

Corning® CoolSink® Modules and Accessories

CORNING

Corning CoolSink thermo-conductive plate and reservoir modules provide uniform temperature to all wells, regardless of position. When placed into a temperature source such as ice, dry ice, alcohol baths, water baths, or liquid nitrogen, the CoolSink module will rapidly adapt to that temperature (from -196°C to >100°C). CoolSink modules ensure temperature uniformity when cooling, snap freezing, heating, or thawing samples.



Increased Temperature Consistency

Non-uniform Plate Cooling with Crushed Ice

Final equilibrium well temperature for a 96-well flat bottom plate in direct contact with crushed ice. Colors represent 0.5°C temperature intervals of the corresponding plate wells from 4.5°C to 7.4°C.

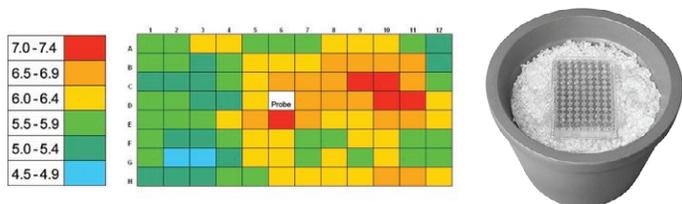


Plate directly on crushed ice, the plate does not reach 4°C in any of the wells and well-to-well temperature is uneven.

Uniform Plate Cooling with Corning CoolSink XT 96F Module

Corning CoolSink XT 96F on ice. Colors represent 0.5°C temperature intervals of the corresponding plate wells ranging from 2.5°C to 4.4°C. The white cell represents the well that was fitted with the thermocouple probe.

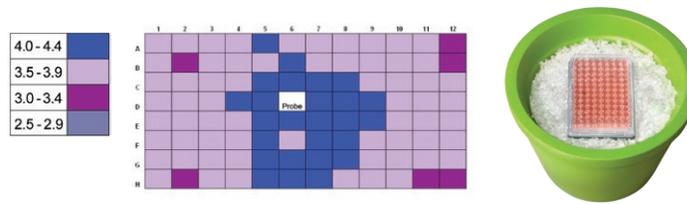


Plate placed on Corning CoolSink module and then placed on ice shows more uniform well-to-well temperature and all wells at or below 4°C. (Blue center plate wells are slightly warmer due to curvature of the underside of the plate).

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Ordering Information

Corning CoolSink Plate and Reservoir Modules

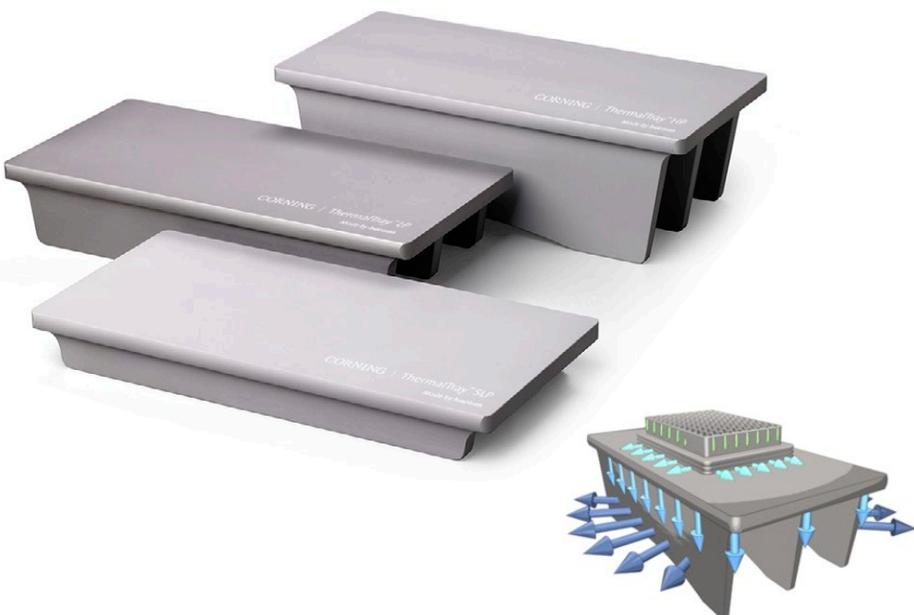
| | Cat. No. | Description | Dimensions (cm) | Qty/Cs |
|--|----------|-----------------|------------------|--------|
|  | 432070 | CoolSink XT 96F | 12.8 x 8.5 x 1.7 | 1 |
|  | 432071 | CoolSink XT 96U | 12.8 x 8.5 x 1.7 | 1 |
|  | 432072 | CoolSink LX55 | 14.6 x 6.4 x 3.5 | 1 |



Corning® ThermalTray™ Platform

Corning ThermalTray thermo-conductive platforms support Corning CoolRack® and Corning CoolSink® sample modules in liquid temperature sources such as melting ice, water baths, and liquid nitrogen. Made of the same highly conductive alloy as CoolRack and CoolSink modules, ThermalTray platforms conduct the source temperature to the CoolRack or CoolSink and, ultimately, to your samples.

The stable, sturdy design makes them ideal for processing temperature-sensitive samples in melted ice baths or liquid nitrogen. All modules may be autoclaved, high heat sterilized, or decontaminated with bleach, alcohol, or other disinfectants or lab detergents.

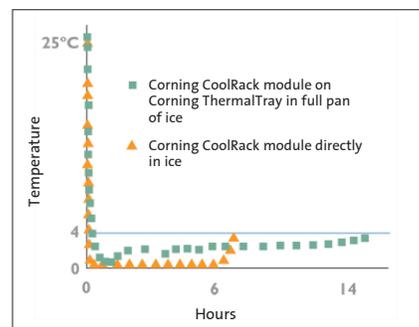


Thermo-conductive Modules Versatility and Performance



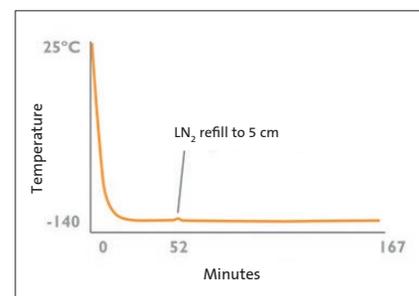
On Ice

- ▶ Adapts from ambient (25°C) to <4°C in 60 to 90 seconds*
- ▶ Samples and labels stay dry, organized
- ▶ Hours of ice cooling without direct ice contact
- ▶ Reproducible method



In Liquid Nitrogen (LN₂)

- ▶ Adapts from ambient (25°C) to approximately -150°C in approximately 12 to 14 minutes*
- ▶ Vapor barrier protects from ambient air
- ▶ Samples are upright and organized as they freeze
- ▶ No direct contact between samples and LN₂
- ▶ Reproducible method



Ordering Information

Corning ThermalTray Thermo-conductive Platforms

| | Cat. No. | Dimensions (cm) | Recommended Application | Qty/Cs |
|--|----------|--------------------|---|--------|
|  | 432073 | 28.0 x 14.0 x 3.2 | Slim low profile platform recommended for liquid nitrogen | 1 |
|  | 432074 | 28.0 x 14.0 x 5.1 | Low profile platform recommended for use in ice pan | 1 |
|  | 432075 | 35.0 x 22.5 x 11.4 | High profile platform recommended for water baths | 1 |

Corning® Ice Pans and Buckets

Ideal for use with ice, dry ice (-78°C), liquid nitrogen (-196°C), alcohol or saline solutions, or warm solutions (+93°C). Non-toxic, multi-purpose, recyclable ethyl-vinyl acetate (EVA) foam containers. Will not sweat, leak, or skid on bench. Available in five sizes and seven vibrant colors.



Ordering Information

Corning Ice Pans and Buckets

| | Size | Dimensions (L x W x H) (cm) | Color/Cat. No. | | | | | | |
|--|----------------------------------|------------------------------------|----------------|------------|--------|--------|--------|--------|--------|
| | | | Purple | Lime Green | Orange | Pink | Blue | Green | Red |
|  | Ice pan, mini, 1L | 15.9 x 15.9 x 9.5 | 432121 | 432119 | 432118 | 432120 | 432116 | 432115 | 432117 |
|  | Ice pan, midi, 4L | 31.1 x 22.2 x 11.4 | 432109 | 432107 | 432106 | 432108 | 432104 | 432103 | 432105 |
|  | Ice pan with lid, midi, 4L | 35.0 x 22.5 x 11.4 | 432114 | 432112 | 432111 | 432113 | 432110 | – | – |
|  | Ice pan, maxi, 9L | 40.6 x 31.8 x 11.4 | 432099 | 432097 | 432096 | 432098 | 432094 | 432093 | 432095 |
|  | Ice pan with lid, maxi, 9L | 44.5 x 32.5 x 11.4 | 432102 | 432101 | – | – | 432100 | – | – |
|  | Ice bucket with lid, round, 2.5L | Top Diameter: 24.1 Height: 12.1 | 432135 | 432133 | 432132 | 432134 | 432129 | 432130 | 432131 |
|  | Ice bucket with lid, round, 4L | Top Diameter: 26.0 Height: 18.4 | 432128 | 432126 | 432125 | 432127 | 432123 | 432122 | 432124 |

Corning Cryogenic Vial Grippers

Cryogenic vial grippers feature a unique design to grasp internal or external-thread cryogenic vials. Grippers enable easy sorting and moving of vials while maintaining sterility and protecting fingers from frozen vials, dry ice, and liquid nitrogen.



| Cat. No. | Description |
|----------|---|
| 432136 | Cryogenic vial grippers, multi-color (5/cs) |

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