

Hyb-Ice® Thermal Profiling System¹



Hyb-Ice unit with 0.2ml PCR block.

An affordable and flexible alternative to a standard thermal cycler for performing everyday temperature profiles and PCR cycling. System consists of a programmable Peltier heating/cooling base and quick-change block. Select inexpensive blocks for 0.2, 0.6, 1.5 and 2.0 ml tubes or 96 well PCR, flat-bottom and deep well plates. A microscope slide holder is also available. A non-contact heated lid regulates air temperature above the samples to control condensation.

For Research Use Only

- Heats / cools samples from 4 to 99°C
- Easily change tube/plate formats with inexpensive quick-change blocks
- Perform PCR in standard or large tubes
- Non-contact heated lid controls condensation
- Excellent temperature regulation, uniformity and ramp rates
- Simple calibration ensures accurate temps
- Store and run programs on USB drive

Use with Hyb-Ice Certified Labware

- Guaranteed fit and performance
- Caps remain sealed at high temperatures preventing sample loss



PRODUCT	CATALOG #
Hyb-Ice Thermal Profiling System, 115/230V. Includes base only.*	1060-00-1

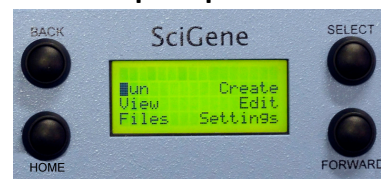
*A block is required for operation. Purchase separately.

TUBE AND PLATE BLOCKS	CATALOG #
0.2 ml tube block for Hyb-Ice. Holds 96 x 0.2 ml PCR tubes or plate.	1060-01-0
0.6 ml tube block for Hyb-Ice. Holds 24 x 0.6 ml tubes.	1060-02-0
1.5 ml tube block for Hyb-Ice. Holds 24 x 1.5 ml tubes.	1060-04-0
2.0 ml tube block for Hyb-Ice. Holds 24 x 2.0 ml tubes.	1060-05-0
Deep Well, 1.1 ml plate block for Hyb-Ice.	1060-06-0
Flat Bottom plate block for Hyb-Ice.	1060-07-0
Microscope slide block for Hyb-Ice. Holds 4 standard slides.	1060-08-0

LABWARE AND ACCESSORIES	CATALOG #
96 Well PCR Plate, skirted, 10/cs	2011-10-0
96 Well PCR Plate, skirted, 5x10/cs.	2011-11-0
96 Well PCR Plate, non-skirted, 10/cs.	2011-12-0
96 Well PCR Plate, non-skirted, 5x10/cs.	2011-13-0
PCR Plate Sealing Foil, 100/pk. Use below 80°C.	2011-20-0
PCR Plate Roller. For applying sealing foil (cat. #2011-20-0).	2011-21-0
8-Strip Flat Caps, 125 strips/pk.	2011-22-0
8-Strip 0.2ml PCR tubes, 125 strips/cs.	2011-30-0
0.2 ml PCR Tube, with attached flat cap, 2x500/cs.	2011-31-0
0.6 ml Microcentrifuge Tube, with locking cap, 2x500/cs.	2011-40-0
1.5 ml Microcentrifuge Tube, with locking cap, 500/cs.	2011-41-0
2.0 ml Microcentrifuge Tube, with locking cap, 500/cs.	2011-42-0
Deep Well Plate, 1.1 ml.	2011-50-0
Digital Thermometer with NIST certificate, handheld.	1051-52-0

SPECIFICATION	DESCRIPTION
Equipment Included	Hyb-Ice heating/cooling base.
Electrical Cat # 1060-00-1	115V AC, 50/60Hz, 3A 230V AC, 50/60Hz, 1.6A
Dimensions (HxWxD)	9.25 x 9 x 12.75 inches (24 x 23 x 32 cm)
Instrument Weight	15 lbs (7 kg) net
Performance	
Block Temp Range/Regulation	4.0°C to 99.0°C ± 0.2°C from set point
Air Temp Range/Regulation	37.0°C to 99.0°C ± 2.0°C from set point
Heating/Cooling Rate	0.25°C to 0.50°C per second
Well to Well Temp Uniformity	± 0.35 °C

Simple Operation



Create, store and run temperature profiles and cycling programs on-board or on a USB.

Flexible Configuration



Quick-change blocks available for a variety of tubes and plates.

Condensation Control



Convection-heated lid heats air above tubes/plates.