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. 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.

### HYBRIDIZATION OVENS

#### HB-1000 Hybridizer

The HB-1000 Hybridizer Hybridization Oven provides uniform temperature and rotation controls for thorough mixing of materials.

**Features:**
- Variable speed control
- Large LED display
- Stainless steel internal construction

**Lower chamber (crosslinker - see additional details page 23):**
- Shortwave 254nm, 8-watt, ultraviolet tubes
- 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

**Ordering Information**

- **List Price:** 95-0031-01 (115V)
- **Ordering Code:** 95-0031-02 (230V)

**Dimensions:**
- Upper Chamber: 254nm UV
- Lower Chamber: 254nm UV

**Temperature Range:**
- Ambient 10°C to 99.9°C

**Heating Element:**
- Rotational 1250 Watts
- Rotary Wheel Variable Speed: 10 rpm
- Bottle Capacity: 35 x 150 mm

**C-65 Cabinet**

C-65 Chromato-Vue® UV Viewing Cabinets are designed for use with the 4-watt EL Series Lamps (see pages 4 - 5).

**Features:**
- The bottom panel of the cabinet is removable
- The lamp fits snugly on top of the cabinet
- A contrast control filter absorbs UV energy and protects the eyes
- Soft rubber viewport provides a comfortable viewing area
- Lightweight access curtain blocks external light from the cabinet interior

**Ordering Information**

- **C-10 Mini Cabinet**
  - 95-0072-01
- **C-10P Portable Rechargeable Lamps**
  - 95-0072-02
- **C-10E4 Mini Cabinet for 4-watt EL Lamps**
  - 95-0072-09
- **C-10E5 Mini Cabinet for 6-watt EL Lamps**
  - 95-0072-06 (115V)
  - 95-0072-07 (230V)
- **C-15G Mini Cabinet with UVGL-58 UV Lamp**
  - 95-0072-08 (115V)
  - 95-0072-09 (230V)

**Dimensions:**
- **C-10 Mini Cabinet:**
  - 19.75L x 16.5W x 15.75H in. (602 x 419 x 400mm)
- **C-10P Portable Rechargeable Lamps:**
  - 17L x 14W x 7H in. (432 x 356 x 178mm)
- **C-10E4 Mini Cabinet for 4-watt EL Lamps:**
  - 17L x 14W x 6H in. (432 x 356 x 152mm)
- **C-10E5 Mini Cabinet for 6-watt EL Lamps:**
  - 19.75L x 16.5W x 15.75H in. (533 x 330 x 400mm)

**C-65 UV Viewing Cabinets**

C-65 Chromato-Vue® UV Viewing Cabinets combines the C-10 Hybridizer with UVGL-58 UV lamp. Lamps include a universal plug, which connects directly to a plug into a line current or removed for handheld use. For additional hybridization oven accessories, refer to page 25.

**Ordering Information**

- **C-65 Mid-Sized UV Viewing Cabinet**
  - 95-0072-01 (115V)
  - 95-0072-02 (230V)

**C-65 Dimensions:**
- **Int:** 17L x 14W x 6H in. (432 x 356 x 152mm)
- **Ext:** 19.75L x 16.5W x 15.75H in. (533 x 330 x 400mm)

### MINI UV VIEWING CABINETS

**C-10E4 Mini Cabinet**

C-10E4 Mini UV Cabinet is designed to accommodate one or two EL Series 8-watt lamps. For additional lamps, see pages 4 - 5. Use of two lamps illuminates the cabinet’s interior uniformly from two sides of the cabinet.

**Features:**
- Includes an interior overhead white light
- Access curtain blocks ambient light

**Ordering Information**

- **C-10E4 Mini Cabinet**
  - 95-0072-01 (115V)
  - 95-0072-02 (230V)

**C-10E5 Mini Cabinet for 6-watt EL Lamps**

C-10E5 Mini Cabinet for 6-watt EL Lamps is designed to accommodate one or two EL Series 8-watt lamps. For additional lamps, see pages 4 - 5.

**Features:**
- Includes an interior overhead white light
- Access curtain blocks ambient light

**Ordering Information**

- **C-10E5 Mini Cabinet for 6-watt EL Lamps**
  - 95-0072-09 (115V)
  - 95-0072-07 (230V)

**C-15G Mini Cabinet with UVGL-58 UV Lamp**

C-15G Mini Cabinet with UVGL-58 UV Lamp is designed to accommodate one or two EL Series 8-watt lamps. For additional lamps, see pages 4 - 5.

**Features:**
- Includes an interior overhead white light
- Access curtain blocks ambient light

**Ordering Information**

- **C-15G Mini Cabinet with UVGL-58 UV Lamp**
  - 95-0072-08 (115V)
  - 95-0072-09 (230V)

**Multifunctional UV Cabinet**

C-65 Chromato-Vue® UV Viewing Cabinet combines the C-10 Hybridizer with UVGL-58 UV lamp. Lamps include a universal plug, which connects directly to a plug into a line current or removed for handheld use. For additional hybridization oven accessories, refer to page 25.

**Features:**
- The bottom panel of the cabinet is removable
- The lamp fits snugly on top of the cabinet
- A contrast control filter absorbs UV energy and protects the eyes
- Soft rubber viewport provides a comfortable viewing area
- Lightweight access curtain blocks external light from the cabinet interior

**Ordering Information**

- **C-65 Mid-Sized UV Viewing Cabinet**
  - 95-0072-01 (115V)
  - 95-0072-02 (230V)

**C-65 Dimensions:**
- **Int:** 17L x 14W x 6H in. (432 x 356 x 152mm)
- **Ext:** 19.75L x 16.5W x 15.75H in. (533 x 330 x 400mm)

**EL Series 8-watt lamps**

C-65 UV Viewing Cabinet can be used with the C-65 cabinet or removed for handheld use. Lamps are made with a durable, scratch-resistant metal housing and include a universal plug, which connects directly to a plug into a line current or removed for handheld use. For additional hybridization oven accessories, refer to page 25.

**Features:**
- The bottom panel of the cabinet is removable
- The lamp fits snugly on top of the cabinet
- A contrast control filter absorbs UV energy and protects the eyes
- Soft rubber viewport provides a comfortable viewing area
- Lightweight access curtain blocks external light from the cabinet interior

**Ordering Information**

- **C-65 Mid-Sized UV Viewing Cabinet**
  - 95-0072-01 (115V)
  - 95-0072-02 (230V)
C-75 Large UV Cabinet

C-75 Large UV Cabinet features shortwave and longwave plus interior white light.

Dimensions C-75:
- Interior: 17W x 14D x 9H in. (432 x 356 x 152mm)
- Exterior: 19.75W x 16.5D x 15.75H in. (502 x 419 x 400mm)
- Weight: 18 lb (8 kg)

- The C-70G Chromato-Vue Cabinet includes two each of 15-watt shortwave (254nm) and longwave UV
- The C-71 Wave and longwave UV tubes mounted inside of the C-70G Cabinet
- Control switches enable selection of the UV wave-lengths or the interior overhead white light
- Easy access to the cabinet interior is via the curtain which also blocks ambient light
- Longwave UV provides brilliant fluorescence for applications such as non-destructive testing and document verification
- Chromato-Vue cabinets include a soft rubber viewport and contrast filter

C-70 and C-71 Cabinets

The C-70 and C-71 Chromato-Vue UV viewing cabinets feature a removable bottom panel so the cabinet may be placed over large samples or a transilluminator. These cabinets are made of durable, lightweight plastic.

C-70 UV Cabinet includes two each of 15-watt shortwave and longwave UV tubes mounted inside of the cabinet; the C-71 has four 15-watt longwave tubes

C-70G Large Viewing Cabinet with 254/365nm UV

C-71 Large Viewing Cabinet with 365nm UV

Ordering Information

Replacement Parts

15-watt tube, 365nm 34-0009-02
15-watt tube, 254nm 34-0008-01

HM-4000 Multidizer

HM-4000 Multidizer Hybridization Oven is designed with two separate chambers offering 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, motions or temperature settings.

- Lower chamber:
  - Variable speed control in lower chamber (10 to 15 rpm) and other features are the same as the HB-1000
  - Multiple bottle sizes and off-set bottle positioning

- Upper chamber:
  - Uses a roller action to operate the shaker tray (included) or optional acrylic carousel or orbital tray
  - Shaker tray, for placement of flasks or other containers, operates at 54 - 106 cycles/min.
  - Carousel (acrylic) rests on the rollers and rotates at 10 - 20 rpm; carousel holds up to eight 35 x 150mm bottles or four 300mm bottles eight 50ml conicals
  - Orbital tray motion ranges from 1 to 30 rpm at 0°, 0.5°, or 1.0°

Ordering Information

HM-4000 Hybridizer

Hybridizer Oven Accessories

- Bottle, small, 35 x 150mm
- Bottle, large, 35 x 300mm
- Rocker Tray (HM-4000, HL-2000, HB-1000) 12.5W x 10.1D in. (318 x 254mm)
- Orbital Tray (HM-4000) 9W x 13.4D x 8.9H in. (239 x 330 x 203mm)
- Carousel, Acrylic (HM-4000) 96-0678-02
- Carousel, Metal for ten 50ml conicals (replaces the rotary wheel in the HB-1000, HL-2000, HM-4000) 96-0678-01
- Carousel Kit for 70 x 300mm bottles 96-0686-01

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

- Rotation speed set at 12 rpm
- Chamber interior is stainless steel fabrication with a 3/8” thick J-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

Ambient to 80°C
Heating Element: 1250 Watts
Shaker Tray Speed: 10 - 15 rpm
Twelve 35 x 150 mm Bottles

Lower Chamber
- Temperature Range: Ambient 10°C to 99.9°C
- Heating Element: 540 Watts
- Rotary Wheel Variable Speed
- Bottle Capacity: 20 - 27 rpm

Ambient to 80°C
Heating Element: 500 Watts
Shaker Tray Speed: 12 - 20 rpm

Upper Chamber
- Temperature Range: 10°C to 99.9°C
- Heating Element: 1250 Watts
- Rotary Wheel Variable Speed
- Bottle Capacity: 10 - 15 rpm

HM-500 Minidizer

Compact and portable, this unit is designed for low throughput use.

Ordering Information

HM-500 Minidizer

Ambient to 80°C
Heating Element: 500 Watts
Shaker Tray Speed: 12 rpm
Bottle Capacity: Four 35 x 150 mm or eight 50 ml or Eight 15 ml