What's New

North America

Innovative new tools for the life science researcher

February 2016

Eliminate costly IPA
with Corning® CoolCell®
freezing systems

CORNING

INNOVATIVE STORAGE, HEATING, AND COOLING SOLUTIONS

Corning® CoolCell® Alcohol-free Freezing System

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Isopropanol (IPA) containers used for cryogenic freezing require costly alcohol replacements every 5 uses. In addition, isopropanol (IPA) containers can have inconsistent freezing rates. Corning CoolCell is the reusable, alcohol-free system to uniformly freeze your cells at a lower cost of use. With CoolCell, you get high reproducibility and high cell viability, without the cost of IPA.

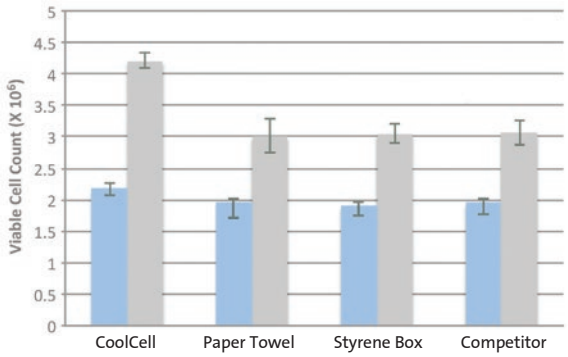
Proprietary CoolCell technology uses a thermo-conductive alloy core and highly insulative outer material that controls the rate of freezing to -1°C/minute cell freezing in a -80°C freezer.

CoolCell has been successfully tested with a variety of cell types including: stem cells, primary cells, PBMC lines, insect cells, and yeast.

Corning CoolCell Containers (partial list)

Cat. No.	Description	Capacity (Cryogenic Vials)	Vial Tops Exposed	Qty/Cs
432001	CoolCell LX, purple	12 x 1 or 2 mL	Yes	1
432002	CoolCell LX, green	12 x 1 or 2 mL	Yes	1
432003	CoolCell LX, orange	12 x 1 or 2 mL	Yes	1
432004	CoolCell LX, pink	12 x 1 or 2 mL	Yes	1
432005	CoolCell 5 mL LX, purple	12 x 3.5 to 5 mL	Yes	1

To see the complete line of CoolCell containers, visit **www.corning.com/coolcell**.



Human embryonic stem cells, RC-10, were frozen using the technique indicated, thawed after 2 weeks in liquid nitrogen, and counted immediately (Day 1, blue bar) or after 3 days of growth (Day 3, gray bar).

CoolCell containers are available in a variety of colors for 12 or 30 vials.

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Corning® CoolRack® and Corning CoolSink® Thermo-conductive Modules

Eliminate the variability that results from tubes or wells placed directly into ice, dry ice, alcohol, or water baths with Corning CoolRack and CoolSink modules. Place these thermo-conductive modules directly onto a temperature source from -196°C to >100°C and they rapidly adapt to that temperature. Both modules ensure ±0.1°C temperature uniformity across all tubes and plates when cooling, snap-freezing, heating, or thawing.

Suggested applications include: cooling reagents such as Corning Matrigel® matrix and other ECMs, restriction enzymes, dNTPs and anti-bodies, alcohol-free dry ice snap-freezing of tissue, virus and bacteria samples, and bench top cryogenic tube sorting in liquid nitrogen.

Good –
Ice bucket with ice

Better –
Ice bucket with CoolRack

Best –
CoolBox with CoolRack

Corning CoolBox™ Benchtop Cooling Systems

Corning CoolBox Systems are bench top cooling systems that provide sample cooling or freezing without ice, electricity, or batteries. The internal cooling or freezing cores provide hours of 0.5°C to 4°C cooling or -20°C to 0°C sample freezing. CoolBox systems may also be used with dry ice to create a compact, portable, snap-freezing workstation for bacteria, viruses, or proteins.

Corning CoolBox is available in a variety of configurations and is compatible with all of the Corning CoolRack and Corning CoolSink thermo-conductive sample modules.

The platform is flexible so you can select the right components for your application and working style. Corning CoolRack and Corning CoolSink modules may be placed in traditional Corning ice buckets and pans, or for an ice-free option, use with Corning CoolBox ice-free cooling systems.

Corning XT Starter Ice-free Coolers

Cat. No.	Description	Contains	Qty/Cs
432014	XT Starter, complete, purple	XT Holder and XT Cooling Core	1
432015	XT Starter, holder only, purple	XT Starter Holder only	1
432016	XT Starter PCR96 system	XT Starter and CoolRack XT PCR96	1
432017	XT Starter M-PCR system	XT Starter and CoolRack XT M-PCR	1

To see the complete line of CoolRack, CoolSink, and CoolBox systems, visit **www.corning.com/coolbox**.

Corning® Ice Buckets and Pans

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These multi-purpose containers are highly insulative, stackable, unbreakable, lightweight, and leak-proof. Containers will not "sweat" or deform and have a textured finish on the bottom to prevent slipping on the benchtop. Ideal for use with ice, dry ice, liquid nitrogen, alcohol or saline solutions, or warm solutions up to +93°C. Available in 5 sizes and 7 colors.

Corning Ice Buckets, Round (partial list)

Cat No.	Description	Qty/Cs
432122	Ice bucket, round 4L, green	1
432130	Ice bucket, round 2.5L, green	1

Corning Ice Pans, Rectangular (partial list)

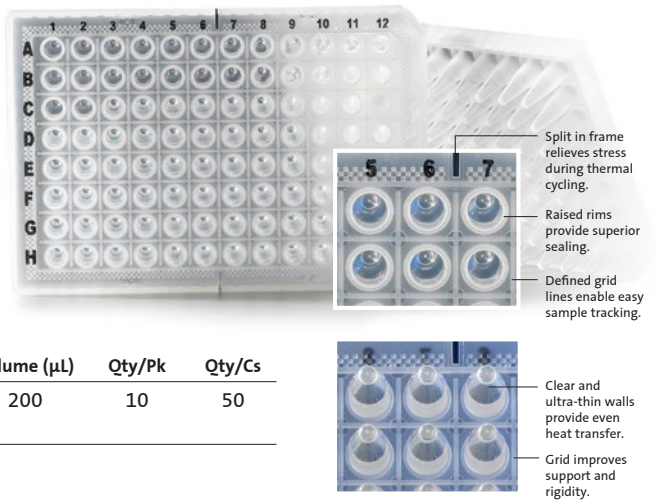
432093	Ice pan, maxi 9L, green	1
432103	Ice pan, midi 4L, green	1
432112	Ice pan with lid, midi 4L, lime green	1
432119	Ice pan, mini, 1L, lime green	1

To see the complete line, visit **www.corning.com/coolbox**.

No-warp PCR Plate Starts Flat, Stays Flat

AXYGEN
A Corning Brand

Warping of PCR microplates through thermal cycling increases sample evaporation and makes them no longer automation-compatible. Corning's unique, one material automation-compatible PCR microplate sustains flatness post-thermal cycling and has raised-angled rims for improved sealing, as well as grid lines for better sample traceability. The microplate is compatible with all major automated thermal cyclers, liquid handlers, and sequencers.



Axygen® Automation-compatible PCR Microplate

Cat. No.	Description	Volume (µL)	Qty/Pk	Qty/Cs
PCR-96-HS-AC-C	Axygen 96-well half skirt automation-compatible PCR microplate, clear, nonsterile	200	10	50

For more specific information on claims, visit the Certificates page at **www.corning.com/lifesciences**.

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.

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