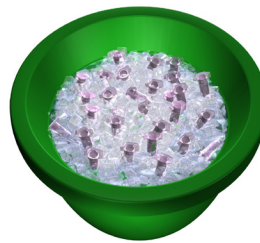
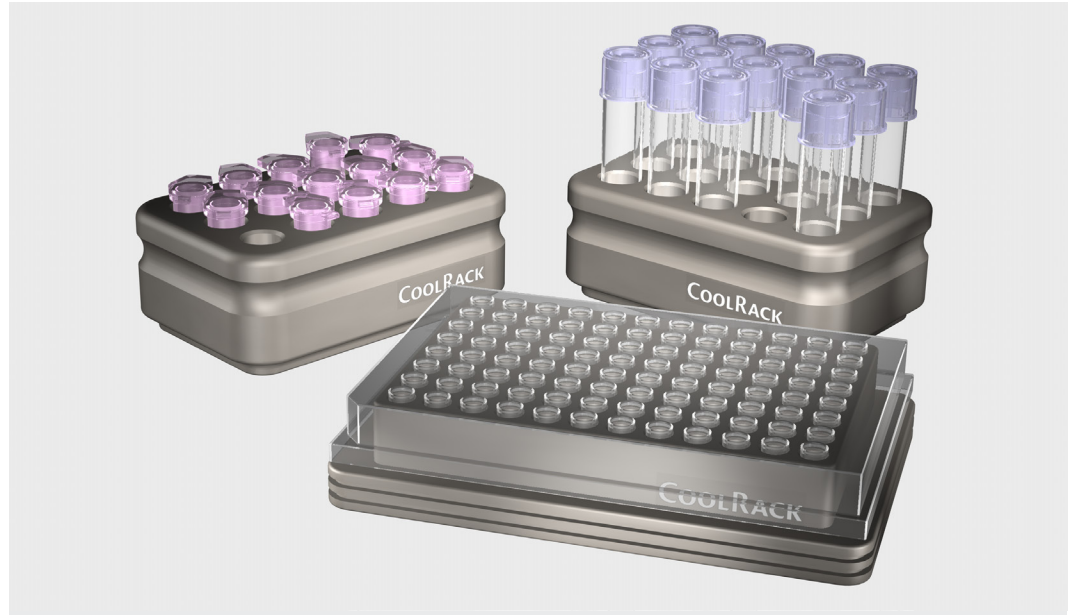


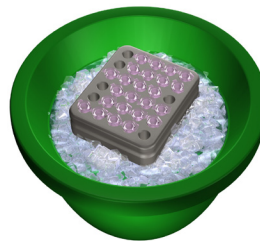
# CoolRack™

Organized. Protected. Standardized.

- Identical well to well temperature
- Ideal for snap freezing, thawing, and incubating
- Easy to organize and identify samples: labels remain dry and legible
- Secure support as ice melts reduces risk of sample contamination
- Solid, dry support when warming or thawing in water baths
- Ideal for sterile procedures
- Autoclavable, heat sterilize up to 500°C
- Temperature range -200°C to +500°C
- Ideal for virus, bacteria, and cell handling
- Versatile modular system holds a wide variety of sample tubes and plates



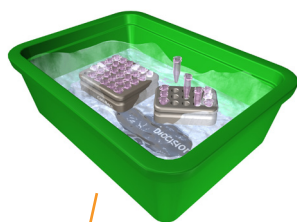
**The problem:** Managing temperature-sensitive samples. When cooling, freezing, thawing, or incubating, samples can get disorganized and misplaced. Tipping or wet samples can lead to contamination or lost labels that jeopardize your experiment. It's critical to maintain identical temperature in all samples to ensure data integrity.



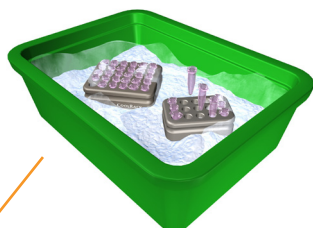
**The solution:** CoolRack. Consistent, repeatable, and equal sample temperature when cooling, freezing, and thawing. Complete organization, faster workflow, and consistent temperature control. No more worries about drowning, floating, or contamination. Now, cooling, freezing, thawing, incubating, and transferring sample sets of up to 96 tubes becomes a one step process. CoolRack modules are the perfect solution for temperature sensitive experiments and efficient work flow.

## Temperature Range

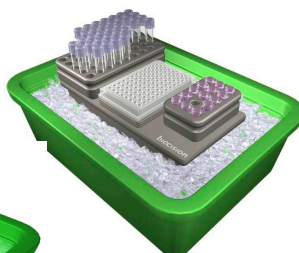
Sample freezing without direct immersion in LN<sub>2</sub>



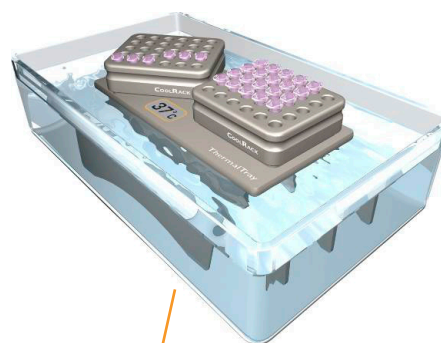
Dry ice snap freezing without slurry



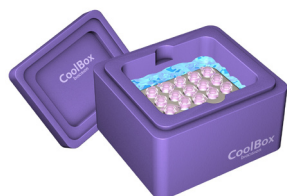
More than 10 hours cooling with one bucket of ice



37°C incubation without sample immersion in a water bath



## CoolBox Systems



Compact bench top LN<sub>2</sub> sample freezing without direct immersion

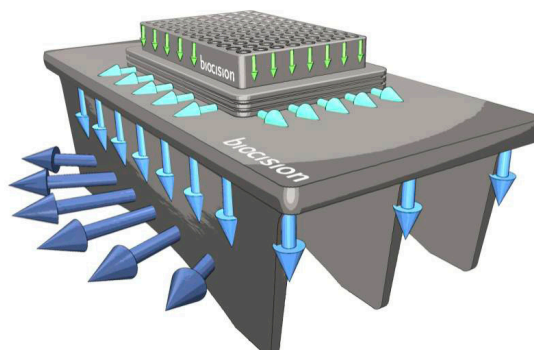
## CoolCell

-1°C/min controlled cell freezing without alcohol

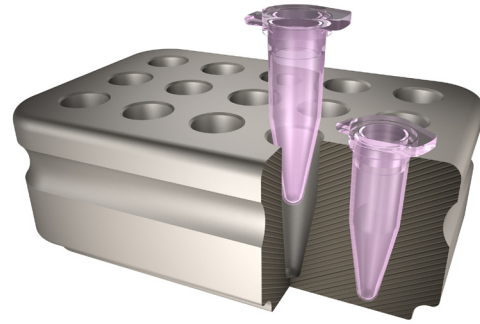
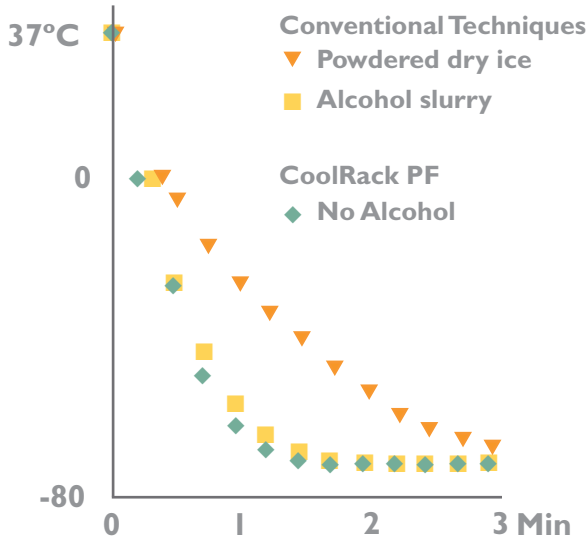


## ThermalTray™

ThermalTrays combine with CoolRacks to give you all day performance in a way that no ice bucket or water bath can. ThermalTray platforms conduct heat between samples and temperature source with rock solid support. Melting ice continues to cool for over 10 hours while the CoolRack remains dry, stable, clean, and ready for easy racked transport of samples. No more worries about drowning, floating, or contamination. Now, cooling, freezing, thawing, incubating, and transferring large sample sets becomes a one step process.



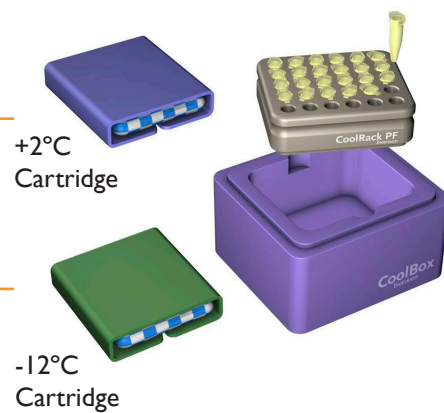
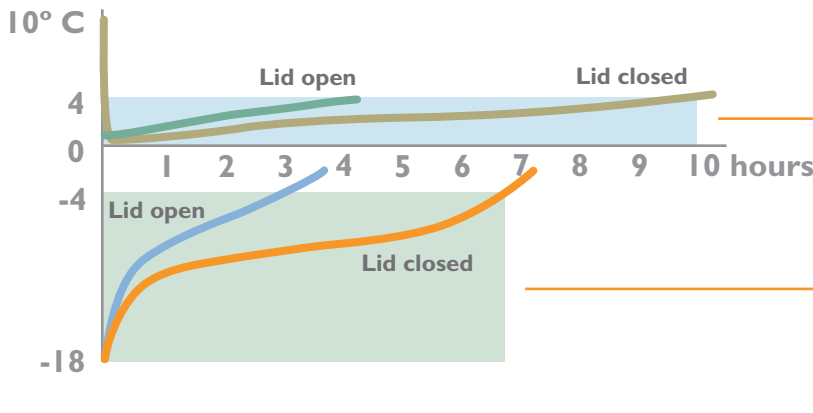
## SNAP FREEZING WITHOUT ALCOHOL SLURRY



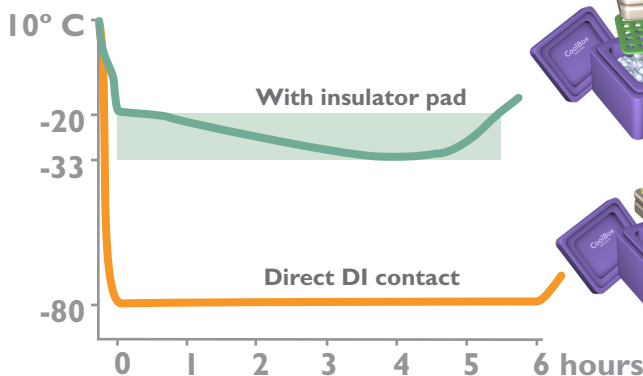
CoolRack PF freezes faster than alcohol/dry ice slurry. Eliminate risks of alcohol contamination and lost labels. The CoolRack without alcohol (shown in green) freezes faster than conventional alcohol/dry ice slurry (yellow).

## CoolBox Ice-Free Bench Top Cooler

The CoolBox provides versatile cooling and freezing for 30 samples in four temperature ranges from -80°C to +2°C. The CoolRack / CoolBox guarantees that all samples remain at exactly the same temperature. That's something plastic gel rack coolers can't do. Its compact size (17x15x13cm) saves valuable bench space.



## CoolBox with Dry Ice



The CoolBox with dry ice creates an ideal bench-top portable freezer. Maintain samples at a constant -80°C for up to 6 hours using only 200cc of crushed dry ice. Snap freeze samples in 30 seconds without alcohol slurry.

For -20°C work, adding the DI insulator (shown in green top left) under the CoolRack lets you hold samples below -20°C for over 5 hours.

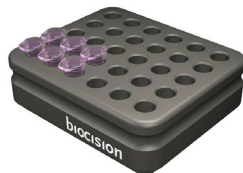
# CoolRack™

CoolRack thermo-conductive tube racks transmit heat 300 times faster than water or ice providing exact control of sample temperature. All samples experience identical cooling or warming conditions. Every sample remains at the exact same temperature as the source. And CoolRacks perform at all temperature conditions from liquid nitrogen to dry ice to ice to water bath. When snap freezing with dry ice, **CoolRack PF** profile fit racks freeze samples faster than dry ice/alcohol slurries. For rapid thawing CoolRacks warm samples without the risks of water bath immersion. Immediately after thawing, samples can be kept cool in one step by moving the CoolRack from the water bath to ice.

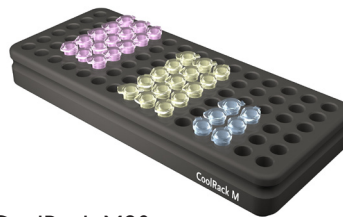
## CoolRack M Microfuge 1.5/2ml tube racks



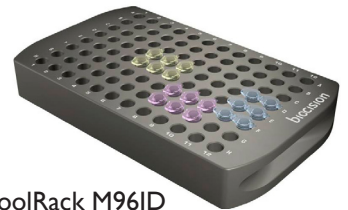
CoolRack M15  
BCS-125



CoolRack M30 \*  
BCS-108



CoolRack M90  
BCS-102



CoolRack M96ID  
BCS-116

## CoolRack CF Cryo / FACS tube racks



CoolRack CF15 12.5mm  
BCS-126



CoolRack CF30 12.5mm\*  
BCS-129

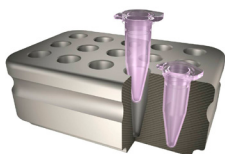


CoolRack CFT30  
Universal locking grip wells  
12.5mm\* BCS-138

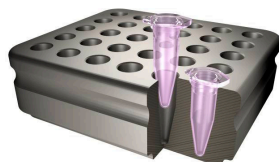


CoolRack CF45 12.5mm  
BCS-105

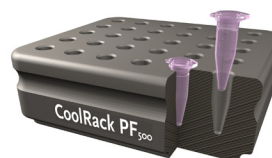
## CoolRack PF Profile Fit



CoolRack M15PF 1.5ml  
BCS-127

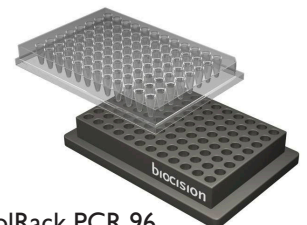


CoolRack M30PF 1.5ml \*  
BCS-128



CoolRack 500 M30PF 0.5ml \*  
BCS-137

## CoolRack PCR PCR 0.2ml tubes and plates



CoolRack PCR 96  
BCS-120

\* CoolBox 30 compatible

## CoolSink™

CoolSinks provide temperature control to warm or cool multi-well plates. By contacting each well with an iso-temperature thermo-conductive base, the CoolSink ensures temperature equivalence in all wells to eliminate thermal edge effects.



CoolSink 48  
48, 24, 12, 6 well flat bottom  
BCS-101



CoolSink 96U  
96 well U bottom  
BCS-107



CoolSink 96F  
96 well flat-bottom  
BCS-106

## Platforms



ThermalTray low profile  
BCS-123



ThermalTray high profile  
BCS-104



CoolTray (round bucket)  
Includes holders for eight 15ml  
and six 50ml conical tubes  
BCS-124

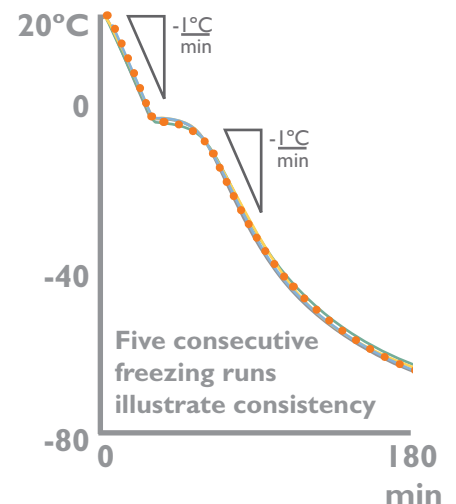


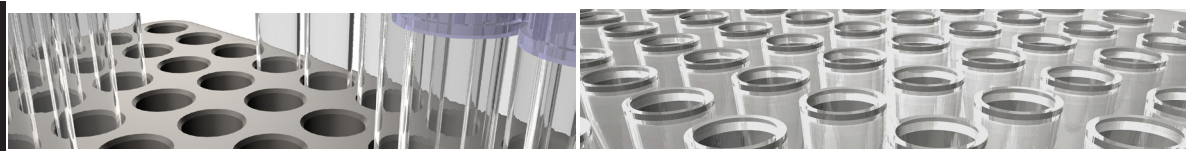
CoolCell -1°C/min Freezer  
BCS-136

## CoolCell -1°C/min Cell Freezing Without Alcohol

Controlled -1°C/min freeze without alcohol. No maintenance or solvent disposal. No stuck lids or frosty fingers. Recycles in minutes. Use with -80°C freezer or dry ice locker.

The thermal core, radial symmetry, and insulated design precisely balance heat removal for controlled freezing. The CoolCell provides consistent repeatable freeze profiles superior to that of an alcohol freezer. **Cleaner, greener, easier to use.**





|         |                |  |
|---------|----------------|--|
| BCS-123 | ThermalTray LP | Platform to support modules in water or melting ice, 11x6x2in                |
| BCS-104 | ThermalTray HP | Platform to support modules in water or melting ice, 11x6x4in                |
| BCS-124 | CoolTray       | Platform to support modules in round bucket plus 50ml / 15ml holders 8in dia |



|         |                |   |
|---------|----------------|---|
| BCS-125 | CoolRack M15   | 15 microcentrifuge tube holder 1.5 / 2ml                            |
| BCS-108 | CoolRack M30   | 30 microcentrifuge tube holder 1.5 / 2ml                            |
| BCS-102 | CoolRack M90   | 90 microcentrifuge tube holder 1.5 / 2ml                            |
| BCS-116 | CoolRack M96ID | 96 microcentrifuge tube holder with A-H and I-12 indexing 1.5 / 2ml |



|         |               |  |
|---------|---------------|--|
| BCS-126 | CoolRack CF15 | 15 Cryo / FACS tube holder (12.5mm)                            |
| BCS-129 | CoolRack CF30 | 30 Cryo / FACS tube holder (12.5mm)                            |
| BCS-138 | CoolRack CFT  | One hand opening 30 Cryo / FACS (12.5mm) fits all tube formats |
| BCS-105 | CoolRack CF45 | 45 Cryo / FACS tube holder (12.5mm)                            |



|         |                     |  |
|---------|---------------------|--|
| BCS-127 | CoolRack M15-PF     | 15 microcentrifuge tube holder with profiled-fit wells 1.5ml |
| BCS-128 | CoolRack M30-PF     | 30 microcentrifuge tube holder with profiled-fit wells 1.5ml |
| BCS-137 | CoolRack 500 M30-PF | 30 microcentrifuge tube holder with profiled-fit wells 0.5ml |



|         |                |   |
|---------|----------------|---|
| BCS-120 | CoolRack PCR96 | 96-well 0.2ml PCR tube and plate holder         |
| BCS-101 | CoolSink 48    | Multi-well plate (6-, 12-, 24-, 48-well) holder |
| BCS-107 | CoolSink 96U   | 96-well u-bottom plate holder                   |
| BCS-106 | CoolSink 96F   | 96-well flat-bottom plate holder                |

|         |                     |  |
|---------|---------------------|--|
| BCS-118 | CoolSystem M30x3    | Includes rectangular ice pan, Thermal Tray LP, CoolRack M30 (qty3)   |
| BCS-117 | CoolSystem M90      | Includes rectangular ice pan, Thermal Tray LP, CoolRack M90          |
| BCS-119 | CoolSystem CF       | Includes rectangular ice pan, Thermal Tray LP, CoolRack CF45         |
| BCS-121 | CoolSystem PCR96(1) | Includes rectangular ice pan, Thermal Tray LP, CoolRack PCR96        |
| BCS-122 | CoolSystem PCR96(3) | Includes rectangular ice pan, Thermal Tray LP, CoolRack PCR96 (qty3) |



|         |                           |  |
|---------|---------------------------|--|
| BCS-136 | CoolCell -1°C/min Freezer | Controlled rate without alcohol, holds 12 ext/int thread cap 1.0 / 2ml |
|---------|---------------------------|--|



|         |                               |   |
|---------|-------------------------------|---|
| BCS-130 | CoolBox 30 System             | CoolBox fits all 30 well CoolRacks, DI insulator pad, +2°C cartridge, IceTray |
| BCS-133 | CoolBox M30 System            | Includes CoolBox 30 System and one CoolRack M30 (BCS-108)                     |
| BCS-134 | CoolBox M30-PF System         | Includes CoolBox 30 System and one CoolRack M30-PF (BCS-128)                  |
| BCS-135 | CoolBox CF30 System           | Includes CoolBox 30 System and one CoolRack CF30 (BCS-129)                    |
| BCS-131 | CoolBox -12°C cartridge Green | 3 green -12°C cartridges - Recharges in standard -20°C laboratory freezer     |
| BCS-132 | CoolBox +2°C cartridge Blue   | 3 blue +2°C cartridges - Recharges in standard -20°C laboratory freezer       |