

Consumables & Instruments

# Thermoconductive Sinks and Trays



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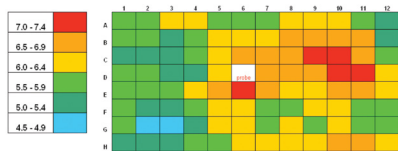


# Thermoconductive Sinks

**Thermoconductive plate and reservoir modules** provide uniform temperature to all wells, regardless of position. When placed onto a temperature source such as ice, dry ice, liquid nitrogen or water baths, the Thermoconductive Sink module will rapidly adapt to that temperature - from -196°C to >+100°C. Sink modules ensure temperature sample uniformity when cooling, snap freezing, heating or thawing samples. All Thermoconductive Sink modules may be autoclaved, high heat sterilized or decontaminated with bleach, alcohol or other disinfectants or lab detergents. All modules are compatible with all temperature sources.

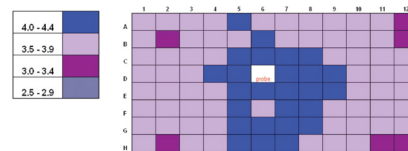
## Problem: Non-Uniform Plate Cooling with Crushed Ice

Final equilibrium well temperature for a 96-well flat bottom plate in direct contact with crushed ice.



## Solution: Uniform Plate Cooling with Thermoconductive Sink for use with Flat Bottom Plates Module

Final equilibrium well temperature for a 96-well flat bottom plate in direct contact with crushed ice.



## Plate and Reservoir Modules

### Thermoconductive Sink, SBS-Compatible Plate Modules



### Thermoconductive Sink for use with 55mL Reagent Reservoirs



## Ordering Information

<b>BCS-536</b>	Thermoconductive Sink, for use with 6-, 12-, 24-, 48-, 96-, 384-well flat bottom plates, SBS compatible, gray
<b>BCS-537</b>	Thermoconductive Sink, for use with one 96-well U-bottom plate, SBS compatible, gray

## Ordering Information

<b>BCS-184</b>	Thermoconductive Sink, for use with 55ml reagent reservoirs, gray
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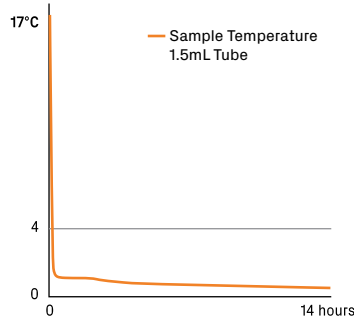


# Thermoconductive Trays

**Thermoconductive platforms** support Thermoconductive Tube Rack and Sink modules in liquid temperature sources such as melting ice, water baths and liquid nitrogen. Designed with a stable, sturdy design and made of the same highly conductive alloy as our Tube Rack and Sink modules. Thermoconductive Tray platforms are ideal for processing temperature-sensitive samples, as they conduct the source temperature to the rack and sink modules and, ultimately, to your samples. All platforms may be autoclaved, high heat sterilized or decontaminated with bleach, alcohol or other disinfectants or lab detergents.

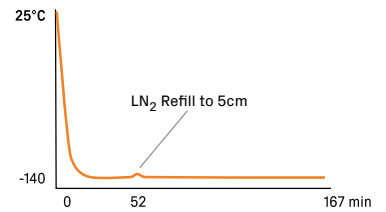
## In Ice

Keep samples <4°C for over 10 hours while ice melts



## In Liquid Nitrogen

Keep samples at -140°C with liquid nitrogen



## Thermoconductive Trays

Thermoconductive Tray platforms are compatible with all temperature sources. If using in liquid nitrogen, the Thermoconductive Tray Slim with Low-Profile is highly recommended. These low profile Tray platforms allow development of a vapor layer which will help insulate samples from ambient air.



## Ordering Information

<b>BCS-252</b>	Thermoconductive Tray, slim with low-profile, for use in 9L ice pan with LN2, gray
<b>BCS-123</b>	Thermoconductive Tray, with low-profile, for use in 9L ice pan with crushed ice, gray
<b>BCS-104</b>	Thermoconductive Tray, with high-profile, for use in water bath, gray

## With Heat Sources

- Use with water baths, hot plates, incubators and other heat sources to keep samples warm

\* Average cooling rate from room temperature



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