

Sample Cooling and Heating



Sample Cooling and Heating Standardization



Prepare.

Ice-free sample cooling and freezing

- Consistent and reproducible
- Ideal for working in a hood



Thermoconductive Tube Rack and Ice-Free Cooling Workstation systems



Protect.

Controlled-rate cell freezing

- No alcohol
- High post-thaw recovery and viability
- Proven for stem cells, primary cells, PBMC, cell lines and more



Alcohol Free Cell Freezing Containers



Preserve.

Archival storage integrity

- Hinged lid helps box and lid stay together
- LN₂ drain holes and water proof fiberboard



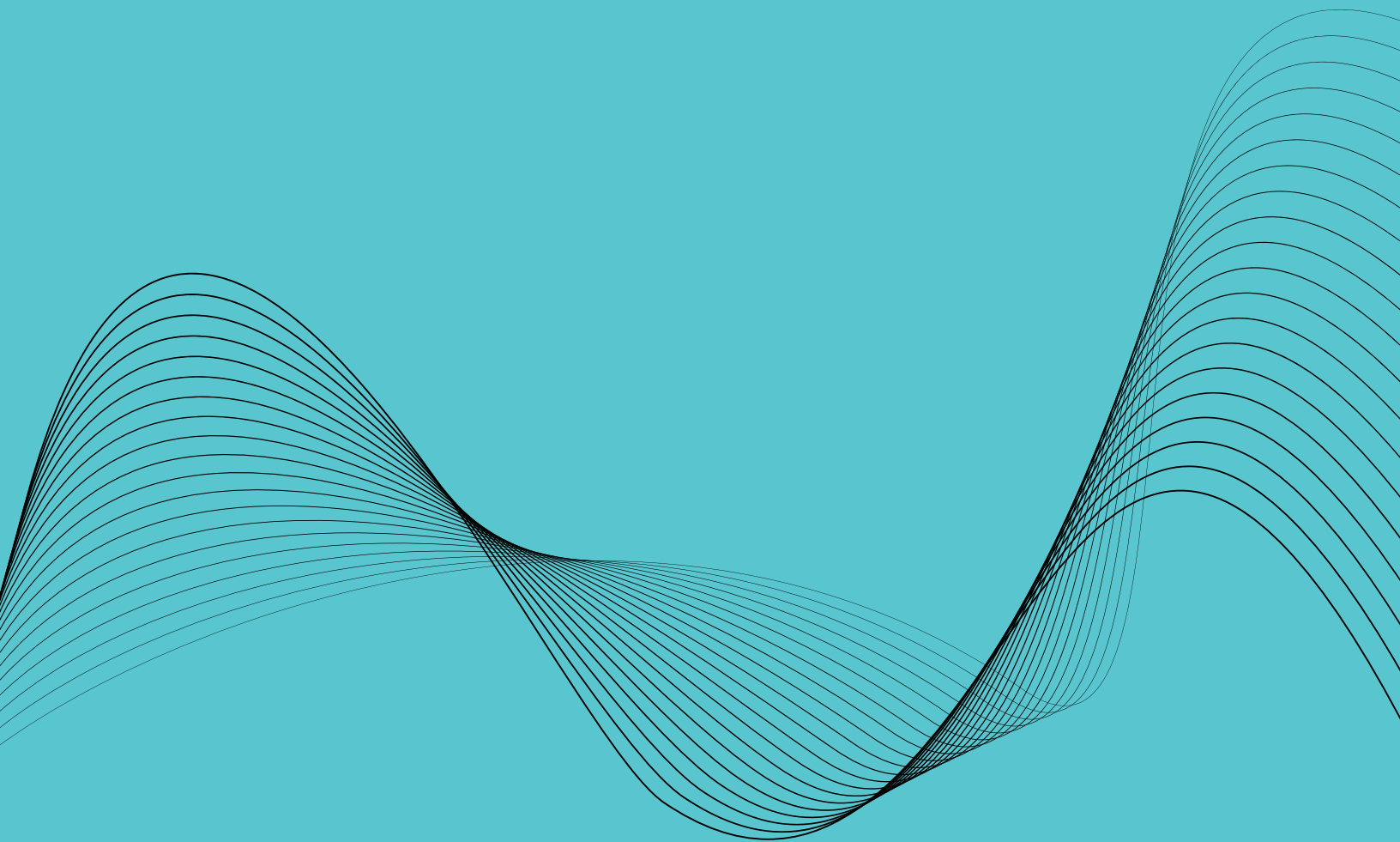
Hinged CryoBoxes



AZENTA
LIFE SCIENCES

Alcohol-Free Cell Freezing Containers





AZENTA
LIFE SCIENCES

Alcohol-Free Cell Freezing Containers

Alcohol-free cell freezing containers ensure standardized controlled-rate $-1^{\circ}\text{C}/\text{minute}$ cell freezing in a -80°C freezer - without alcohol or any fluids. Proven for use with a variety of cell types including stem cells, primary cells, PBMC cell lines, insect cells, yeast and others. The Alcohol-Free Cell Freezing technology utilizes a thermo-conductive alloy core and highly-insulative outer material to control the rate of heat removal and provide reproducible cell cryopreservation. Alcohol-Free Cell Freezing units are easy to use and deliver comparable results to expensive programmable freezers.

Alcohol-free cell freezing containers are proven to work with many cell types including:

Stem Cells

- Human Embryonic Stem
- Preadipocytes
- Breast Cancer Stem
- Colon Cancer Stem
- Glioblastoma Stem
- Mouse Embryonic Stem
- Human Endothelial
- Progenitor

Primary Cells

- Neonatal Keratinocytes
- Human WBCs
- Mouse
- WBCs
- Human CD34+
- Muscle
- Human Tendon
- Fibroblasts
- Melanoma Tumor
- Human Cardiac
- Ventricular
- Human Cardiac Atrial

Cell Lines

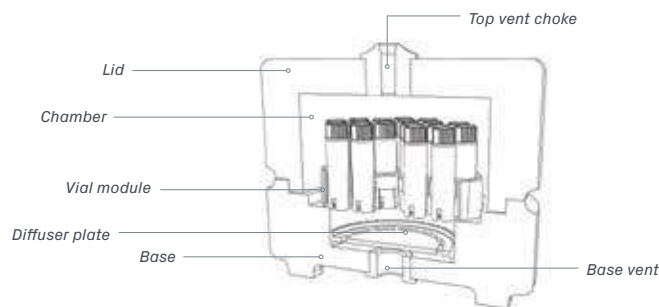
- CHO
- LnCap
- HTB77
- A549
- HeLa



Cell Freezing Containers, in combination with a -80°C freezer, will provide the freezing rate of $-1^{\circ}\text{C}/\text{minute}$ that is ideal for cryopreservation of most cells and cell lines. Using a combination of uniform-density cross-linked polyethylene foam, a solid state core, and radial vial symmetry, freezing profiles are consistent and reproducible. It is important to fully load Cell Freezing Containers prior to freezing. Foam is non-absorbent and will impose negligible change in the freezer environment; thereby protecting nearby frozen samples. The low heat content also ensures that Cell Freezing Containers will rapidly return to room temperature when removed from the freezer.



Alcohol-free cell freezing containers	Isopropanol (IPA) Container
No alcohol <ul style="list-style-type: none"> • No fluids • No pre-cooling • Saves 12L/unit of IPA per year 	Requires isopropanol <ul style="list-style-type: none"> • Replace alcohol every 5 uses • Track number of uses • Pre-cool alcohol in refrigerator
No variability <ul style="list-style-type: none"> • All vials have uniform freeze rate • Radially symmetric design ensures vial consistency 	Inconsistent freeze rate <ul style="list-style-type: none"> • Alcohol degradation induces variability • Two circles of wells; two freeze rates
No on-going cost <ul style="list-style-type: none"> • No alcohol purchase or disposal 	Approximately \$350/year <ul style="list-style-type: none"> • Change alcohol weekly • Dispose of hazardous waste
No stuck lids <ul style="list-style-type: none"> • Ergonomic lid comes off easily when frozen • Not cold to the touch when removing from the -80°C freezer 	Difficult to handle and open <ul style="list-style-type: none"> • Screw cap difficult to remove when frozen • Frozen unit is slippery and cold to touch
Quick re-use time <ul style="list-style-type: none"> • Ready to use again after five minutes 	Wait between runs <ul style="list-style-type: none"> • Takes >1 hr for alcohol to warm-up

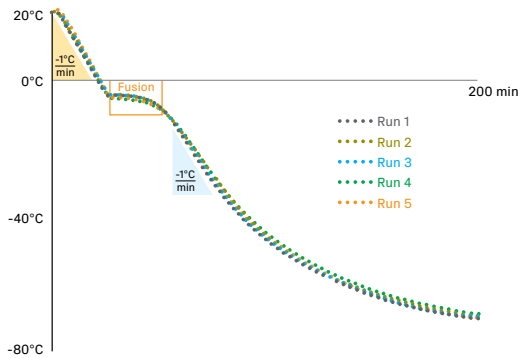


Cell Freezing Containers for 30 x 1mL or 2mL Cryo Tubes utilize a solid state core and controlled micro-convection technology to evenly draw in -80°C freezer air through a bottom base vent, uniformly disperse the cold air around each vial in the central chamber and then release the thermal load from the vials through a top vent choke. The inner vial module holds 30 cryogenic vials and can be removed in one step. Each vial achieves a uniform and reproducible $-1^{\circ}\text{C}/\text{minute}$ freezing profile and thermal profiles are highly reproducible. Due to the low thermal mass of the uniform-density cross-linked polyethylene foam container, freezing can be conducted without a rise in local freezer temperature, thereby protecting nearby samples.



Alcohol-Free Cell Freezing Containers

Alcohol-Free Cell Freezing Container Reproducibility



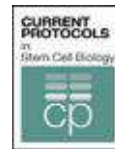
Performance test: A temperature probe was placed into a 2.0 mL cryogenic vial containing 1.0 mL of water and the tube was inserted into a room temperature Alcohol-Free Cell Freezing Container. The container was placed into a -80°C freezer and the temperature rate and profile was recorded over a 3 hour period. The test was repeated 5 consecutive times. **Conclusion:** The Alcohol-Free Cell Freezing Container generated identical fusion time and cooling profiles over five consecutive freeze cycles.

Alcohol-Free Cell Freezing Container Protocols



Cryopreservation and Thawing of Cells

Wayne M. Yokoyama, Maria L. Thompson, Rolf O. Ehrhardt
University of California School of Medicine, San Francisco, CA BioCision LLC, Larkspur, California
Curr. Protoc. Immunology. 2012 Nov; 99 Appendix 3G



Standardized Cryopreservation of Pluripotent Stem Cells

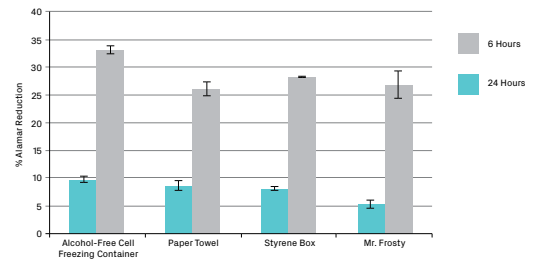
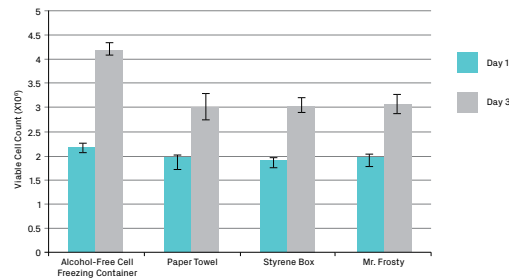
Rick I. Cohen, Maria L. Thompson, Brian Schryver, Rolf O. Ehrhardt
Rutgers University, Piscataway, New Jersey
BioCision LLC, San Rafael, California
Curr. Protoc. Stem Cell Biol. 28:1C.14.1-1C.14.10



Standardized Cryopreservation of Human Primary Cells

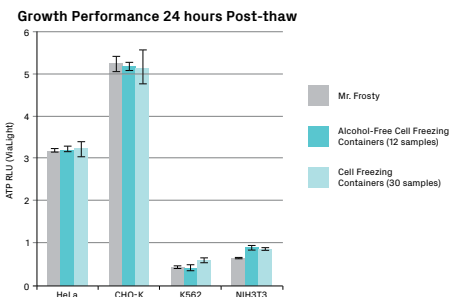
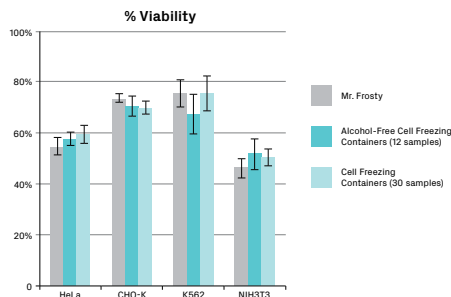
Thomas V. Ramos, Aby J. Mathew, Maria L. Thompson, Rolf O. Ehrhardt
HemaCare Corporation, Van Nuys, California, BioLife Solutions, Bothell, Washington, BioCision, Larkspur, California
Curr. Protoc. Cell Biology. 2014 Sept; 64 Appendix 3I.

Alcohol-Free Cell Freezing Container Performance vs. IPA Container



Human embryonic stem cells, RC-10 were frozen using the technique indicated, thawed after 2 weeks in LN₂, and counted immediately (Day 1) or after 3 days of growth (Day 3).

Alamar blue reduction assay for proliferation assessment showed cells frozen in an Alcohol-Free Cell Freezing Container grew more quickly, leading to more total cells.

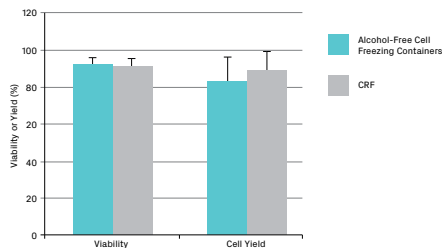


HeLa, CHO-K, K562, NIH3T3. 12-well Alcohol-Free 30-well Cell Freezing Containers, Cell Freezing Containers or “Mr. Frosty” freezing containers were used to freeze all four cell lines. Identical transfection efficiencies and viabilities were observed after thawing.

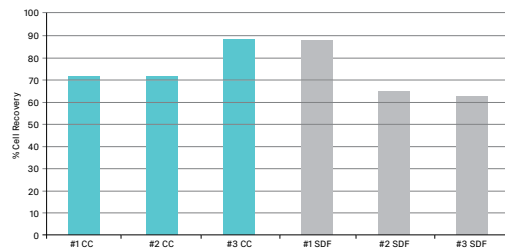
Identical growth of cells was observed 24 hours post-thaw.

Alcohol-Free Cell Freezing Containers

Alcohol-Free Cell Freezing Container Performance vs. Programmable Freezer



Ag-Tregs. Effects of freezing on antigen-specific Treg (Ag-Treg) cell therapy products; Ag-Tregs (n = 6) were frozen at concentration of 1 to 10 x 10⁶ cells/mL using the Alcohol-Free Cell freezing Container or controlled-rate freezer (CRF) with a freezing rate of -1°C/min. Viability and absolute viable cell count of thawed Ag-Treg cell therapy products were evaluated by flow cytometry. - *Data generated by TxCell SA*



Comparison of freezing methods. Graph comparing % of cell recovery after freezing with the Alcohol-Free Cell Freezing Container (blue) versus freezing using a programmable step-down freezer (gray) in 3 different samples at high cell concentration. There was no significant difference between the two freezing methods. - *Data performed by UCSF Diabetes Center*

For 1.0 mL or 2.0 mL Cryogenic Vials



Cell Freezing Containers for 12 x 1mL 96-format Sample Tubes

For 12 standard 1mL storage tubes. 0.5mL to 1mL fill per vial. Optimized for freezing 1mL 96-format sample tubes. Radially symmetric for uniform freezing. Numbered wells for easy identification. Beveled lid for secure gripping and easy opening.



Cell Freezing Containers for 12 x 1mL or 2mL Cryo Tubes

For 12 standard 1.0 mL to 2.0 mL cryogenic vials, 1.0 mL fill per vial. Radially symmetric for uniform vial freezing. Numbered wells for easy sample identification. Beveled lid for secure gripping and easy opening. Exposed vial tops when lid is open for quick, organized removal of frozen samples.

Ordering Information

BCS-407P	Cell Freezing Container, for 12 x 1ml 96-format sample tubes, purple
BCS-407O	Cell Freezing Container, for 12 x 1ml 96-format sample tubes, orange

Ordering Information

BCS-405	Cell Freezing Container, for 12 x 1ml or 2ml cryo tubes, purple
BCS-405G	Cell Freezing Container, for 12 x 1ml or 2ml cryo tubes, green
BCS-405O	Cell Freezing Container, for 12 x 1ml or 2ml cryo tubes, orange
BCS-405PK	Cell Freezing Container, for 12 x 1ml or 2ml cryo tubes, pink
BCS-405MC	Cell Freezing Container, for 12 x 1ml or 2ml cryo tubes, multipack with 4 colors - purple, green, orange and pink

For 3.5 mL to 5.0 mL Cryogenic Vials



Cell Freezing Containers for 12 x 3.5mL to 5mL Cryo Tubes

For 12 standard 3.5 mL to 5.0 mL fill cryogenic vials, 3.5 to 5.0 mL fill per vial. Radially symmetric for uniform vial freezing. Numbered wells for easy sample identification. Beveled lid for secure gripping and easy opening. Exposed vial tops when lid is open for quick, organized removal of frozen samples.

Ordering Information

BCS-406	Cell Freezing Container, for 12 x 3.5mL to 5mL cryo tubes, purple
----------------	---



Cell Freezing Containers for 30 x 1mL or 2mL Cryo Tubes

For 30 standard 1.0 mL to 2.0 mL cryogenic vials, 1.0 mL fill per vial. Controlled micro-convection for uniform freezing of 30 vials. Removable vial tray for one-step transfer of samples into and out of freezing chamber.

Ordering Information

BCS-170	Cell Freezing Container, for 30 x 1ml or 2ml cryo tubes, purple
BCS-170G	Cell Freezing Container, for 30 x 1ml or 2ml cryo tubes, green
BCS-170O	Cell Freezing Container, for 30 x 1ml or 2ml cryo tubes, orange
BCS-170PK	Cell Freezing Container, for 30 x 1ml or 2ml cryo tubes, pink

For Injectable Cell Therapy Ampules

Cell Freezing Containers for 12 x 2mL Injectable Cell Therapy Ampules and Cell Freezing Containers for 6 x 10mL Injectable Cell Therapy Ampules

For 12 standard 2.0 mL injectable ampules, 1.0 mL fill per ampule (Cell Freezing Containers for 12 x 2mL Injectable Cell Therapy Ampules). For 6 standard 10.0 mL injectable ampules, 5.0 mL fill per ampule (Cell Freezing Containers for 6 x 10mL Injectable Cell Therapy Ampules). Radially symmetric for uniform freezing of injectable ampules. Easy open lid. Exposed vial tops when lid is open for quick, organized removal of frozen samples.



Ordering Information

BCS-172	Cell Freezing Container, for 12 x 2ml injectable cell therapy ampules, purple
BCS-262	Cell Freezing Container, for 6 x 10ml injectable cell therapy ampules, purple

Cell Cryopreservation Systems



Cell Freezing Containers for 12 x 2mL Injectable Cell Therapy Ampules Stem Cell Cryopreservation System



Cell Freezing Containers for 6 x 10mL Injectable Cell Therapy Ampules Stem Cell Cryopreservation System

Ordering Information

BCS-172CS	Stem Cell Cryopreservation System , containing 1 x Cell Freezing Container, for 12 x 2ml injectable cell therapy ampules, purple and 1 x Thermoconductive Tube Rack, holds 12 x 2ml injectable cell therapy ampules, cylindrical wells, gray
------------------	--

Ordering Information

BCS-262CS	Stem Cell Cryopreservation System , containing 1 x Cell Freezing Container, for 6 x 10ml injectable cell therapy ampules, purple and 1 x Thermoconductive Tube Rack, holds 12 x 10ml injectable cell therapy ampules, cylindrical wells, gray
------------------	---



Note: For optimal freezing it is important to fully load each Cell Freezing Container prior to freezing. Cell Freezing Container Filler Vials are recommended for filling any empty wells.



Cell Freezing Container Filler Vials

To ensure cell freezing rate consistency and uniform results when using Azenta containers, insert a Cell Freezing Container Filler Vial into empty wells when freezing less than a full load. Suitable for repeated use and compatible with Cell Freezing Containers for 12 x 1mL or 2mL Cryo Tubes, Cell Freezing Containers for 30 x 1mL or 2mL Cryo Tubes and Cell Freezing Containers for 12 x 3.5mL to 5mL Cryo Tubes containers. 6 per pack.

Cell Freezing Container Vial Module for 30 x 1ml or 2ml Cryo Tubes

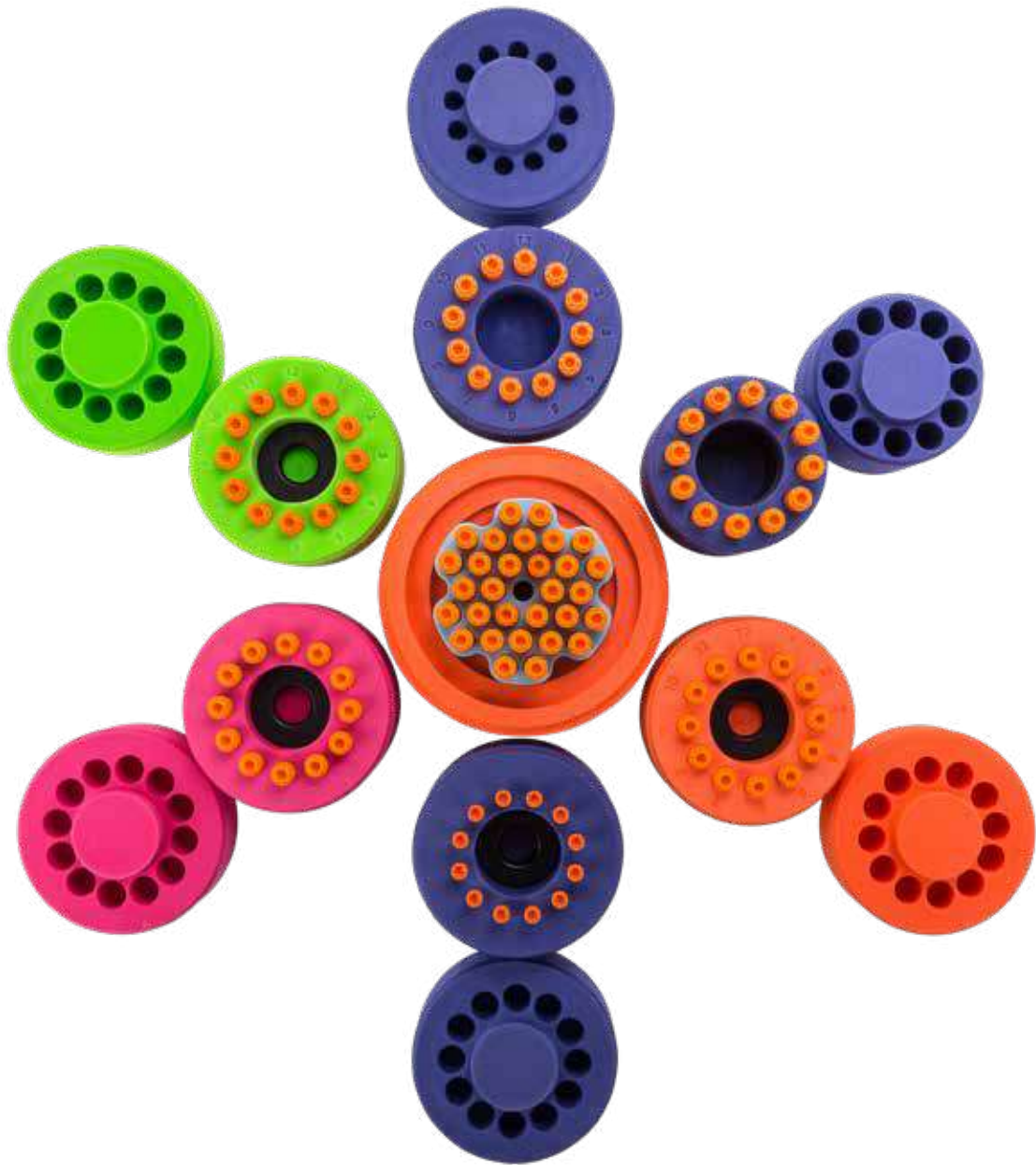
Cell Freezing Container Vial Module for 30 x 1ml or 2ml Cryo Tubes is a holder for 30 1.0 mL or 2.0 mL cryogenic vials that allows one-step insertion and removal of all 30 vials at once. Fits into a standard 5.0 x 5.0 x 2.0 inch cryostorage box. Compatible with dry ice and liquid nitrogen.

Ordering Information

BCS-3105	Cell Freezing Container Filler Vials , 6 x 2ml
BCS-3106	Cell Freezing Container Filler Vials , 6 x 5ml
BCS-3107	Cell Freezing Container Filler Vials , 6 x 1mL

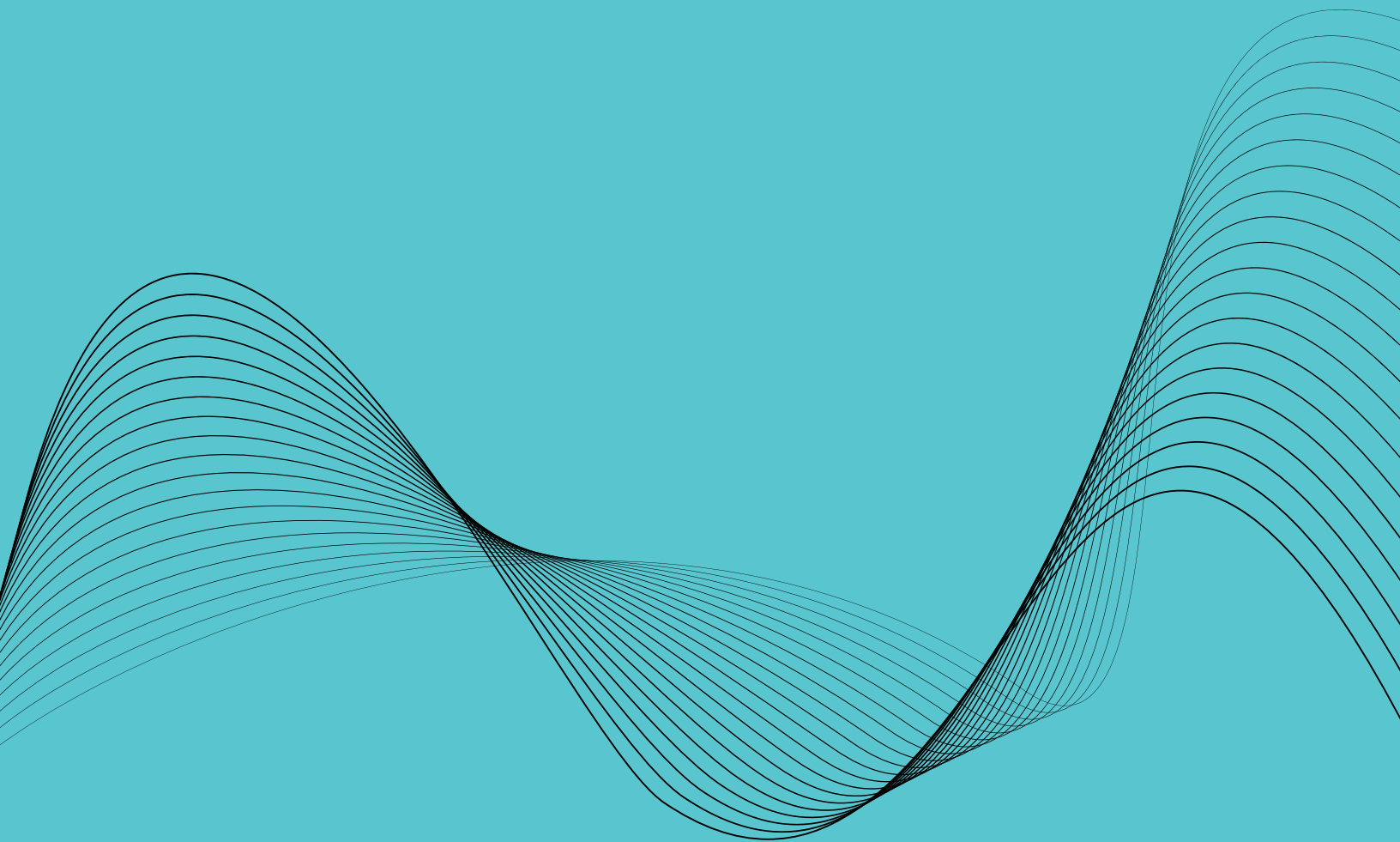
Ordering Information

BCS-210	Removable Cryo Tube Module for use with the Cell Freezing Container for 30 x 1mL or 2ml Cryo Tubes
----------------	---



Ice-Free Cooling Workstations

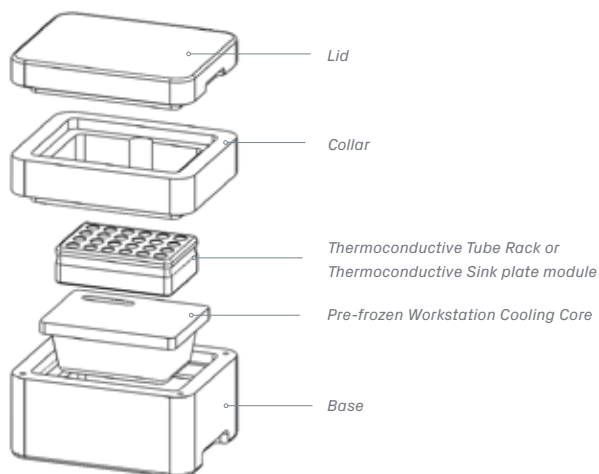




AZENTA
LIFE SCIENCES

Ice-Free Cooling Workstations







Ice-Free Cooling Workstations are bench top cooling workstations that provide sample cooling or freezing without ice, electricity or batteries. Ice-Free Cooling Workstations are versatile and accommodate a variety of sample formats and temperatures. The modular design enables the use of Thermoconductive Tube Rack and Thermoconductive Sink sample modules to hold microfuge tubes, cryogenic vials, PCR tubes or plates, assay plates and more.



How It Works

- Freeze the Cooling Core in -20°C freezer
- Place frozen core in base
- Place Thermoconductive Tube Rack or Thermoconductive Sink module on core
- Module will equilibrate and maintain temperature via thermo-conductivity

How to Configure an Ice-Free Cooling Workstation System

	1. Identify Tube or Plate	2. Choose Thermoconductive Tube Rack or Thermoconductive Sink Module	3. Choose Ice-Free Cooling Workstation capacity and color
Example 1	up to 24 microcentrifuge tubes	 Thermoconductive Tube Rack for 24 Microcentrifuge Tubes	 Cooling Workstation, Single Capacity
Example 2	up to 48 microcentrifuge tubes	 2 x Thermoconductive Tube Racks for 24 Microcentrifuge Tubes	 Cooling Workstation, Double Capacity
Example 3	24 microcentrifuge tubes and one PCR plate, 12 PCR strips, or 0.2 mL PCR tubes	 Thermoconductive Tube Rack for 24 Microcentrifuge Tubes + Thermoconductive Tube Rack for 96-Well PCR Plates	 Cooling Workstation, Double Capacity

Choose Your Thermoconductive Tube Rack Module



Open	4 hr	10 hr	10 hr	4 hr
Closed	--	16 hr	16 hr	10 hr

For Use With	Wells	Well Shape	Dimensions (L x W x H)	Well Dia.	Well Depth	Description	Item No.	Capacity			
Microfuge tube modules: Thermoconductive Tube Racks for Microcentrifuge Tubes											
1.5 mL or 2.0 mL tubes	6	Cylindrical	6.0 x 4.3 x 3.8 cm	11.1 mm	32.7 mm	Thermoconductive Tube Rack for 6 Microcentrifuge Tubes	BCS-163	1	up to 3	up to 8	up to 2
1.5 mL or 2.0 mL tubes	15	Cylindrical	10.2 x 6.4 x 3.8 cm	11.1 mm	32.7 mm	Thermoconductive Tube Rack for 15 Microcentrifuge Tubes	BCS-125	1	1	up to 4	1
1.5 mL conical tubes	15	Conical	10.2 x 6.4 x 3.8 cm	11.1 mm	35.3 mm	Thermoconductive Tube Rack for 15 Microcentrifuge Tubes, Conical Wells	BCS-127	1	1	up to 4	1
1.5 mL Or 2.0 mL tubes	24	Cylindrical	12.8 x 8.5 x 3.8 cm	11.1 mm	32.7 mm	Thermoconductive Tube Rack for 24 Microcentrifuge Tubes*	BCS-535	1	1	up to 2	—
5.0 mL centrifuge tubes	12	Conical	12.7 x 8.6 x 5.0 cm	16.5 mm	48.7 mm	Thermoconductive Tube Rack for 12 x 5mL Microcentrifuge Tubes*	BCS-539	1	1	up to 2	—
1.5 mL or 2.0 mL tubes	30	Cylindrical	12.0 x 10.2 x 3.8 cm	11.1 mm	32.7 mm	Thermoconductive Tube Rack for 30 Microcentrifuge Tubes	BCS-108	1	--	up to 2	1
1.5 mL conical tubes	30	Conical	12.0 x 10.2 x 3.8 cm	11.1 mm	35.3 mm	Thermoconductive Tube Rack for 30 Microcentrifuge Tubes, Conical Wells	BCS-128	1	--	up to 2	1
500 uL conical tubes	30	Conical	12.0 x 10.2 x 3.8 cm	11.1 mm	35.3 mm	Thermoconductive Tube Rack for 30 Microcentrifuge Tubes, 500µl	BCS-137	1	--	up to 2	1
Cryogenic vial and FACS tube modules: Thermoconductive Tube Racks for Cryo or FACS Tubes											
cryogenic vials or FACS tubes	15	Cylindrical	10.2 x 6.4 x 3.8 cm	12.7 mm	32.7 mm	Thermoconductive Tube Rack for 15 Cryo or FACS Tubes	BCS-126	1	1	up to 4	1
cryogenic vials or FACS tubes	24	Cylindrical	12.8 x 8.5 x 3.8 cm	12.7 mm	32.7 mm	Thermoconductive Tube Rack for 24 Cryo or FACS Tubes*	BCS-534	1	1	up to 2	—
cryogenic vials or FACS tubes	30	Cylindrical	12.0 x 10.2 x 3.8 cm	12.7 mm	32.7 mm	Thermoconductive Tube Rack for 30 Cryo or FACS Tubes ^ø	BCS-138	1	--	up to 2	1
cryogenic vials or FACS tubes	45	Cylindrical	17.3 x 9.7 x 3.8 cm	12.7 mm	32.7 mm	Thermoconductive Tube Rack for 45 Cryo or FACS Tubes	BCS-105	--	--	1	—
PCR plate, strip well or tube modules: Thermoconductive Tube Racks for PCR Plates											
One 96-well PCR plate, strip wells, 0.2mL tubes	96	Tapered	12.7 x 8.6 x 2.5 cm	-	13.2 mm	Thermoconductive Tube for 96-Well PCR Plates*	BCS-529	1	1	up to 2	—
6 strip wells and 12 x 1.5 or 2.0 mL microfuge tubes	48(PCR) 12(M)	Tapered(PCR) Cylindrical(M)	12.7 x 8.6 x 3.8 cm	- 11.1 mm	13.2 mm 32.7 mm	Thermoconductive Tube Rack for Microcentrifuge Tubes Plus Strip Wells*	BCS-523	1	1	up to 2	—
One 384-well PCR plate	384	Tapered	12.7 x 8.6 x 1.9 cm	-	7.6 mm	Thermoconductive Tube Rack for 384-Well PCR Plates*	BCS-538	1	1	up to 2	—
2D coded storage tube modules: Thermoconductive Tube Racks for 96-Well Coded Tubes											
0.5 mL 2D storage tubes	96	Cylindrical	13.1 x 8.9 x 3.6 cm	8.4 mm	24.6 mm	Thermoconductive Tube Rack for 96 x 0.5mL Barcoded Tubes	BCS-231	1	1	up to 2	—
1.4 mL 2D storage tubes	96	Cylindrical	13.2 x 8.9 x 3.6 cm	8.3 mm	32.7 mm	Thermoconductive Tube Rack for 96 x 1mL Barcoded Tubes	BCS-149	1	1	up to 2	—
Cell therapy injectable ampule modules: Thermoconductive Tube Racks for Injectable Cell Therapy Ampules											
2.0 mL injectable cell therapy ampules	12	Cylindrical	12.7 x 8.6 x 3.8 cm	16.0 mm	24.0 mm	Thermoconductive Tube Rack for 12 x 2mL Injectable Cell Therapy Ampules	BCS-266	1	1	up to 2	—
10.0 mL injectable cell therapy ampules	12	Cylindrical	12.7 x 8.6 x 3.8 cm	23.6 mm	27.9 mm	Thermoconductive Tube Rack for 12 x 10mL Injectable Cell Therapy Ampules	BCS-265	1	1	up to 2	—

* SBS-compatible ø "gripping" wells for one-hand vial opening/closing

Ice-Free Cooling Workstations

For Use With	Wells	Well Shape	Dimensions (L x W x H)	Well Dia.	Well Depth	Description	Item No.	Capacity			
Tall tube modules: Thermoconductive Tube Racks for 15 mL, 50mL and 250 mL Centrifuge Tubes											
15 mL centrifuge tubes	12	Cylindrical	13.7 x 9.5 x 11.8 cm	17.5 mm	105.4 mm	Thermoconductive Tube Rack for 12 x 15mL Centrifuge Tubes, with insulative exterior†	BCS-232	1	1 ^Δ	up to 2 ^Δ	—
15 mL centrifuge tubes	9	Cylindrical	8.9 x 8.9 x 10.7 cm	17.1 mm	106.7 mm	Thermoconductive Tube Rack for 9 x 15mL Centrifuge Tubes	BCS-153	1	1 ^Δ	up to 2 ^Δ	—
50 mL centrifuge tubes	4	Cylindrical	8.9 x 8.9 x 10.7 cm	29.5 mm	101.6 mm	Thermoconductive Tube Rack for 4 x 50mL Centrifuge Tubes	BCS-154	1	1 ^Δ	up to 2 ^Δ	—
250 mL centrifuge tube	1	Conical	8.9 x 8.9 x 14.0 cm	60.4 mm	133.3 mm	Thermoconductive Tube Rack for 1 x 250mL Centrifuge Tube	BCS-532	1	1 ^{**}	up to 2 ^{**}	—
250 mL centrifuge tube	1	Cylindrical	8.9 x 8.9 x 7.2 cm	73.6 mm	66. mm	n/a	BCS-533	1	1	up to 2	—
Blood collection tube modules: Thermoconductive Tube Racks for Blood Tubes											
13 mm or 16 mm blood tubes	12	Cylindrical	13.7 x 9.5 x 9.6 cm	16.6 mm	83.3 mm	Thermoconductive Tube Rack for 12 x 13mm or 16mm Blood Tubes, with insulative exterior†	BCS-235	1	1	up to 2 ^Δ	—
13x75 mm blood tubes	9	Cylindrical	8.9 x 8.9 x 6.1 cm	13.0 mm	61.0 mm	Thermoconductive Tube Rack for 9 13x75mm Blood Tubes	BCS-157	1	1 ^Δ	up to 2 ^Δ	—
13x100 mm blood tubes or 5 mL cryogenic vials	9	Cylindrical	8.9 x 8.9 x 8.4 cm	13.0 mm	83.8 mm	Thermoconductive Tube Rack for 9 13x100mm Blood Tubes	BCS-155	1	1 ^Δ	up to 2 ^Δ	—
16x100 mm blood tubes	9	Cylindrical	8.9 x 8.9 x 8.4 cm	16.0 mm	83.8 mm	Thermoconductive Tube Rack for 9 16x100mm Blood Tubes	BCS-156	1	1 ^Δ	up to 2 ^Δ	—

† Thermo-conductive base and insulative exterior Δ Requires extension collar accessory for closed lid cooling ** Lid closure not possible even with the addition of extension collar

Choose Your Ice-Free Cooling Workstation System



	Cooling Workstation Open Platform, Single Capacity	Cooling Workstation, Single Capacity & Cooling Workstation, Double Capacity	Cooling Workstation for use with Smaller Thermoconductive Tube Rack
Holds Tubes	Yes	Yes	Yes
Holds Plates	Yes	Yes	n/a
0.5° - 4°C cooling with lid open	4 hours	10 hours	4 hours
0.5° - 4°C cooling with lid closed	n/a	16 hours	10 hours
<0°C freezing with lid open	n/a	5 hours	3 hours
<0°C freezing with lid closed	n/a	8 hours	6 hours



Cooling Workstation Open Platform, Single Capacity



An open-platform ice-free cooler that accommodates most Thermoconductive Tube Racks and Thermoconductive Sink modules. Low profile and small footprint make it ideal for use in the hood, keeping samples cold (0.5° to 4.0°C) up to four hours. 1°C to 8°C temperature indicator provides visual assurance of temperature performance. To extend the cooling duration, keep an additional Cooling Workstation Cooling Core in the freezer and rotate the Cores as needed.

Ordering Information

BCS-504	Cooling Workstation System , single capacity open platform, cooling core included, purple , 1 system
BCS-513	Cooling Workstation , single capacity, open platform holder, purple , 1 holder
BCS-511	Cooling Workstation Cooling Core , 0.5°C to 4°C, blue

Cooling Workstation, Single Capacity or Double Capacity System

Keep sample tubes or plates cold for over 16 hours with the lid on, and over 10 hours with the lid off. Use optional Cooling Workstation Freezing Core to maintain frozen samples for over 8 hours. Dry ice may be used in place of the cores to create a compact snap freezing workstation.



Cooling Workstation, Single Capacity

Includes: Cooling Workstation, Single Capacity base, collar, lid and (1) Cooling Workstation Cooling Core for 0.5° to 4°C cooling.



Cooling Workstation, Double Capacity

Includes: Cooling Workstation, Double Capacity base, collar, lid and (2) Cooling Workstation Cooling Core for 0.5° to 4°C cooling.

Ordering Information

BCS-502	Cooling Workstation , single capacity, cooling core included, purple
BCS-502G	Cooling Workstation , single capacity, cooling core included, green
BCS-502O	Cooling Workstation , single capacity, cooling core included, orange
BCS-502PK	Cooling Workstation , single capacity, cooling core included, pink
BCS-502-F	Cooling Workstation , single capacity, freezing core included, purple

* Internal height of open space when core is in the base.

Ordering Information

BCS-503	Cooling Workstation , double capacity, cooling core included, purple
BCS-503G	Cooling Workstation , double capacity, cooling core included, green
BCS-503O	Cooling Workstation , double capacity, cooling core included, orange
BCS-503PK	Cooling Workstation , double capacity, cooling core included, pink
BCS-503-F	Cooling Workstation , double capacity, freezing core included, purple

* Internal height of open space when core is in the base.

Optional Accessories

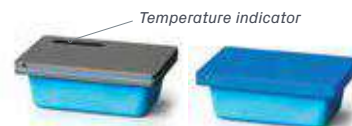


Cooling Workstation Single Capacity and Cooling Workstation Double Capacity Extension Collar

For use with Cooling Workstation Single Capacity and Cooling Workstation Double Capacity systems to accommodate tall tube modules. The collar is magnetized and easily adheres to the unit base.

Ordering Information

BCS-502-C	Cooling Workstation Extension Collar, for Cooling Workstation, purple
BCS-502-CG	Cooling Workstation Extension Collar, for Cooling Workstation, green
BCS-502-CO	Cooling Workstation Extension Collar, for Cooling Workstation, orange
BCS-502-CPK	Cooling Workstation Extension Collar, for Cooling Workstation, pink
BCS-503-C	Cooling Workstation Extension Collar, for Cooling Workstation Large, purple
BCS-503-CG	Cooling Workstation Extension Collar, for Cooling Workstation Large, green
BCS-503-CO	Cooling Workstation Extension Collar, for Cooling Workstation Large, orange
BCS-503-CPK	Cooling Workstation Extension Collar, for Cooling Workstation Large, pink



Cooling Workstation Cores

Keep additional cooling or freezing cores in the freezer for flexibility and extended duration. Cooling Workstation Cooling Core features a 1 to 8°C temperature indicator. Both cooling and freezing cores feature a thermo-conductive surface for uniform temperature distribution.

Ordering Information

BCS-511	Cooling Workstation Cooling Core, 0.5°C to 4°C, blue
BCS-512	Cooling Workstation Freezing Core, below 0°C, blue

Cooling Workstation for use with Smaller Thermoconductive Tube Rack

Keeps tubes cold (0.5° to 4.0°C) for up to 10 hours. Use the optional freezing cartridge to maintain frozen samples below 0°C for up to 6 hours.



Cooling Workstation for use with Smaller Thermoconductive Tube Rack

Includes: Cooling Workstation for use with Smaller Thermoconductive Tube Rack base and lid, blue cooling cartridge.



Cooling Workstation Cartridges

Ordering Information

BCS-130	Cooling Workstation, single capacity, for use with smaller thermo-conductive tube racks (that hold 15 or 30 tubes), cooling cartridge included, purple
Cooling Workstation Cartridges	
BCS-132	Cooling Workstation Cooling Cartridge, for use with BCS-130, 3 pack, blue
BCS-131	Cooling Workstation Freezing Cartridge, for use with BCS-130, 3 pack, green

* Internal height of open space when core is in the base.

Popular Pre-assembled Configurations

Cooling Workstation Open Platform, Single Capacity PCR Cooling Systems, pre-assembled



Ordering Information

BCS-556	Cooling Workstation System, pre-assembled open-platform, for use with PCR plates, includes 1 x BCS-504 (Cooling Workstation System) and 1 x BCS-529 (Thermoconductive Tube Rack), purple
BCS-557	Cooling Workstation System, pre-assembled open-platform, for use with PCR strip wells, includes 1 x BCS-504 (Cooling Workstation System) and 1 x BCS-523 (Thermoconductive Tube Rack), purple

Cooling Workstation Single Capacity and Cooling Workstation Double Capacity Systems, pre-assembled



Ordering Information

BCS-576	Cooling Workstation System, pre-assembled for use with 24 microtubes, includes 1 x BCS-502 (Cooling Workstation) and 1 x BCS-535 (Thermoconductive Tube Rack), purple
BCS-575	Cooling Workstation System, pre-assembled for use with 24 cryo tubes, includes 1 x BCS-502 (Cooling Workstation) and 1 x BCS-534 (Thermoconductive Tube Rack), purple
BCS-570	Cooling Workstation System, pre-assembled for use with PCR plates, includes 1 x BCS-502 (Cooling Workstation) and 1 x BCS-529 (Thermoconductive Tube Rack), purple
BCS-572	Cooling Workstation System, pre-assembled for use with PCR strip wells, includes 1 x BCS-502 (Cooling Workstation) and 1 x BCS-523 (Thermoconductive Tube Rack), purple
BCS-573	Cooling Workstation System, pre-assembled for use with PCR plates, includes 1 x BCS-503 (Cooling Workstation), 1 x BCS-529 and 1 x BCS-535 (Thermoconductive Tube Rack), purple

Cooling Workstation for use with Smaller Thermoconductive Tube Rack Systems, pre-assembled



Ordering Information

BCS-133	Cooling Workstation System, pre-assembled for use with microcentrifuge tubes, 1 x BCS-130 (Cooling Workstation) and 1 x BCS-108 (Thermoconductive Tube Rack) included, purple
BCS-166	Cooling Workstation System, pre-assembled for use with cryogenic vials and FACS tube modules, 1 x BCS-130 (Cooling Workstation) and 1 x BCS-138 (Thermoconductive Tube Rack) included, purple

Thermoconductive Tube Racks



Thermoconductive Tube Racks



Thermoconductive tube modules eliminate variability which originates from tubes placed directly into ice, dry ice, alcohol baths, water baths and other temperature sources. Place the Thermoconductive Tube Rack module directly onto a temperature source between -196°C to $>100^{\circ}\text{C}$ and it will rapidly adapt to that temperature. Thermoconductive Tube Rack modules ensure $\pm 0.1^{\circ}\text{C}$ temperature uniformity across all tubes when cooling, snap freezing, heating or thawing. Suggested applications include cooling reagents such as restriction enzymes, dNTPs and antibodies, alcohol-free dry ice snap freezing of tissue, virus and bacteria samples and bench top cryogenic tube sorting in liquid nitrogen. All Thermoconductive Tube Rack modules may be autoclaved, high heat sterilized or decontaminated with bleach, alcohol or other disinfectants or lab detergents. Certain Thermoconductive Tube Rack modules are SBS-compatible.

Problem: Samples in Ice

- Non-uniform ice contact results in variable sample temperature
- Disorganized samples, wet labels
- Shifting, sinking tubes; contamination risk
- Non-reproducible method



Solution: Samples in Thermoconductive Tube Rack Module

- All samples $<4^{\circ}\text{C}$ and uniform in temperature ($\pm 0.1^{\circ}\text{C}$)
- Samples organized, secure and dry
- All tubes upright and indexed
- Reproducible method



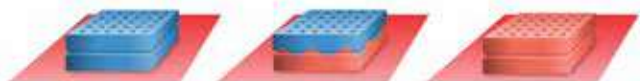
How It Works

Cooling



Thermoconductive Tube Rack on Ice: Heat from the relatively warmer Thermoconductive Tube Rack module is transferred to cooling source (wet or dry ice, cartridge, LN_2) until equilibrium is reached.

Heating



Thermoconductive Tube Rack in Water Bath: Heat is transferred from water bath toward relatively cooler Thermoconductive Tube Rack until equilibrium is reached.

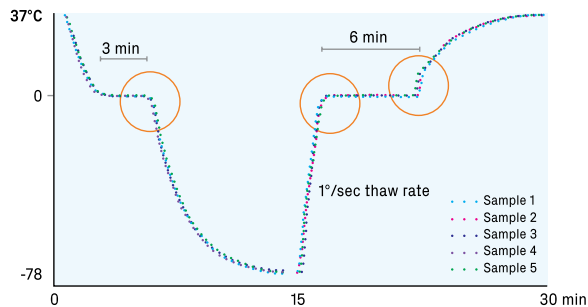


Thermoconductive Tube Racks and Sinks are precision-engineered sample modules manufactured from a novel thermo-conductive alloy material. Thermoconductivity is the transfer of heat energy from a higher temperature region to a lower temperature region. Tube Rack modules evenly distribute the temperature across all wells providing very uniform and consistent temperature to all samples ($\pm 0.1^{\circ}\text{C}$).



Thermoconductive Tube Racks

Thermoconductive Tube Rack Reproducibility



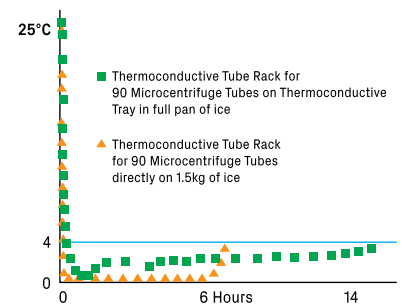
Performance test: A temperature probe was placed into a 2.0 mL cryogenic vial containing 1.0 mL of water. The tube was inserted into a Thermoconductive Tube Rack for 45 Cryo or FACS Tubes module. The module was placed onto a Thermoconductive Tray platform in a 37°C water bath and allowed to equilibrate. The Tube Rack for 45 Cryo or FACS Tubes module was then removed and placed onto dry ice and equilibrated to -78°C (0 - 15 minutes) and then returned to the water bath to re-equilibrate to 37°C (15 - 30 minutes). This experiment was repeated five consecutive times and temperature profiles were recorded.

Conclusion: The Thermoconductive Tube Rack for 45 Cryo or FACS Tubes module showed identical cooling profiles and phase transition (orange circles) over five consecutive freeze-thaw cycles.

Thermoconductive Tube Rack Versatility and Performance

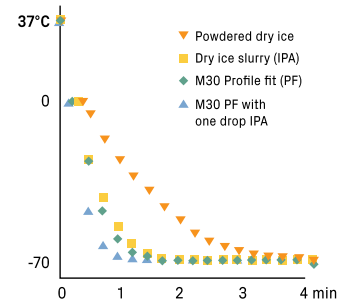
On Ice

- Adapts from ambient (25°C) to <4°C in 60-90 seconds*
- Samples and labels stay dry, organized
- Hours of ice cooling without direct ice contact
- Reproducible method



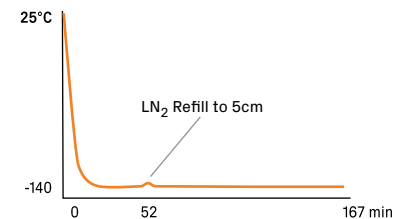
On Dry Ice

- Adapts from ambient (25°C) to -78°C in approximately 5-7 minutes*
- Eliminates ethanol from snap freezing
- Samples are upright and organized as they freeze
- Equal or better freezing rate as compared to direct immersion into dry ice or alcohol slurry
- Reproducible method



In Liquid Nitrogen (LN₂)

- Adapts from ambient (25°C) to approximately -150°C in approximately 12-14 minutes*
- Vapor barrier protects from ambient air
- Samples are upright and organized as they freeze
- No direct contact between samples and LN₂
- Reproducible method



With Heat Sources

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



* Average cooling rate from room temperature



AZENTA
LIFE SCIENCES

Thermoconductive Tube Rack Modules

Thermoconductive Tube Racks for Microcentrifuge Tubes



Ordering Information

BCS-163	Thermoconductive Tube Rack, holds 6 x 1.5 or 2ml microcentrifuge tubes, cylindrical wells, gray
BCS-165	Thermoconductive Tube Rack, holds 6 x 1.5 or 2ml microcentrifuge tubes, cylindrical wells, orange
BCS-164	Thermoconductive Tube Rack, holds 6 x 1.5 or 2ml microcentrifuge tubes, cylindrical wells, green
BCS-125	Thermoconductive Tube Rack, holds 15 x 1.5 or 2ml microcentrifuge tubes, cylindrical wells, gray
BCS-125G	Thermoconductive Tube Rack, holds 15 x 1.5 or 2ml microcentrifuge tubes, cylindrical wells, green
BCS-125O	Thermoconductive Tube Rack, holds 15 x 1.5 or 2ml microcentrifuge tubes, cylindrical wells, orange
BCS-127	Thermoconductive Tube Rack, holds 15 x 1.5 conical tubes, conical wells, gray
BCS-535	Thermoconductive Tube Rack, holds 24 x 1.5 or 2ml microcentrifuge tubes, cylindrical wells, SBS compatible, gray*
BCS-539	Thermoconductive Tube Rack, holds 12 x 5ml microcentrifuge tubes, conical wells, SBS compatible, gray*
BCS-108	Thermoconductive Tube Rack, holds 30 x 1.5 or 2ml microcentrifuge tubes, cylindrical wells, gray
BCS-108G	Thermoconductive Tube Rack, holds 30 x 1.5 or 2ml microcentrifuge tubes, cylindrical wells, green
BCS-108O	Thermoconductive Tube Rack, holds 30 x 1.5 or 2ml microcentrifuge tubes, cylindrical wells, orange
BCS-128	Thermoconductive Tube Rack, holds 30 x 1.5 conical tubes, conical wells, gray
BCS-137	Thermoconductive Tube Rack, holds 30 x 500ul microcentrifuge tubes, conical wells, gray
BCS-102	Thermoconductive Tube Rack, holds 90 x 1.5 or 2ml microcentrifuge tubes, cylindrical wells, gray
BCS-116	Thermoconductive Tube Rack, holds 96 x 1.5 or 2ml microcentrifuge tubes, cylindrical wells, SBS compatible, row and column indexing, gray**

* SBS-compatible ** Thermoconductive Tube Rack for 96 Microcentrifuge Tubes has A-H and 1-12 row and column indexing

Thermoconductive Tube Racks for Cryo or FACS Tubes



Ordering Information

BCS-126	Thermoconductive Tube Rack, holds 15 cryo tubes or FACS tube modules, cylindrical wells, gray
BCS-534	Thermoconductive Tube Rack, holds 24 cryo tubes or FACS tube modules, cylindrical "gripping" wells for one-hand opening/closing vials, SBS compatible, gray**
BCS-138	Thermoconductive Tube Rack, holds 30 cryo tubes or FACS tube modules, cylindrical "gripping" wells for one-hand opening/closing vials, gray†
BCS-105	Thermoconductive Tube Rack, holds 45 cryo tubes or FACS tube modules, cylindrical wells, gray

* SBS-compatible † "gripping" wells for one-hand vial opening/closing

Thermoconductive Tube Racks

Thermoconductive Tube Racks for PCR Plate, Strip Well or Tubes



Ordering Information

BCS-529	Thermoconductive Tube Rack, holds one 96-well PCR plate, 12 x strip wells or 96 tubes, tapered wells, SBS compatible, gray*
BCS-523	Thermoconductive Tube Rack, holds 6 strips wells and 12 x 1.5 or 2ml microcentrifuge tubes, 48 tapered wells for strips and 12 cylindrical wells, SBS compatible, gray*
BCS-538	Thermoconductive Tube Rack, holds one 384-well PCR plate, tapered wells, SBS compatible, gray*

*SBS-compatible

Thermoconductive Tube Racks for 96-Well 2D Coded Storage Tubes



Ordering Information

BCS-231	Thermoconductive Tube Rack, holds 96 x 0.5ml 2D storage tubes, cylindrical wells, gray
BCS-149	Thermoconductive Tube Rack, holds 96 x 1ml 2D storage tubes, cylindrical wells, gray

Thermoconductive Tube Racks for Cell Therapy Injectable Ampules



Ordering Information

BCS-266	Thermoconductive Tube Rack, holds 12 x 10ml injectable cell therapy ampules, cylindrical wells, gray
BCS-265	Thermoconductive Tube Rack, holds 12 x 2ml injectable cell therapy ampules, cylindrical wells, gray

Tall Tube Modules

Thermoconductive Tube Racks for 15mL, 50mL and 250mL Centrifuge Tubes



Ordering Information

BCS-232	Thermoconductive Tube Rack, holds 12 x 15ml centrifuge tubes, cylindrical wells, with thermoconductive base and insulative exterior, purple*
BCS-153	Thermoconductive Tube Rack, holds 9 x 15ml centrifuge tubes, cylindrical wells, gray
BCS-154	Thermoconductive Tube Rack, holds 4 x 50ml centrifuge tubes, cylindrical wells, gray
BCS-532	Thermoconductive Tube Rack, holds one 250ml centrifuge tube, conical well, gray
BCS-533	Thermoconductive Tube Rack, holds one 250ml centrifuge tube, cylindrical well, gray

* Thermo-conductive base and insulative exterior

Thermoconductive Tube Rack for Blood Collection Tubes



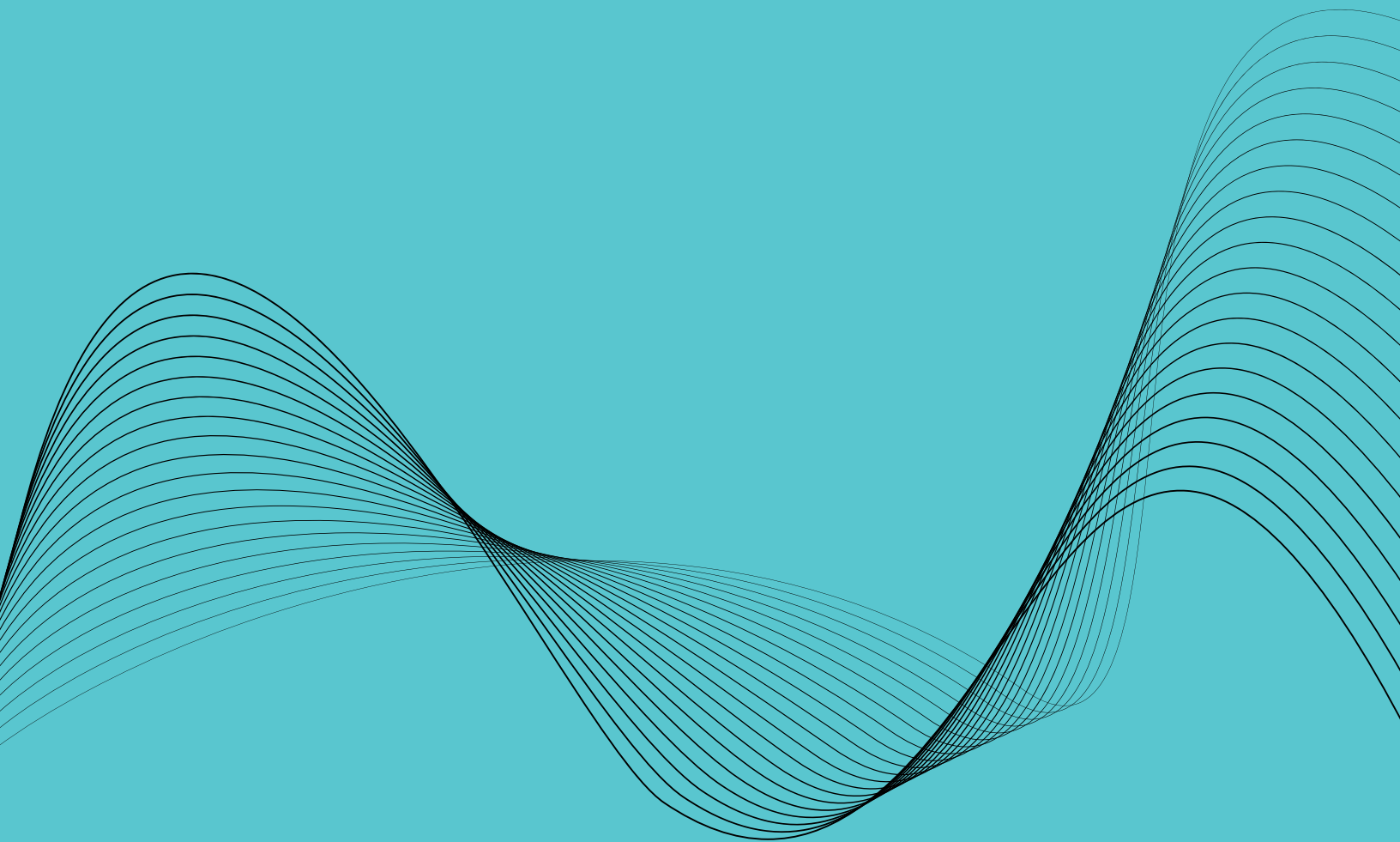
Ordering Information

BCS-235	Thermoconductive Tube Rack, holds 12 x13mm or 16mm blood tubes, cylindrical wells, with thermoconductive base and insulative exterior, purple
BCS-157	Thermoconductive Tube Rack, holds 9 13x75mm blood tubes, cylindrical wells, gray
BCS-155	Thermoconductive Tube Rack, holds 9 13x100mm blood tubes, cylindrical wells, gray
BCS-156	Thermoconductive Tube Rack, holds 9 16x100mm blood tubes, cylindrical wells, gray

* Thermo-conductive base and insulative exterior

Thermoconductive Sinks and Trays





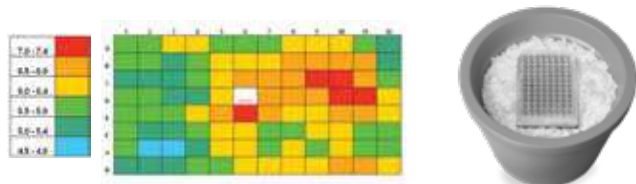
AZENTA
LIFE SCIENCES

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 $>+100^{\circ}\text{C}$. 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.

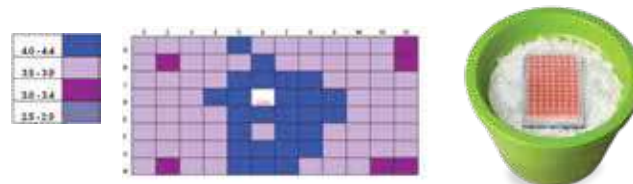


Plate and Reservoir Modules

Thermoconductive Sink, SBS-Compatible Plate Modules



Thermoconductive Sink for use with 55mL Reagent Reservoirs



Ordering Information

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

Ordering Information

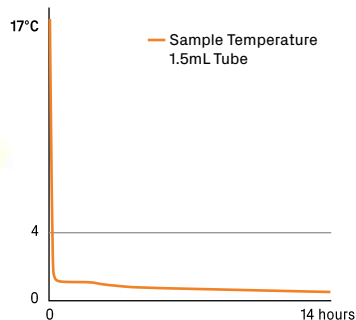
BCS-184	Thermoconductive Sink, for use with 55ml reagent reservoirs, gray
----------------	---

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.

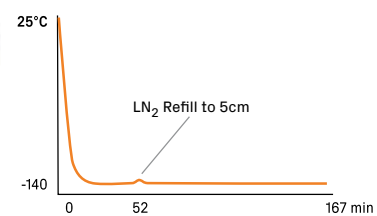
In Ice

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

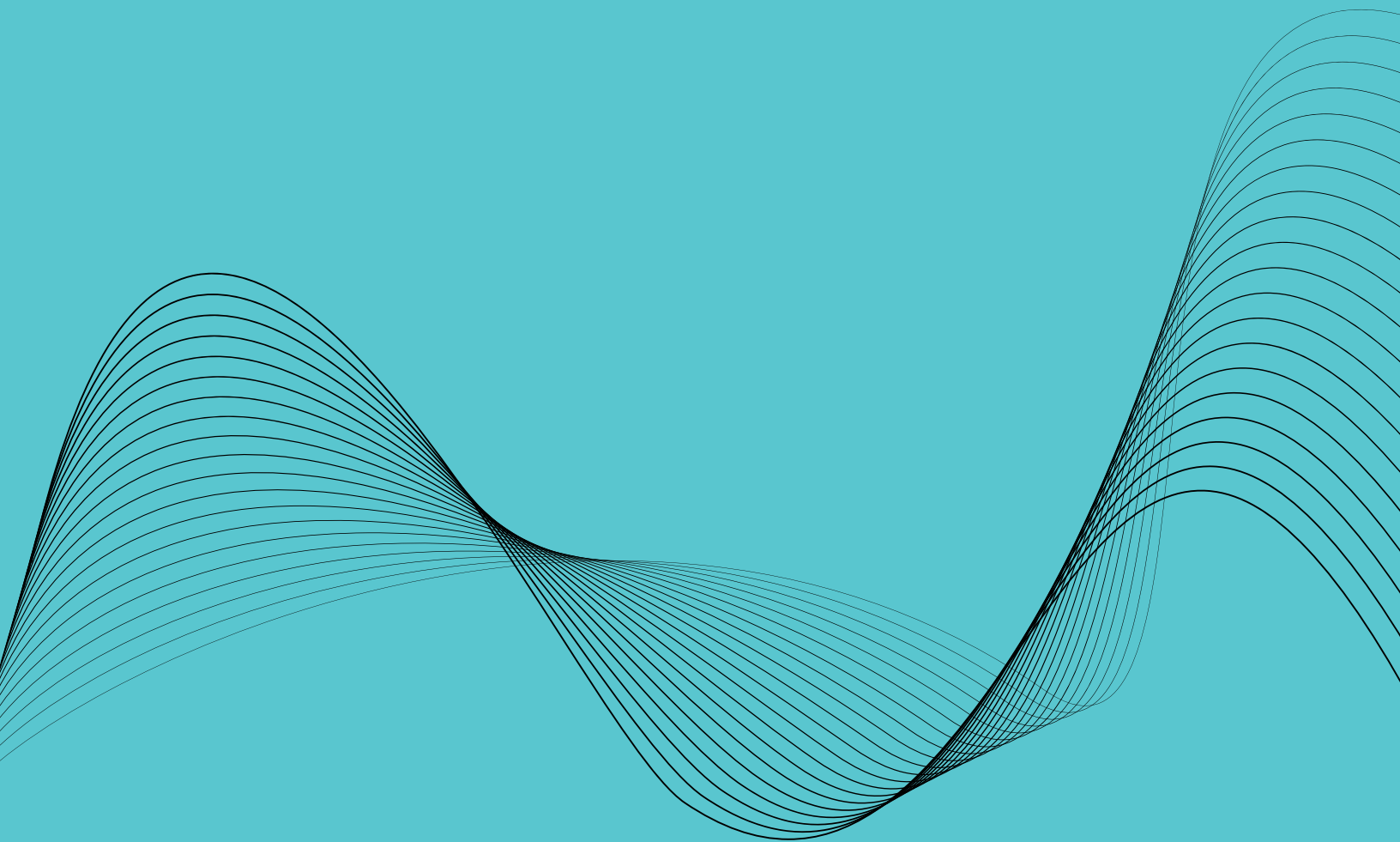
BCS-252	Thermoconductive Tray, slim with low-profile, for use in 9L ice pan with LN2, gray
BCS-123	Thermoconductive Tray, with low-profile, for use in 9L ice pan with crushed ice, gray
BCS-104	Thermoconductive Tray, with high-profile, for use in water bath, gray

With Heat Sources

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

* Average cooling rate from room temperature

Accessories



Accessories

Ice Pans

Non-toxic, recyclable ethyl-vinyl acetate (EVA) foam containers for use with ice, dry ice, liquid nitrogen, alcohol slurries. Will not sweat, leak or skid on bench.



Ordering Information

	Ice Pan without Lid, Square 1L
BCS-211PL	Ice Pan, without Lid, square, 1L, purple
BCS-211GR	Ice Pan, without Lid, square, 1L, lime green
BCS-211OR	Ice Pan, without Lid, square, 1L, orange
BCS-211PK	Ice Pan, without Lid, square, 1L, pink
BCS-211B	Ice Pan, without Lid, square, 1L, blue
BCS-211	Ice Pan, without Lid, square, 1L, green
BCS-212	Ice Pan, without Lid, square, 1L, red
	Ice Pan without Lid, Rectangle 4L
BCS-113PL	Ice Pan, without Lid, rectangle, 4L, purple
BCS-113GR	Ice Pan, without Lid, rectangle, 4L, lime green
BCS-113OR	Ice Pan, without Lid, rectangle, 4L, orange
BCS-113PK	Ice Pan, without Lid, rectangle, 4L, pink
BCS-113B	Ice Pan, without Lid, rectangle, 4L, blue
BCS-113	Ice Pan, without Lid, rectangle, 4L, green
BCS-114	Ice Pan, without Lid, rectangle, 4L, red
	Ice Pan with Lid, Rectangle 4L
BCS-117PL	Ice Pan, with Lid, rectangle, 4L, purple
BCS-117GR	Ice Pan, with Lid, rectangle, 4L, lime green
BCS-117OR	Ice Pan, with Lid, rectangle, 4L, orange
BCS-117PK	Ice Pan, with Lid, rectangle, 4L, pink
BCS-117B	Ice Pan, with Lid, rectangle, 4L, blue

	Ice Pan without Lid, Rectangle 9L
BCS-111PL	Ice Pan, without Lid, rectangle, 9L, purple
BCS-111GR	Ice Pan, without Lid, rectangle, 9L, lime green
BCS-111OR	Ice Pan, without Lid, rectangle, 9L, orange
BCS-111PK	Ice Pan, without Lid, rectangle, 9L, pink
BCS-111B	Ice Pan, without Lid, rectangle, 9L, blue
BCS-111	Ice Pan, without Lid, rectangle, 9L, green
BCS-112	Ice Pan, without Lid, rectangle, 9L, red
	Ice Pan with Lid, Rectangle 9L
BCS-118PL	Ice Pan, with Lid, rectangle, 9L, purple
BCS-118GR	Ice Pan, with Lid, rectangle, 9L, lime green
BCS-118B	Ice Pan, with Lid, rectangle, 9L, blue
	Ice Pan with Lid, Round 2.5L
BCS-115-25PL	Ice Bucket, with Lid, round, 2.5L, purple
BCS-115-25GR	Ice Bucket, with Lid, round, 2.5L, lime green
BCS-115-25OR	Ice Bucket, with Lid, round, 2.5L, orange
BCS-115-25PK	Ice Bucket, with Lid, round, 2.5L, pink
BCS-115-25B	Ice Bucket, with Lid, round, 2.5L, blue
BCS-115-25G	Ice Bucket, with Lid, round, 2.5L, green
BCS-115-25R	Ice Bucket, with Lid, round, 2.5L, red
	Ice Pan with Lid, Round 4L
BCS-115PL	Ice Bucket, with Lid, round, 4L, purple
BCS-115GR	Ice Bucket, with Lid, round, 4L, lime green
BCS-115OR	Ice Bucket, with Lid, round, 4L, orange
BCS-115PK	Ice Bucket, with Lid, round, 4L, pink
BCS-115B	Ice Bucket, with Lid, round, 4L, blue
BCS-115	Ice Bucket, with Lid, round, 4L, green
BCS-115R	Ice Bucket, with Lid, round, 4L, red



Hinged CryoBoxes

Patented hinged lid offers convenience and archival integrity, ensuring markings and vials remain in sync. Lid stays attached to base minimizing risk of separation and lid contamination. Lid is easy to open when frozen. Available in 9x9, 10x10, and vapor phase LN₂ compatible formats. Plastic 81-place grid has adjustable slats to accommodate multiple vial types. 2-inch box holds 1.0 mL or 2.0 mL cryogenic vials and microcentrifuge tubes. 3.5-inch box holds 3.0 mL to 5.0 mL cryogenic vials.

Hinged cryoboxes can be customized to suit various requirements. Options include new colors, logos, designs, grid sizes and additional components.



Ordering Information

Hinged CryoBox 2 Inch, 81-Place	
BCS-206	Cryobox, 2-inch cryobox, hinged, adjustable plastic grid, 81-place, white , 5 per case
BCS-206B	Cryobox, 2-inch cryobox, hinged, adjustable plastic grid, 81-place, blue , 5 per case
BCS-206G	Cryobox, 2-inch cryobox, hinged, adjustable plastic grid, 81-place, green , 5 per case
BCS-206O	Cryobox, 2-inch cryobox, hinged, adjustable plastic grid, 81-place, orange , 5 per case
BCS-206P	Cryobox, 2-inch cryobox, hinged, adjustable plastic grid, 81-place, purple , 5 per case
BCS-206PK	Cryobox, 2-inch cryobox, hinged, adjustable plastic grid, 81-place, pink , 5 per case
BCS-206MC	Cryobox, 2-inch cryobox, hinged, adjustable plastic grid, 81-place, multipack, no white , 5 per case
BCS-207	Cryobox, 2-inch cryobox, hinged, adjustable plastic grid, 81-place, white , 50 per case
BCS-207B	Cryobox, 2-inch cryobox, hinged, adjustable plastic grid, 81-place, blue , 50 per case
BCS-207G	Cryobox, 2-inch cryobox, hinged, adjustable plastic grid, 81-place, green , 50 per case
BCS-207O	Cryobox, 2-inch cryobox, hinged, adjustable plastic grid, 81-place, orange , 50 per case
BCS-207P	Cryobox, 2-inch cryobox, hinged, adjustable plastic grid, 81-place, purple , 50 per case
BCS-207PK	Cryobox, 2-inch cryobox, hinged, adjustable plastic grid, 81-place, pink , 50 per case

Hinged CryoBox 2 Inch, 100-Place	
BCS-209G	Cryobox, 2-inch cryobox, hinged, adjustable plastic grid, 100-place, green , 5 per case
BCS-209P	Cryobox, 2-inch cryobox, hinged, adjustable plastic grid, 100-place, purple , 5 per case
BCS-220G	Cryobox, 2-inch cryobox, hinged, adjustable plastic grid, 100-place, green , 50 per case
BCS-220P	Cryobox, 2-inch cryobox, hinged, adjustable plastic grid, 100-place, purple , 50 per case
Hinged CryoBox 3.5in, 81-Place	
BCS-215G	Cryobox, 3.5-inch cryobox, hinged, adjustable plastic grid, 81-place, green , 6 per case
BCS-215P	Cryobox, 3.5-inch cryobox, hinged, adjustable plastic grid, 81-place, purple , 6 per case
BCS-219G	Cryobox, 3.5-inch cryobox, hinged, adjustable plastic grid, 81-place, green , 30 per case
BCS-219P	Cryobox, 3.5-inch cryobox, hinged, adjustable plastic grid, 81-place, purple , 30 per case
Hinged CryoBox 2 Inch, 81-Place, With Drain Holes	
BCS-217G	Cryobox, 2-inch cryobox, hinged, adjustable plastic grid, 81-place, LN2 drain holes, green , 5 per case
BCS-217P	Cryobox, 2-inch cryobox, hinged, adjustable plastic grid, 81-place, LN2 drain holes, purple , 5 per case
BCS-221G	Cryobox, 2-inch cryobox, hinged, adjustable plastic grid, 81-place, LN2 drain holes, green , 50 per case
BCS-221P	Cryobox, 2-inch cryobox, hinged, adjustable plastic grid, 81-place, LN2 drain holes, purple , 50 per case



Thermoconductive Tube Module Temperature Strips



Adhesive temperature display shows the temperature of a surface with 1°C resolution. Ideal for placement on Thermoconductive Tube Rack, Sink and Tray modules.

Ordering Information

BCS-143	Thermoconductive Tube Module Temperature Strips, 1°-8°C, 3pk.
----------------	---

Thermoconductive Tube Module Sleeves



Ordering Information

BCS-205	Thermoconductive Tube Module Sleeves, 4pk
----------------	---

Cryo Tube Grippers



Cryo Tube Grippers feature a unique design to grasp internal- or external-thread cryogenic vials. Easily sort or move vials while maintaining sterility and protecting fingers from frozen vials, dry ice and liquid nitrogen. 5 per pack.

Ordering Information

BCS-213MC	Cryo Tube Grippers, multi-color, 5 per case
------------------	---

Cryo Tube Locking Racks



Cryo Tube Locking Racks feature a locking mechanism that allow one-hand opening for self-standing cryogenic vials. Accommodates both round bottom and self-standing vial formats. Racks have A - J and 1 - 5 row and column indexing for easy organization. Autoclavable. 5 per pack.

Ordering Information

BCS-222	Cryo Tube Locking Racks, multi-pack, 5 per case
----------------	---

1D-coded Cryo Tubes

Leak-proof, auto-cap cryogenic tubes are ideal for cell culture and biobanking. The screw cap features a co-molded thermally-fused gasket which prevents leaking, slipping and risk of contamination. The gasket is 95kPa certified to provide a leak-proof seal. The star socket on cap top is compatible with auto-decapping equipment. Each vial is individually barcoded with a unique identifier that can be read with common barcode readers. Recommended for storage down to vapor phase liquid nitrogen but not suitable for use directly in LN₂. 500 per case.



Internal Threads

External Threads

Ordering Information

1.0ml - 5ml 1D-coded Cryo Tube, Internal Thread	
BCS-2510	1ml 1D-coded Cryo Tube, Internal Thread, self-standing, 500 tubes per case
BCS-2511	2ml 1D-coded Cryo Tube, Internal Thread, self-standing, 500 tubes per case
BCS-2512	2ml 1D-coded Cryo Tube, Internal Thread, round-bottom, 500 tubes per case
BCS-2513	4ml 1D-coded Cryo Tube, Internal Thread, round-bottom, 500 tubes per case
BCS-2514	4ml 1D-coded Cryo Tube, Internal Thread, self-standing, 500 tubes per case
BCS-2515	5ml 1D-coded Cryo Tube, Internal Thread, round-bottom, 500 tubes per case
BCS-2516	5ml 1D-coded Cryo Tube, Internal Thread, self-standing, 500 tubes per case

1.0ml - 5ml 1D-coded Cryo Tube, External Thread	
BCS-2517	1ml 1D-coded Cryo Tube, Internal Thread, self-standing, 500 tubes per case
BCS-2501	2ml 1D-coded Cryo Tube, External Thread, round-bottom, 500 tubes per case
BCS-2502	2ml 1D-coded Cryo Tube, External Thread, self-standing, 500 tubes per case
BCS-2503	3ml 1D-coded Cryo Tube, External Thread, self-standing, 500 tubes per case
BCS-2504	4ml 1D-coded Cryo Tube, External Thread, self-standing, 500 tubes per case
BCS-2505	5ml 1D-coded Cryo Tube, External Thread, self-standing, 500 tubes per case

Cryo Tubes Cap Inserts

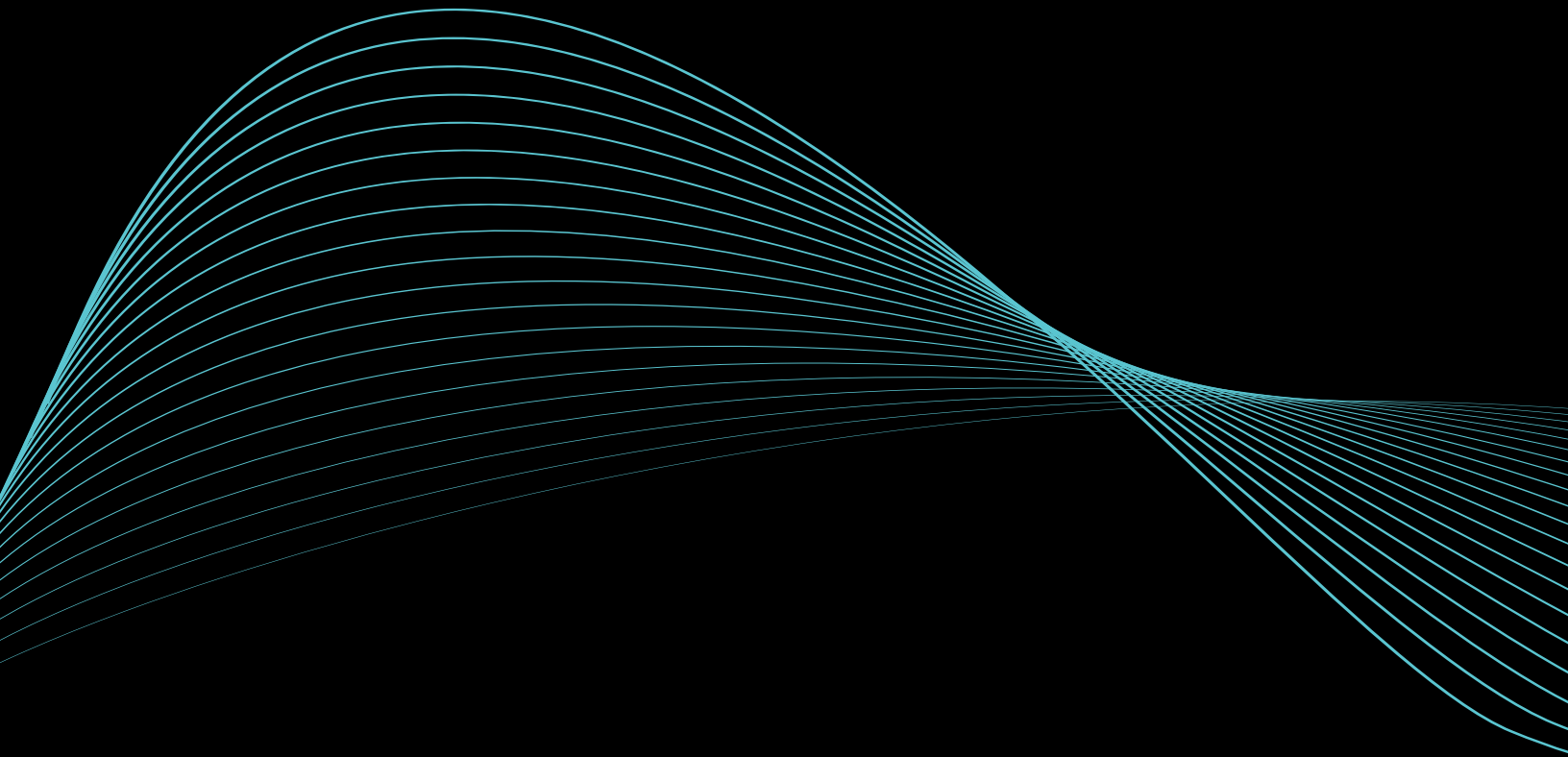
Inserts for auto caps. 1,000 per pack.

Caps designed to color code tubes. Ideal for labeling different specimen tubes and cataloging sample inventory.

Ordering Information

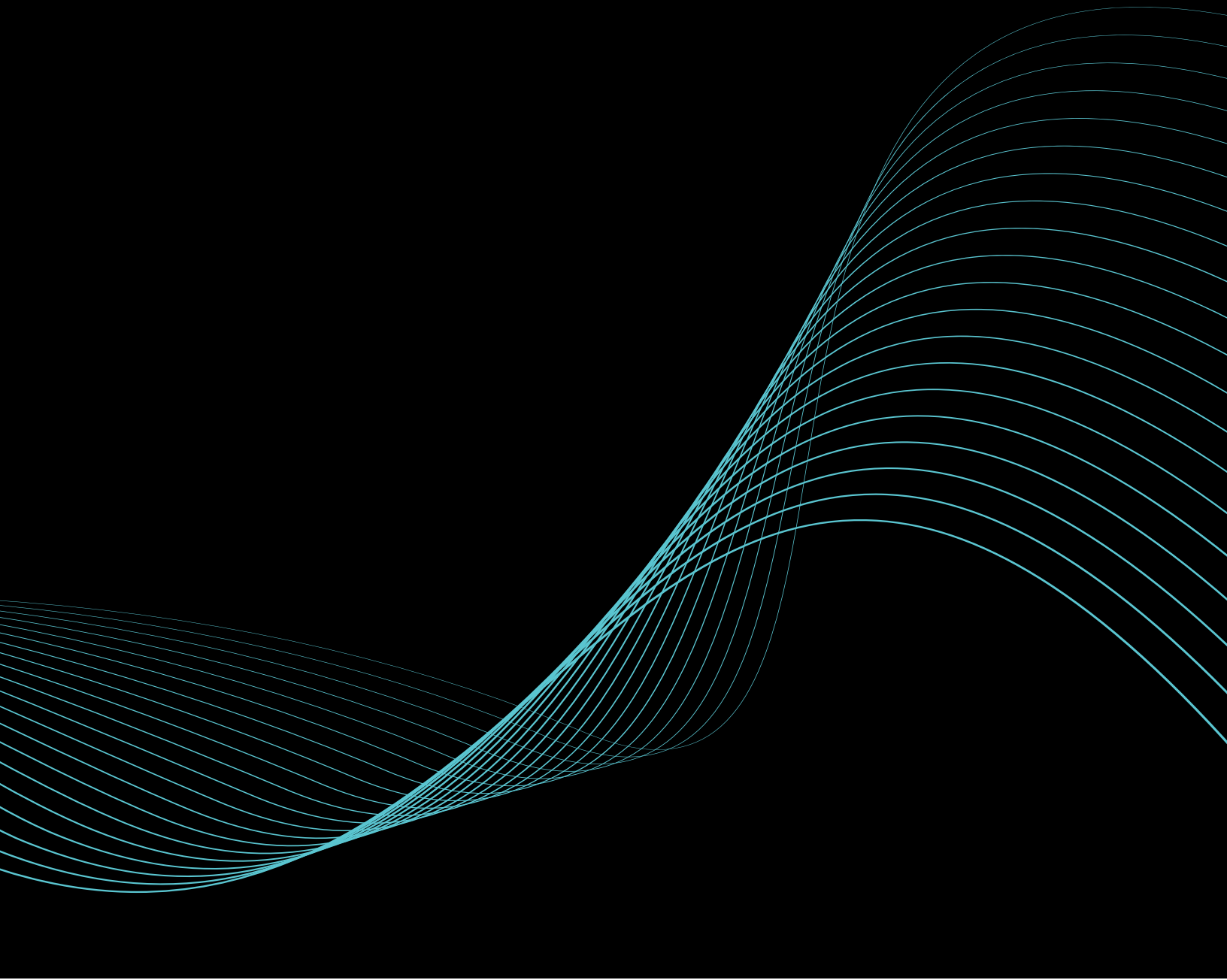
BCS-2436	Cryo Tube Cap Insert, violet, 1000 inserts per case
BCS-2432	Cryo Tube Cap Insert, pink, 1000 inserts per case
BCS-2431	Cryo Tube Cap Insert, green, 1000 inserts per case
BCS-2434	Cryo Tube Cap Insert, yellow, 1000 inserts per case
BCS-2435	Cryo Tube Cap Insert, white, 1000 inserts per case
BCS-2433	Cryo Tube Cap Insert, red, 1000 inserts per case
BCS-2438	Cryo Tube Cap Insert, gray, 1000 inserts per case
BCS-2430	Cryo Tube Cap Insert, blue, 1000 inserts per case
BCS-2437	Cryo Tube Cap Insert, orange, 1000 inserts per case





AZENTA
LIFE SCIENCES

Index



Part Number Index

Part No.	Page
4ti-0110	196, 198, 279
4ti-0116	198
4ti-0117	198
4ti-0120	196, 198, 279
4ti-0124	197, 279
4ti-0125	197, 279
4ti-0126	195
4ti-0130	196
4ti-0131	199
4ti-0132	195
4ti-0133	199
4ti-0135	196, 279
4ti-0136	195
4ti-0137	195, 279
4ti-0138	196, 198, 279
4ti-0139	194, 279
4ti-0147	194
4ti-0150	201
4ti-0151	200
4ti-0152	202
4ti-0201	204
4ti-0203	204
4ti-0204	204
4ti-0205	204
4ti-0206	204
4ti-0214	207
4ti-0221	205
4ti-0223	205
4ti-0224	205
4ti-0225	205
4ti-0226	205
4ti-0234	208
4ti-0241	206
4ti-0243	206

Part No.	Page
4ti-0244	206
4ti-0245	206
4ti-0246	206
4ti-0254	212
4ti-0262	209
4ti-0263	210
4ti-0264	212
4ti-0273	210
4ti-0274	212
4ti-0280	204, 207, 212, 277
4ti-0281	204, 212, 277
4ti-0282	205, 210, 277
4ti-0283	205, 210, 277
4ti-0284	206, 209, 277
4ti-0285	277
4ti-0286	206, 209, 277
4ti-0287	128, 277
4ti-0288	277
4ti-0289	136, 277
4ti-0290	161, 208, 277
4ti-0291	278
4ti-0292	160
4ti-0370	160
4ti-0371	160
4ti-0372	161
4ti-0373	153, 161
4ti-0380	127
4ti-0380/C	127
4ti-0381	127
4ti-0382	127
4ti-0383	127
4ti-0384	125, 188, 190
4ti-0384/RIG	125
4ti-0385	125

Part No.	Page
4ti-0386	125
4ti-0387	125
4ti-0391	268
4ti-0398	216, 217, 223, 229, 230, 231, 232, 269
4ti-0500	256, 270
4ti-0500FL	260, 270
4ti-0502	256, 257, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268
4ti-0503	268
4ti-0510	266, 270
4ti-0512	261, 270
4ti-0516	204, 205, 206, 209, 210, 211, 264, 270
4ti-0517	265, 270
4ti-0519	267, 270
4ti-0520	220, 234
4ti-0520S	220, 234
4ti-0521	155, 220, 222, 234
4ti-0522	155, 220, 234
4ti-0522S	220, 234
4ti-0523	221, 234
4ti-0523S	221, 234
4ti-0524	221, 234
4ti-0524S	221, 234
4ti-0530	224, 234, 267
4ti-0530S	224, 234
4ti-0531	155, 224, 225, 234
4ti-0532	155, 224, 234
4ti-0532S	224, 234
4ti-0535	228, 234
4ti-0535S	228, 234
4ti-0536	228, 234
4ti-0537	228, 234
4ti-0537S	228, 234

Part Number Index

Part No.	Page	Part No.	Page	Part No.	Page
4ti-0538	226, 234	4ti-0586S	223, 234	4ti-0750/8/P	177
4ti-0538S	226, 234	4ti-0587	223, 234	4ti-0750/8/R	177
4ti-0539	155, 226, 227, 234	4ti-0590	230, 234	4ti-0750/8/Y	177
4ti-0539S	226, 234	4ti-0590S	230, 234	4ti-0750/16/B	177
4ti-0540	216, 232, 234	4ti-0591	230, 234	4ti-0750/16/G	177
4ti-0540S	216, 234	4ti-0592	230, 234	4ti-0750/16/P	177
4ti-0541	216, 232, 234	4ti-0592S	230, 234	4ti-0750/16/R	177
4ti-0542	216, 234	4ti-0597	231, 234	4ti-0750/16/Y	177
4ti-0542S	216, 234	4ti-0598	231, 234	4ti-0750/24/B	177
4ti-0545	229, 234	4ti-0598S	231, 234	4ti-0750/24/G	177
4ti-0545S	229, 234	4ti-0599	231, 234	4ti-0750/24/P	177
4ti-0546	229, 234	4ti-0599S	231, 234	4ti-0750/24/R	177
4ti-0547	229, 234	4ti-0640	239	4ti-0750/24/Y	177
4ti-0548	218, 234	4ti-0641	239	4ti-0750/32/B	177
4ti-0549	218, 234	4ti-0642	239	4ti-0750/32/G	177
4ti-0550	259, 270	4TI-0656	133	4ti-0750/32/P	177
4ti-0560	123, 126, 127, 131, 132, 258, 269, 270	4ti-0665	243	4ti-0750/32/R	177
4TI-0560	131, 132, 173	4ti-0680	105	4ti-0750/32/Y	177
4ti-0561	258, 270	4ti-0680-1	105	4ti-0750/48/B	177
4ti-0561S	258	4ti-0681	105	4ti-0750/48/G	177
4ti-0563	269	4ti-0683	105	4ti-0750/48/P	177
4ti-0565	128, 133, 134, 135, 257, 270	4ti-0684	105	4ti-0750/48/R	177
4TI-0565	129, 131	4ti-0685	105	4ti-0750/48/Y	177
4ti-0566	262, 263, 270	4ti-0686	105	4ti-0751	165, 275, 276
4ti-0573	217, 234	4ti-0688	105	4ti-0752	275
4ti-0573S	217, 234	4ti-0689	105	4ti-0753	155, 165, 166, 188, 190, 267
4ti-0574	217, 234	4ti-0710	123, 139, 188, 190	4ti-0754	165
4ti-0574S	217, 234	4ti-0711	139	4ti-0755	276
4ti-0575	217, 234	4ti-0720	140, 153, 188, 190	4ti-0757	166
4ti-0580	219, 234	4ti-0721	140	4ti-0760	172, 188, 190
4ti-0580S	219, 234	4ti-0730	134, 135, 188, 190	4ti-0761	172
4ti-0581	219, 234	4ti-0735	174, 188, 190	4ti-0770	119, 137, 188, 190
4ti-0582	219, 234	4ti-0736	174	4ti-0771	119, 137
4ti-0582S	219, 234	4ti-0740	171, 188, 190	4ti-0772	119, 137
4ti-0585	223, 234	4ti-0741	171	4ti-0775	159
4ti-0585S	223, 234	4ti-0750	175, 177, 185, 186, 188, 190	4ti-0778	280
4ti-0586	223, 234	4ti-0750/8/B	177	4ti-0780	178
		4ti-0750/8/G	177	4ti-0781	178, 188, 190, 275

Part Number Index

Part No.	Page	Part No.	Page	Part No.	Page
4ti-0782	178, 275	4ti-1001	145	46-6002-4	92
4ti-0783	178, 275	4ti-1200	145, 155, 188, 190	46-6002-5	92
4ti-0784	178	4ti-1201	145	46-6002-6	92
4ti-0785	158, 188, 190	4ti-1300	146, 188, 190	46-6002-7	92
4ti-0786	159, 188, 190	4ti-1381	170, 188, 190	46-6002-8	92
4ti-0788	275	4ti-1384	169, 188, 190	46-6002-9	92
4ti-0789	159	4ti-1385	169	46-6002-10	92
4ti-0790	181	4ti-1387	169	46-6002-11	92
4ti-0790/2D	181	4ti-1400	146, 155, 188, 190	46-6002-12	92
4ti-0792	179, 188, 190	4ti-05231	221, 234	46-6002-13	92
4ti-0793	179, 188, 190	4ti-05381	155, 226, 227, 234	46-6002-14	92
4ti-0794	179, 188, 190	4ti-05481	218, 234	46-6002-15	92
4ti-0795	181	4ti-LB0109	198	46-6002-16	92
4ti-0796	180, 188, 190	4ti-LB0125	197	46-6002-17	92
4ti-0900	138, 188, 190	4ti-LB0147	194	46-6002-18	92
4ti-0901	138	4ti-LB0384/RIG	125	46-6501	95
4ti-0910	133	4ti-LB0770	136, 137	46-6502	95
4TI-0910/C	133	4ti-LB0960	128, 129	46-6511	95
4ti-0911	133	4ti-OX730	135	46-6512	95
4ti-0912	133	4ti-OX770C/SBC	136, 137	46-6513	95
4ti-0950	131, 188, 190	4ti-OX960	128, 129	46-6521	95
4TI-0950/C	131	6.09.661	98	46-6601	95
4ti-0950W-F	166	6.09.663	98	46-6602	95
4ti-0951	131	6.09.664	98	46-6604	95
4TI-0951	131	10-5010	101	46-6605	95
4ti-0952	131	10-5020	101	46-6606	95
4ti-0953	131	20-2101-A	81	46-8010	97
4ti-0954	132, 188, 190	20-4013	85	46-8011	97
4TI-0954	132	20-4016	86	46-8012	97
4ti-0955	173, 188, 190	20-4018	84, 85	46-8014	97
4TI-0955	173	42-1001	98	46-8112	97
4ti-0960	128, 129, 149, 152, 155, 188, 190, 227	42-1003	98	46-9001	93
4TI-0960	129	46-2004-115V	98	46-9008	93
4ti-0961	129	46-2004-230V	98	46-9012	93
4ti-0966	129	46-6001	92	48-9013-01	93
4ti-0970	130, 150, 152	46-6002-1	92	48-9013-02	93
4ti-0975	152	46-6002-2	92	59-1000	155, 244
4ti-1000	145, 188, 190	46-6002-3	92	59-1001	244

Part Number Index

Part No.	Page	Part No.	Page	Part No.	Page
59-1002	244	65-7667	32	66-9455	35
59-1003	244	65-9303	23, 35	66-9951	67
59-1004	244	65-9451	32, 33	66-32033	60
59-2000	154, 155, 247	65-9460	34	66-32033-Y6	60
59-2001	155, 247	65-9801	67	66-32034	60
59-2002	247	65-54000	101	66-32034-L	60
59-2003	247	65-54001	101	66-32034-Y6	60
59-2004	247	65-54004	101	66-32034-Y6-L	60
59-2005	154, 155, 247	65-73000	66	66-32040	60
59-2006	247	65-73001	66	66-32040-Y6	60
59-2007	247	65-73002	66	66-32041	60
59-2008	247	65-73003	66	66-32041-Y6	60
59-2009	247	65-73004	66	66-32041-Y6-L	60
65-7514	23, 34	65-74000	66	66-32042	60
65-7515	23, 34	66-0196-01	15, 47	66-32042-L	60
65-7516	23, 34	66-0196-02	15	66-32043	60
65-7517	23, 34	66-0196-03	15	66-32043-L	60
65-7572	64	66-0700-00	59	66-32043-Y6	60
65-7573	64	66-0700-01	59	66-32043-Y6-L	60
65-7574	64	66-0700-02	59	66-32062	60
65-7575	64	66-0700-10	59	66-32062-Y6	60
65-7576	64	66-0700-11	59	66-32141	60
65-7577	64	66-0700-12	59	66-51003	60
65-7640	23, 33	66-1000-00	59	66-51004	29, 59, 60
65-7641	23, 33	66-1000-01	59	66-51014	60
65-7642	23, 33	66-1000-02	59	66-51016	47, 59, 60
65-7643	23, 33	66-1000-10	59	66-51017	60
65-7644	33	66-1000-11	59	66-51020	31
65-7645	33	66-1000-12	59	66-51021	30
65-7646	33	66-1001	233	66-51022	37
65-7647	33	66-1021	233	66-51023	38
65-7660	23, 32	66-1800	15, 33	66-51025	36
65-7661	23, 32	66-1801	15, 32	66-51026	29, 46, 59
65-7662	23, 32	66-1802	15	66-61002	44, 47, 59, 60
65-7663	23, 32	66-1803	15	66-61003	45, 60
65-7664	32	66-9302	23, 35	66-62318	23, 44
65-7665	32	66-9401	35, 54, 65, 67	66-62318-Y6	23, 44
65-7666	32	66-9402	54, 65	66-62319	23, 44

Part Number Index

Part No.	Page	Part No.	Page	Part No.	Page
66-62319-Y6	23, 44	67-0757-11	23, 38	68-1003-00	23, 31
66-62325	23, 43	67-63111-10	67	68-1003-01	23, 30, 31
66-62325-Y6	23, 43	67-63111-50	67	68-1003-10	23, 31
66-62326	23, 43	68-0300-20	42	68-1003-11	23, 31
66-62326-Y6	23, 43	68-0301-00	23	68-1004-00	31
66-62330	23, 45	68-0301-01	23	68-1004-01	31
66-62330-Y6	23, 45	68-0301-10	23	68-1004-10	31
66-62345	23, 45	68-0301-11	23	68-1004-11	31
66-62345-Y6	23, 45	68-0303-00	23, 42	68-4000-00	23, 54
66-63100-Y1	65	68-0303-01	23, 42	68-4000-22	54
66-63100-Y2	65	68-0303-10	23, 42	68-4000-31	23, 54
66-63100-Y3	65	68-0303-11	23, 42	68-4000-33	54
66-63100-Y4	65	68-0701-00	23, 46	68-53100-Z1N	64
66-63100-Y5	65	68-0701-02	23, 46	68-53100-Z2N	64
66-63100-Y6	65	68-0701-10	23, 46	68-53100-Z3N	64
66-63100-Y8	65	68-0701-11	46	68-53100-Z4N	64
66-63100-Y10	65	68-0701-12	23	68-53100-Z5N	64
66-63100-Y11	65	68-0703-00	23, 29	68-53100-Z6N	64
66-63100-Y12	65	68-0703-02	23, 29, 72	68-53100-Z8N	64
66-63100-Y13	65	68-0703-10	23, 29	68-53100-Z10N	64
67-0200-00	55	68-0703-11	29	68-53100-Z11N	64
67-0203-00	55	68-0703-12	23, 29	68-53100-Z12N	64
67-0203-01	23, 55	68-0704-00	29	68-53100-Z13N	64
67-0203-02	23, 55	68-0704-02	29	68-53111-10N	64, 67
67-0203-10	23, 55	68-0704-10	29	68-53111-10X	67
67-0203-11	23, 55	68-0704-12	29	68-53111-50N	64, 67
67-0203-51	55	68-0801-00	23, 30	68-53111-50X	67
67-0753-00	23, 36	68-0801-01	23, 30	69-0200-11	23
67-0753-02	23, 36	68-0801-10	23, 30	70-2010	, 81
67-0753-10	23, 36	68-0801-11	23, 30	70-4012	84, 85
67-0753-12	23, 36	68-0802-00	30	70-4013	86
67-0755-00	23, 37	68-0802-01	30	75-0001	103
67-0755-01	23, 37	68-0802-10	30	75-0101	103
67-0755-10	23, 37	68-0802-11	30	75-1001-A	103
67-0755-11	23, 37	68-1001-00	23, 47	75-1001-B	103
67-0757-00	23, 38	68-1001-01	23, 47	75-1001-C	103
67-0757-01	23, 38	68-1001-10	23, 47	75-1001-D	103
67-0757-10	23, 38	68-1001-11	23, 47	75-1001-E	103

Part Number Index

Part No.	Page	Part No.	Page	Part No.	Page
75-1001-F	103	BCS-112	314	BCS-130	301, 302
75-1001-G	103	BCS-113	314	BCS-131	301
75-1001-H	103	BCS-113B	314	BCS-132	301
75-1001-I	103	BCS-113GR	314	BCS-133	302
75-1001-J	103	BCS-113OR	314	BCS-137	298, 306
75-1013	103	BCS-113PK	314	BCS-138	298, 302, 306
75-9001	103	BCS-113PL	314	BCS-143	316
75-9900	103	BCS-114	314	BCS-149	298, 307
77-0006	103	BCS-115	314	BCS-153	299, 308
96-0001	106	BCS-115-25B	314	BCS-154	299, 308
96-0002	106	BCS-115-25G	314	BCS-155	299, 308
96-0003	106	BCS-115-25GR	314	BCS-156	299, 308
96-0004	106	BCS-115-25OR	314	BCS-157	299, 308
97-0001	106	BCS-115-25PK	314	BCS-163	298, 306
98-0001	106	BCS-115-25PL	314	BCS-164	306
98-0002	106	BCS-115-25R	314	BCS-165	306
98-0003	106	BCS-115B	314	BCS-166	302
98-0004	106	BCS-115GR	314	BCS-170	292
243354-001	110	BCS-115OR	314	BCS-170G	292
252885	110	BCS-115PK	314	BCS-1700	292
252886	110	BCS-115PL	314	BCS-170PK	292
252888-001	110	BCS-115R	314	BCS-172	292
252888-002	110	BCS-116	306	BCS-172CS	293
252888-003	110	BCS-117B	314	BCS-184	311
252888-004	110	BCS-117GR	314	BCS-205	316
252888-005	110	BCS-117OR	314	BCS-206	315
BCS-102	306	BCS-117PK	314	BCS-206B	315
BCS-104	312	BCS-117PL	314	BCS-206G	315
BCS-105	298, 306	BCS-118B	314	BCS-206MC	315
BCS-108	298, 306	BCS-118GR	314	BCS-206O	315
BCS-108G	306	BCS-118PL	314	BCS-206P	315
BCS-108O	306	BCS-123	312	BCS-206PK	315
BCS-111	314	BCS-125	298, 306	BCS-207	315
BCS-111B	314	BCS-125G	306	BCS-207B	315
BCS-111GR	314	BCS-125O	306	BCS-207G	315
BCS-111OR	314	BCS-126	298, 306	BCS-207O	315
BCS-111PK	314	BCS-127	298, 306	BCS-207P	315
BCS-111PL	314	BCS-128	298, 306	BCS-207PK	315

Part Number Index

Part No.	Page	Part No.	Page	Part No.	Page
BCS-209G	315	BCS-4070	291	BCS-570	302
BCS-209P	315	BCS-407P	291	BCS-572	302
BCS-210	293	BCS-502	300, 302	BCS-573	302
BCS-211	314	BCS-502-C	301	BCS-575	302
BCS-211B	314	BCS-502-CG	301	BCS-576	302
BCS-211GR	314	BCS-502-CO	301	BCS-2430	317
BCS-211OR	314	BCS-502-CPK	301	BCS-2431	317
BCS-211PK	314	BCS-502-F	300	BCS-2432	317
BCS-211PL	314	BCS-502G	300	BCS-2433	317
BCS-212	314	BCS-502O	300	BCS-2434	317
BCS-213MC	316	BCS-502PK	300	BCS-2435	317
BCS-215G	315	BCS-503	300, 302	BCS-2436	317
BCS-215P	315	BCS-503-C	301	BCS-2437	317
BCS-217G	315	BCS-503-CG	301	BCS-2438	317
BCS-217P	315	BCS-503-CO	301	BCS-2501	317
BCS-219G	315	BCS-503-CPK	301	BCS-2502	317
BCS-219P	315	BCS-503-F	300	BCS-2503	317
BCS-220G	315	BCS-503G	300	BCS-2504	317
BCS-220P	315	BCS-503O	300	BCS-2505	317
BCS-221G	315	BCS-503PK	300	BCS-2510	317
BCS-221P	315	BCS-504	300, 302	BCS-2511	317
BCS-222	316	BCS-511	300, 301	BCS-2512	317
BCS-231	298, 307	BCS-512	301	BCS-2513	317
BCS-232	299, 308	BCS-513	300	BCS-2514	317
BCS-235	299, 308	BCS-523	298, 302, 307	BCS-2515	317
BCS-252	312	BCS-529	298, 302, 307	BCS-2516	317
BCS-262	292	BCS-532	299, 308	BCS-2517	317
BCS-262CS	293	BCS-533	299, 308	BCS-3105	293
BCS-265	298, 307	BCS-534	298, 302, 306	BCS-3106	293
BCS-266	298, 307	BCS-535	298, 302, 306	BCS-3107	293
BCS-405	291	BCS-536	311	FLX-20-1003	79
BCS-405G	291	BCS-537	311	XP-A	251
BCS-405MC	291	BCS-538	298, 307	XP-A_100V	251
BCS-405O	291	BCS-539	298, 306	XP-A_230V	251
BCS-405PK	291	BCS-556	302	X-Tape_2000	251
BCS-406	292	BCS-557	302		