

# More Than a Bucket of Ice: Keeping it Cool and Stable in the Lab

## Survival of the Coolest

Cooling in the lab requires more than a bucket of ice. Thermo-conductive containers, plates, and plate holders quickly bring samples to the desired temperature. Sterilizable options and going ice-free can reduce the risk of contamination.

### Corning® CoolCell® Containers



Corning CoolCell containers provide consistent, alcohol-free conditions for cell cryopreservation, reliable viability post-thaw.

- Rapidly equilibrates in a  $-80^{\circ}\text{C}$  freezer.
- Insulative outer material ensures uniform heat transfer, so cryogenic vials freeze down at  $-1^{\circ}\text{C}/\text{minute}$ .
- Engineered structure ensures consistent conditions for all vials.
- Alcohol-free format delivers reproducible freeze cycles.



### Corning CoolBox™ Systems



Corning CoolBox systems are benchtop cooling systems that provide sample cooling or freezing without ice, electricity, or batteries.

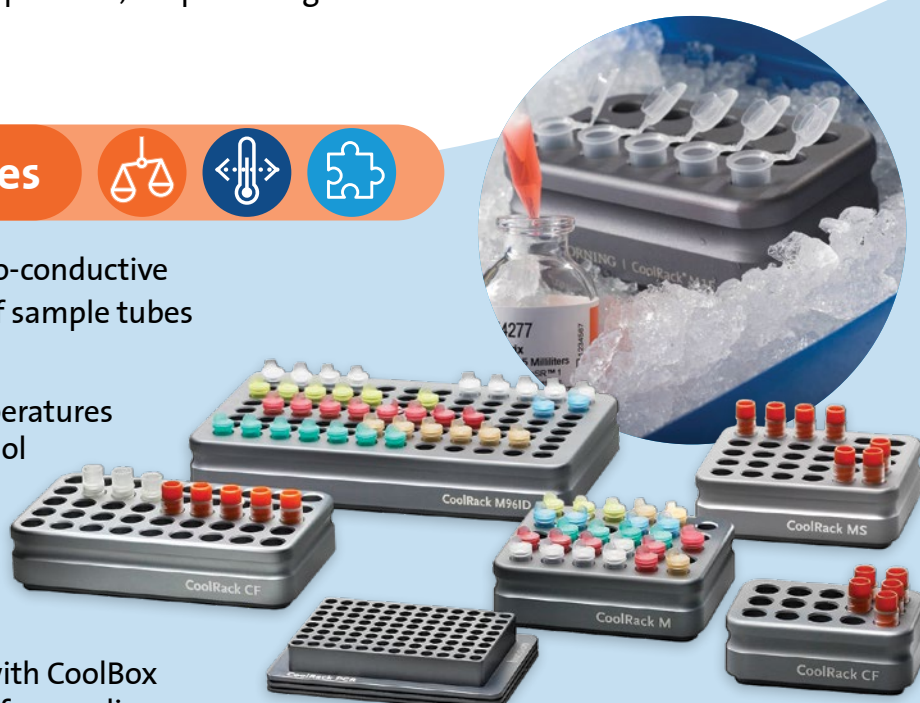
- Holds temperatures between  $0.5^{\circ}\text{C}$  and  $4^{\circ}\text{C}$  for 10 hours, or for 16 hours with the lid closed.
- Compatible with Corning CoolRack® and CoolSink® sample modules.
- Can be used with dry ice for a compact, portable, snap-freezing workstation.

### Corning CoolRack Modules



Corning CoolRack modules use thermo-conductive tube modules to hold a broad range of sample tubes and capacities.

- Provides rapid equilibration to temperatures as low as  $-196^{\circ}\text{C}$  in ice, dry ice, alcohol baths, water baths and other heat sources.
- Rack design provides temperature consistency for all samples.
- CoolRack modules are compatible with CoolBox systems and can also be used in ice-free cooling.



### Corning CoolSink Modules



Corning CoolSink modules are plate and reservoir modules for a variety of sample plates, including 6-, 12-, 24-, 48-, and 96-well plates.

- Thermo-conductive alloy ensures rapid equilibration to temperatures as low as  $-196^{\circ}\text{C}$  in ice, dry ice, liquid nitrogen, and other temperature sources.
- The plate is engineered to ensure uniform temperature across all wells.
- Autoclavable and automation-friendly.

Learn more about the cooling products that Corning has to offer at

[www.corning.com/coolproducts](http://www.corning.com/coolproducts)

# CORNING

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