

Corning® CoolSink® Modules and Accessories

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.

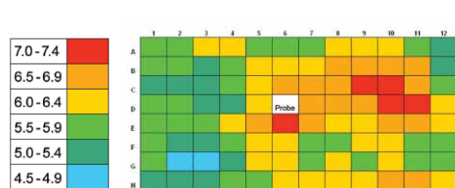


Plate directly on crushed ice, the plate does not reach 4°C in any of the wells and well-to-well temperature is uneven.

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.

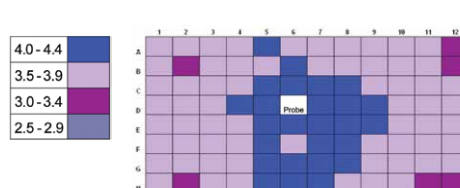





Plate placed on Corning CoolSink module and then placed on ice shows more uniform well-to-well temperature and all wells at or below 4°C. (Blue center plate wells are slightly warmer due to curvature of the underside of the plate).

Published in Biotechniques, November 2010.

Ordering Information

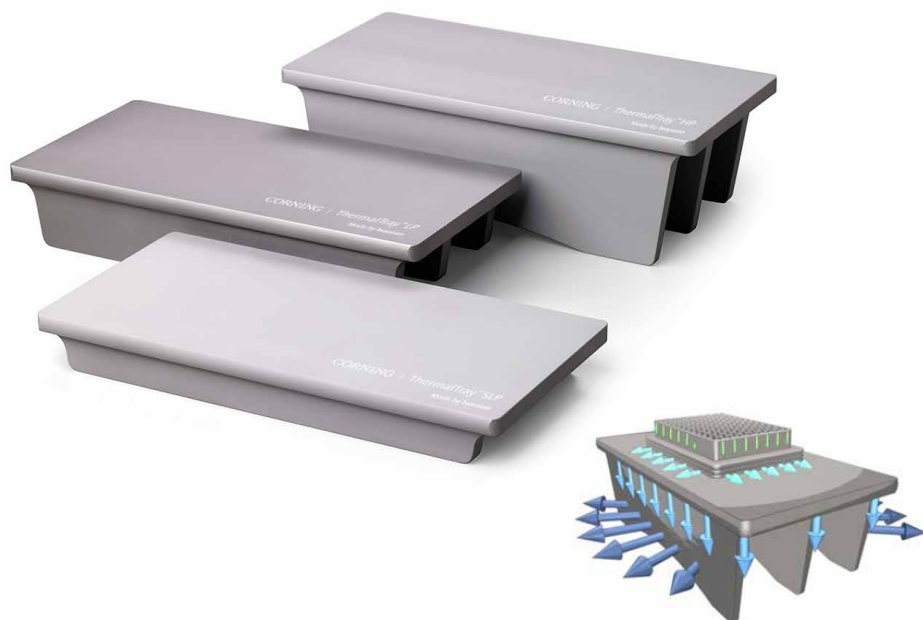
Corning CoolSink Plate and Reservoir Modules

	VWR Cat. No.	Corning Cat. No.	Description	Dimensions (cm)	Qty/Cs
	75779-766	432070	CoolSink XT 96F	12.8 x 8.5 x 1.7	1
	75779-768	432071	CoolSink XT 96U	12.8 x 8.5 x 1.7	1
	75779-770	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.

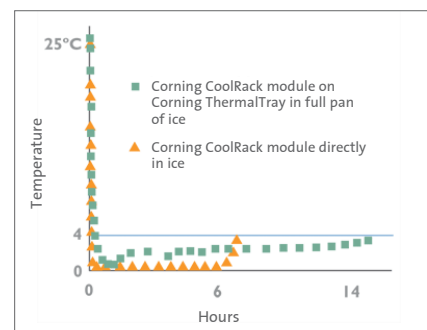
The stable, sturdy design makes them ideal for processing temperature-sensitive samples in melted ice baths or liquid nitrogen. All modules may be autoclaved, high heat sterilized, or decontaminated with bleach, alcohol, or other disinfectants or lab detergents.



Thermo-conductive Modules Versatility and Performance

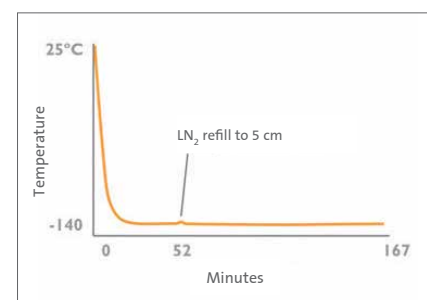
On Ice

- 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

	VWR Cat. No.	Corning Cat. No.	Dimensions (cm)	Recommended Application	Qty/Cs
	75779-772	432073	28.0 x 14.0 x 3.2	Slim low profile platform recommended for liquid nitrogen	1
	75779-774	432074	28.0 x 14.0 x 5.1	Low profile platform recommended for use in ice pan	1
	75779-776	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

			VWR Cat. No. Corning Cat. No.						
	Size	Dimensions (L x W x H) (cm)	Purple	Lime Green	Orange	Pink	Blue	Green	Red
	Ice pan, mini, 1L	15.9 x 15.9 x 9.5	75779-960 432121	75779-956 432119	75779-954 432118	75779-958 432120	75779-950 432116	75779-948 432115	75779-952 432117
	Ice pan, midi, 4L	31.1 x 22.2 x 11.4	75779-932 432109	75779-928 432107	75779-926 432106	75779-930 432108	75779-922 432104	75779-920 432103	75779-924 432105
	Ice pan with lid, midi, 4L	35.0 x 22.5 x 11.4	75779-946 432114	75779-938 432112	75779-936 432111	75779-940 432113	75779-934 432110	— —	— —
	Ice pan, maxi, 9L	40.6 x 31.8 x 11.4	75779-912 432099	75779-908 432097	75779-906 432096	75779-910 432098	75779-902 432094	75779-804 432093	75779-904 432095
	Ice pan with lid, maxi, 9L	44.5 x 32.5 x 11.4	75779-918 432102	75779-916 432101	— —	— —	75779-914 432100	— —	— —
	Ice bucket with lid round, 2.5L	Top Diameter: 24.1 Height: 12.1	75779-988 432135	75779-984 432133	75779-982 432132	75779-986 432134	75779-976 432129	75779-978 432130	75779-980 432131
	Ice bucket with lid, round, 4L	Top Diameter: 26.0 Height: 18.4	75779-974 432128	75779-970 432126	75779-968 432125	75779-972 432127	75779-964 432123	75779-962 432122	75779-966 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.



VWR Cat. No.	Corning Cat. No.	Description
75779-848	432136	Cryogenic vial grippers, multi-color (5/cs)

Warranty/Disclaimer: Unless otherwise specified, all products are for research use only. Not intended for use in diagnostic or therapeutic procedures. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications.

CORNING

For additional product or technical information, visit vwr.com/corning, call 1.800.932.5000, or contact your VWR representative.



800 932 5000 | VWR.COM

Prices, product, and/or services details are current when published and subject to change without notice. | Certain products or services may be limited by federal, state, provincial, or local regulations. | VWR, part of Avantor, makes no claims or warranties concerning sustainable/green products. Any claims concerning sustainable/green products are the sole claims of the manufacturer and not those of VWR International, LLC and/or Avantor, Inc. or affiliates. All prices are in US dollars unless otherwise noted. Offers valid in US and Canada, void where prohibited by law or company policy, while supplies last. | Trademarks are owned by Avantor, Inc. or its affiliates, unless otherwise noted. | Visit vwr.com to view our privacy policy, trademark owners, and additional disclaimers. © 2020 Avantor, Inc. All rights reserved.