication with a 3/8" thick β-blocking acrylic cover
- Cover swings open for easy access to the bottle carousel; the carousel pops out of chamber for easy insertion of bottles

### Ordering Information

|                         |  |
|-------------------------|--|
| <b>HB-500 Minidizer</b> | 95-0330-01 (115V)<br>95-0330-02 (230V)               |
| Temperature Range:      | Ambient to 80°C                                      |
| Heating Element:        | 500 Watts  |
| Variable Speed:         | 12 rpm   |
| Bottle Capacity:        | Four 35 x 150 mm or<br>Eight 50 ml or<br>Eight 15 ml |

## UV Sterilizing Incubator



**UV Incubator**  
Decontaminate the chamber between experiments with built-in short-wave ultraviolet.

Dimensions:  
Volume: 0.95 cubic ft. (26.9 litres)  
17.5W x 14.75D x 18H in. (445 x 375 x 457mm)

UV Sterilizing Incubator provides precise temperature control and uniformity throughout the chamber for incubation of biological assays, fungal, bacterial cultures, eggs and other biological samples.

## HC-3000 HybriCycler



**HC-3000 HybriCycler**  
Circular design creates optimal conditions for temperature uniformity and stability.

Dimensions:  
16.2H x 10.5W x 20D in.  
(411 x 267 x 508mm)

UVP's **HC-3000** HybriCycler™ Hybridization Oven is designed with a unique circular design creating optimal conditions for temperature uniformity and stability. The wrap-around 3/8" thick β-blocking acrylic chamber allows complete visibility of bottles without opening the door.

- Acrylic carousel rotates at 11 rpm
- Unique design allows spills to drip into a pull-out tray for easy cleaning
- The base and control panel housing are manufactured with scratch-resistant, powder-painted epoxy finish for easy cleaning

### Ordering Information

|                            |  |
|----------------------------|--|
| <b>HC-3000 HybriCycler</b> | 95-0329-01 (115V)<br>95-0329-02 (230V)                             |
| Temperature Range:         | Ambient to 80°C  |
| Heating Element:           | 500 Watts  |
| Variable Speed:            | 11 rpm   |
| Bottle Capacity:           | Four 35 x 300 mm or<br>Eight 35 x 150 mm or<br>Eight 50 ml conical |

- Incubation applications are achieved using minimal benchtop space
- Microprocessor controlled temperature
- Heating element and fan generate uniform temperature throughout the chamber
- Overhead shortwave 254nm ultraviolet for sterilization of the chamber between experiments
- View samples without opening the door
- Two ventilated shelves included
- Temperature: 68°C maximum  
Accuracy: +0.1°C  
Uniformity: +0.5°C at 37°C

### Ordering Information

|                                     |  |
|-------------------------------------|--|
| <b>SI-950 UV Benchtop Incubator</b> | 95-0358-01 (115V)<br>95-0358-02 (230V) |
| Replace. Tube, 8W, 254nm            | 34-0007-01                             |