

# Ice-T™ Thermal Profiling System

Affordable Heating and Cooling System for Multiple Tube Formats



*The Ice-T Thermal Profiling System replaces expensive thermal cyclers for routine heating and cooling of samples.*

## Compatible with Multiple Tube/Plate Formats

Most thermal cyclers are designed only for use with 0.2 ml tubes making them unusable with other popular tube formats. The Ice-T™ Thermal Profiling System uses inexpensive, removable tube blocks that fasten to a high performance Peltier-based thermoelectric module. Simply remove the attachment screws and swap out blocks to change formats.

Three tube block styles are available:

- 96 x 0.2 ml PCR tubes or single plate
- 32 x 0.6 ml tubes
- 24 x 1.5 ml tubes

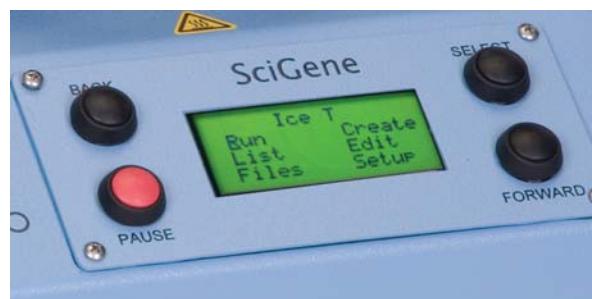


*Simply remove screws to change tube blocks.*



## Easily Create Heating and Cooling Profiles\*

The Ice-T Thermal Profiling System uses a programmable controller with a familiar push-button interface for creating thermal profiles. Easily create and store up to 40 different profiles containing various incubation times and temperatures from 4 to 95°C. Profiles can include up to 20 heating and/or cooling steps.



*Store up to 40 thermal profiles using a simple controller.*

## Replaces a Thermal Cycler for Non-PCR Work

Why tie-up an expensive thermal cycler to perform simple, single temperature incubations? A popular operation is to program the system to heat tubes to 37°C for a specified period and then drop and hold the temperature at 4°C. The system is ideal for performing low temperature reactions, denaturation profiles or extended overnight incubations.

# Ice-T™ Thermal Profiling System

Affordable Heating and Cooling System for Multiple Tube Formats

## Heated Lid Prevents Condensation

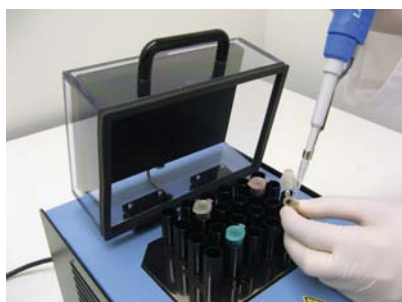
The Ice-T System is equipped with a heated lid that heats tube caps to prevent condensation of samples. This feature ensures the ionic composition of samples is maintained during incubation.



Heated lid prevents cap condensation.

## Use as an Electronic Ice Bucket

The Ice-T System eliminates messy ice buckets for keeping reagents cold when assembling reactions. Attach the desired tube block and set the unit to 4°C. The system reliably keeps reagents at ice temperatures for as long as needed.



Keep reagents cold while assembling reactions.

## Set Audible Alarms for Important Steps

The Ice-T System can be programmed to sound an audible alert when reaching a set temperature, a programmed pause or the end of a thermal profile.

## Validate Temperatures for GLP & CLIA Compliance

The accuracy of block temperatures is easily checked and adjusted using an optional NIST certified digital thermometer (Cat. #1051-52-0) that connects to the unit. The system simplifies routine validation of lab equipment required under GLP and CLIA guidelines.



Verify temperature with an optional digital thermometer.



Three blocks are available for 0.2, 0.6 or 1.5 ml tubes.

## Specifications

<b>Electrical</b>	115/230V AC; 50/60 Hz; 400 W
<b>Dimensions</b> (HxWxD)	Outside, cover closed 9x9x12.25 inches (23x23x31 cm)
<b>Weight</b>	
Net	12 lbs (5 kg), without block
Gross	15 lbs (7 kg), in shipping container
<b>Temperature</b>	
Range	4°C to 95°C
Regulation	±0.2°C from set point
Heating	>0.25°C/second
Cooling	>0.1°C/second (Using PCR tube block)

## Ordering Information

Catalog No.	Description	UoM
1060-00-1	Ice-T Thermal Profiling System, 115V.	EA
1060-00-2	Ice-T Thermal Profiling System, 230V.	EA
1060-01-0	PCR tube block, holds 96x0.2ml tubes or a single plate.	EA
1060-02-0	0.6 ml tube block, holds 32 tubes.	EA
1060-03-0	1.5 ml tube block, holds 24 tubes.	EA
1051-52-0	Digital thermometer for calibration. Includes cable and NIST certificate.	EA