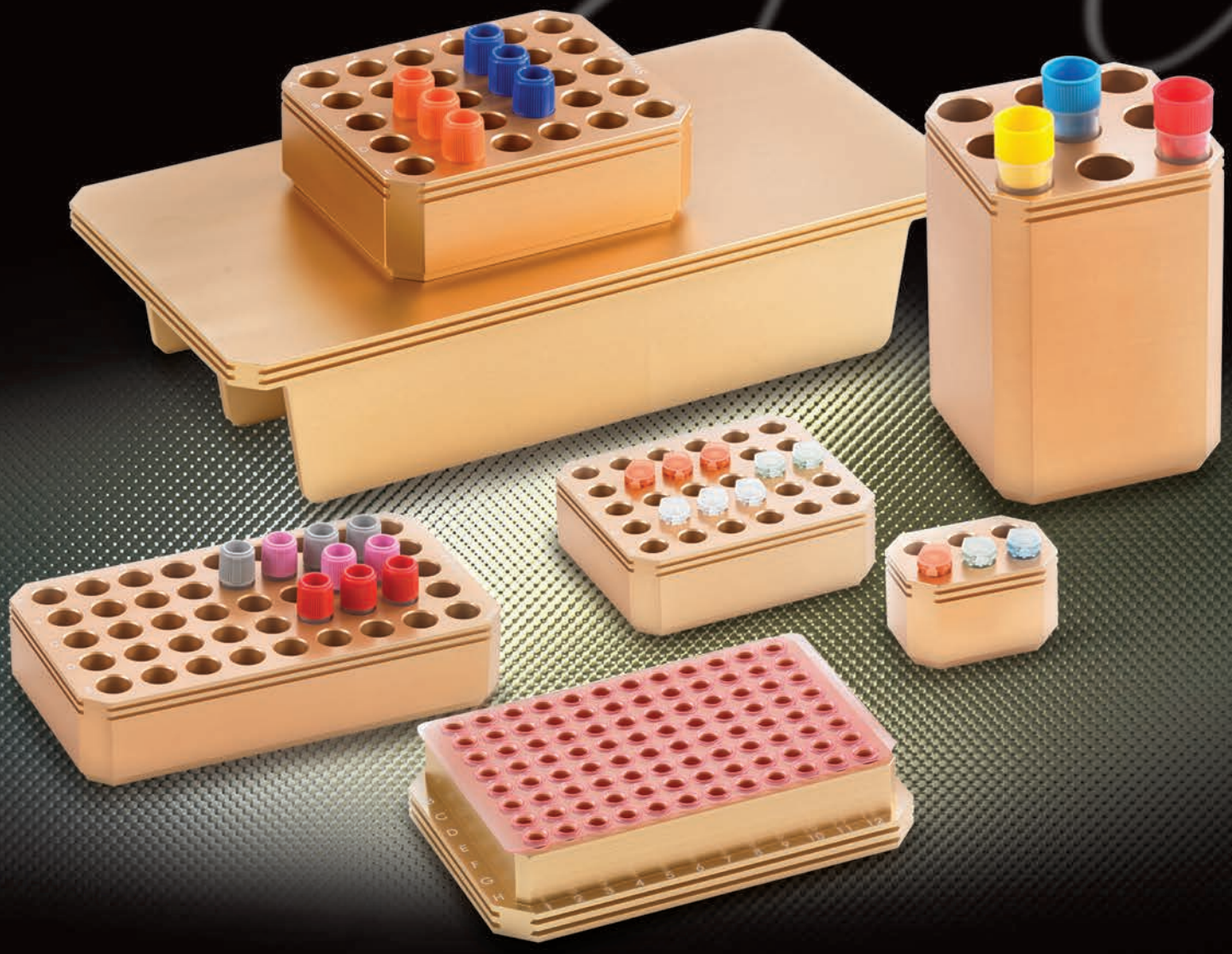
CHILLBLOCK™

TUBE RACK COLLECTION

A Cool Way to Better Protect your Samples



Simport® Scientific inc.
Since 1975
A family owned Canadian company

simport.com

CHILLBLOCK™

TUBE RACK COLLECTION

A Major Improvement in Sample Protection

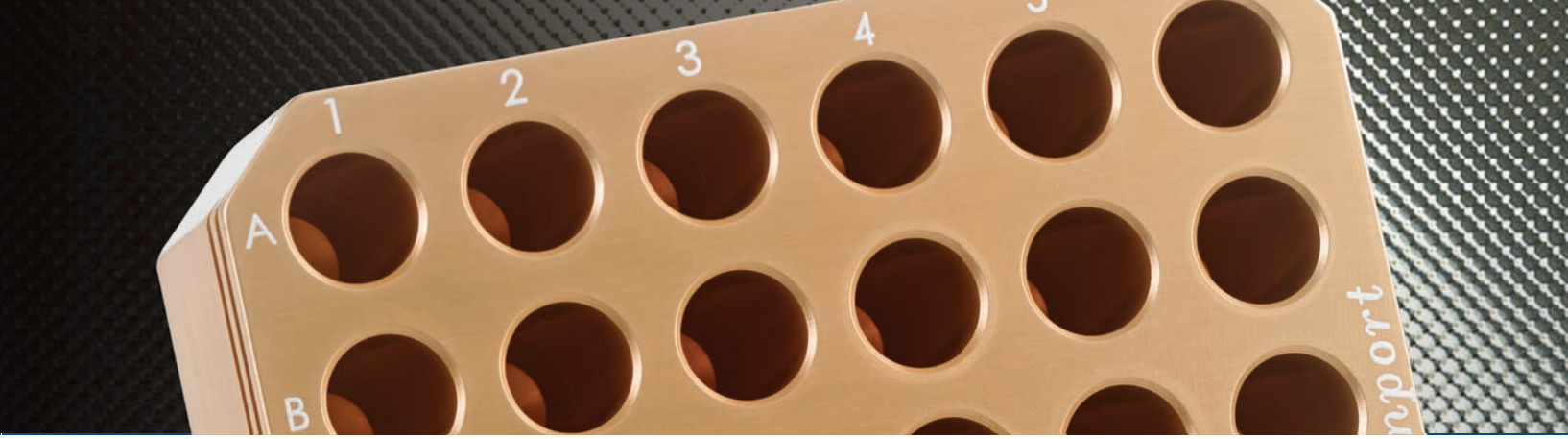
What is the most common way of keeping samples and reagents cold on a laboratory counter prior to analysis or during transport? Ice! It is inexpensive, easy to obtain and easily discarded. However, ice cooling has its inconveniences; Tubes placed anywhere in the ice will change positions as the ice melts and become wet (or submerged instead of wet). The melting process will also prevent consistent sample temperature and will require constant vigilance to ensure the samples won't sink or float in the ice water which might be dirty and contaminated.

Inconvenients when tubes are in contact with ice

- Variable ice contact may cause non reproducible results
- Disorganized, wet samples and labels
- Risk of contamination when tubes move around in melting ice

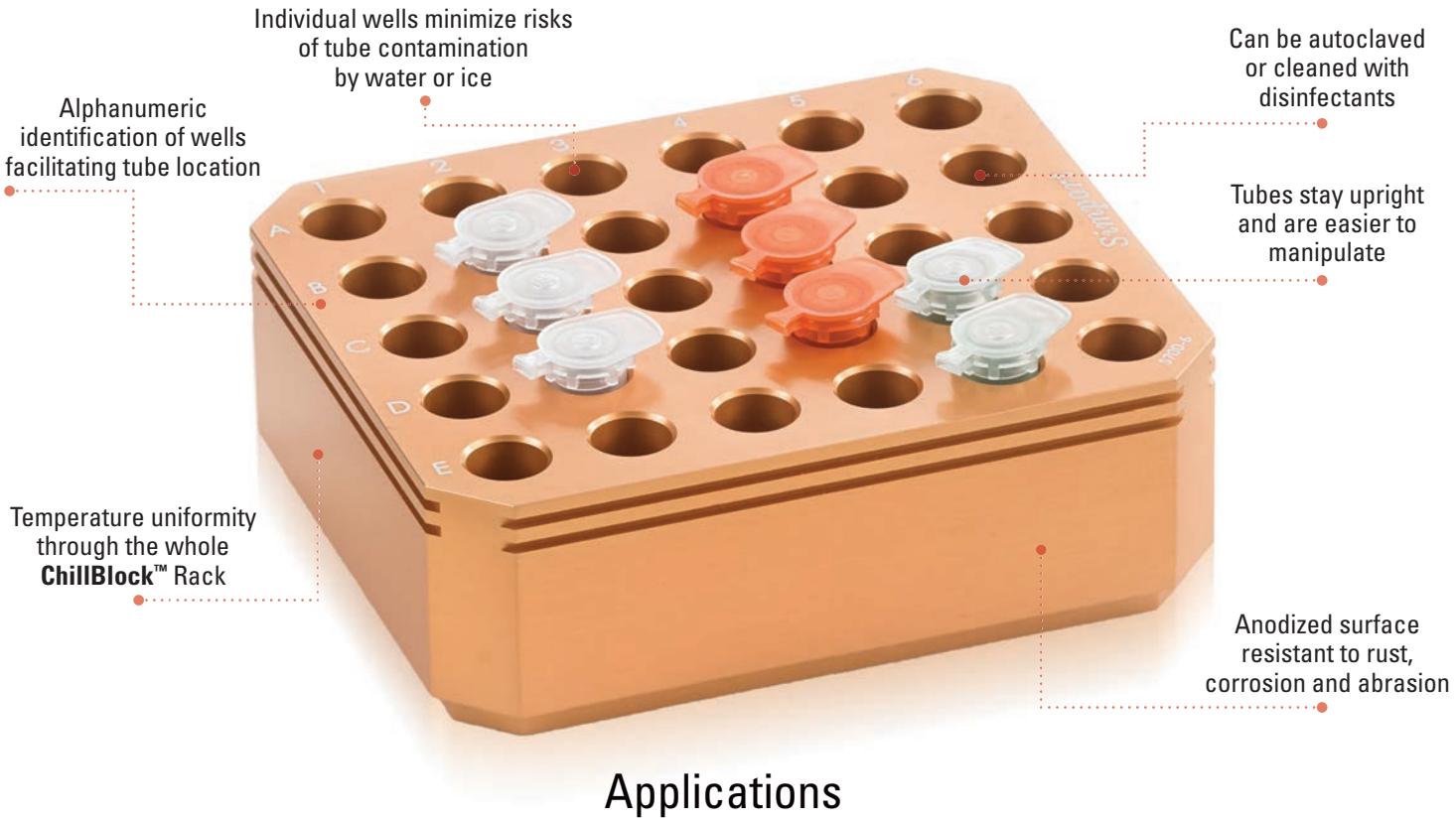
Advantages when tube are placed in **ChillBlock™** Rack

- Reproducible results
- Samples are well aligned, secure and dry
- All tubes are upright and indexed
- All samples kept in uniform temperature of <4°C +/- 0.1°C



ChillBlock™ thermo-conductive metal alloy tube racks eliminate inconsistencies which occur due to inserting tubes directly into ice, dry ice, alcohol baths, water baths and other common laboratory temperature sources. Place the **ChillBlock™** tube rack directly onto a temperature source and it will rapidly adapt to that temperature from -150°C to >+100°C. **ChillBlock™** tube racks ensure +/- 0.1°C temperature uniformity of all tubes when cooling, freezing or heating. **ChillBlock™** tube racks are available in a variety of sizes for tubes such as microcentrifuge tubes, cryogenic vials, PCR tubes, SBS-compliant strips and plates and 15 mL and 50 mL tubes.

Anatomy of a **ChillBlock™** Rack



Applications

Use on Ice

- Adapts from ambient to <4˚C in 60-90 seconds
- Samples and labels stay dry, organized and uniform in temperature
- Hours of ice cooling without direct ice contact

Use on Dry Ice

- Adapts from ambient to -78˚C in 5-7 minutes
- Eliminates ethanol – cost savings, no hazardous waste
- Equal or better freezing rate when compared to other methods

Use in Liquid Nitrogen

- Adapts from ambient to -140°C in 15 minutes
- Samples are upright and organized as they freeze
- No direct contact between samples and liquid nitrogen

Heating methods

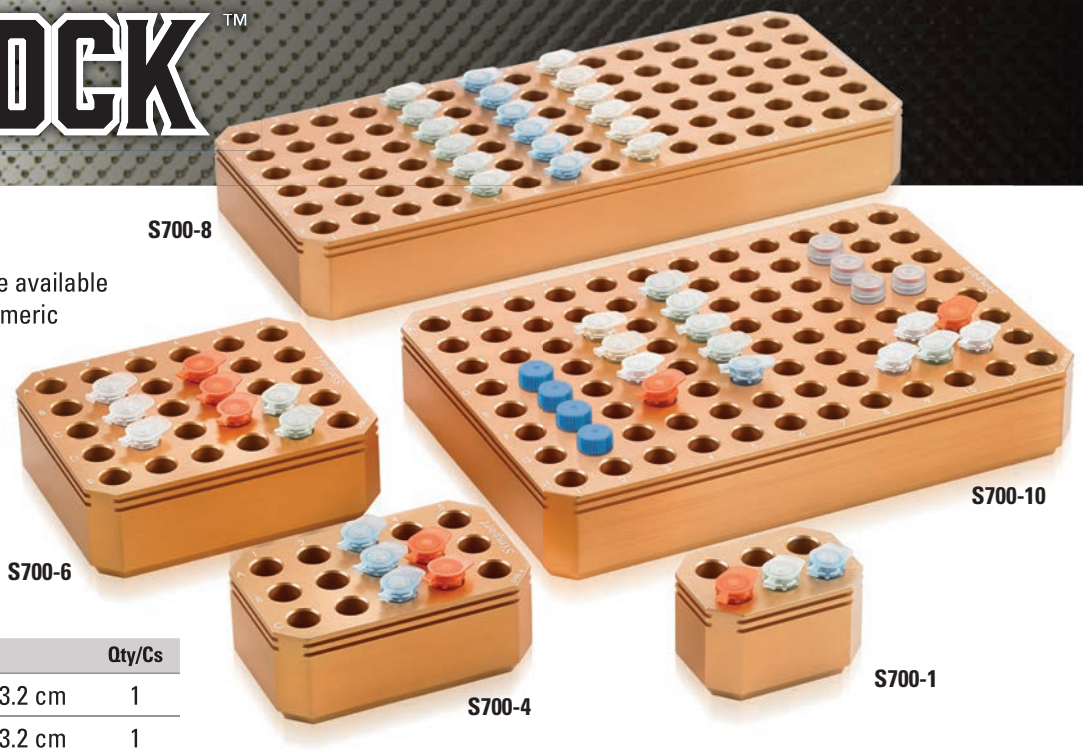
Use **ChillBlock™** tube racks in heat sources such as:

- waterbath
- incubator
- hot plate
- oven

CHILLBLOCK™

Microcentrifuge Tube Rack

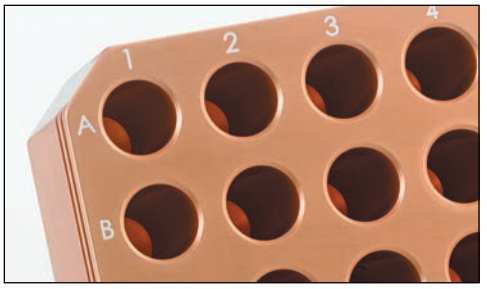
ChillBlock™ Microcentrifuge Tube Racks are available in five models with 6 to 96 wells. An alphanumeric grid allows for indexing rows and columns, therefore facilitating tube location.
These racks will hold 1.5 ml and 2 ml snap cap Microcentrifuge tubes. They will also accommodate the popular 0.5 ml to 2 ml screw cap Microcentrifuge tubes such as the Simport® Micrewtube® Series.



Cat. No	Wells	Dimensions (L x W x H)	Qty/Cs
S700-1	6	2.4 x 1.7 x 1.5 in / 6 x 4.3 x 3.2 cm	1
S700-4	15	3.8 x 2.4 x 1.5 in / 9.6 x 6 x 3.2 cm	1
S700-6	30	4.5 x 3.8 x 1.5 in / 11.4 x 9.6 x 3.2 cm	1
S700-8	90	10.8 x 4.5 x 1.5 in / 27.4 x 11.4 x 3.2 cm	1
S700-10	96	8.7 x 5.9 x 1.5 in / 22.1 x 14.9 x 3.2 cm	1

This group of racks will also accommodate the popular 0.5 ml to 2 ml screw cap Microcentrifuge tubes such as the Simport® Micrewtube® Series.

These wells have a vertical wall in order to accomodate all types of Microcentrifuge tubes up to 2 ml.



Alphanumeric identification of wells facilitating tube location

In your **ChillBlock™** racks, have you ever considered using **Simport®** Microcentrifuge tubes?

The **Micrewtube®** Family Screw Cap Microcentrifuge Tubes

T332 – T361 Series

A Simport® Micrewtube® has a multitude of applications around your lab. It is ideal for freezer storage, boiling application, centrifugation etc. and will fit most standard microcentrifuge rotors. Six styles of caps to choose from, and three sizes of conical bottom or self-standing tubes (0.5 ml, 1.5 ml and 2 ml).

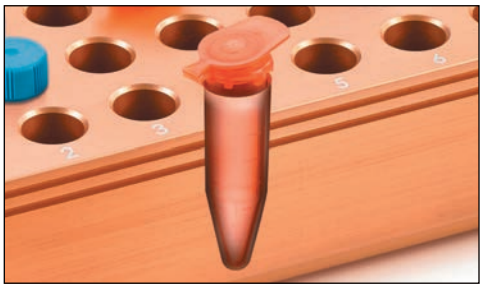
A TUBE FOR EVERY APPLICATION

CHILLBLOCK™

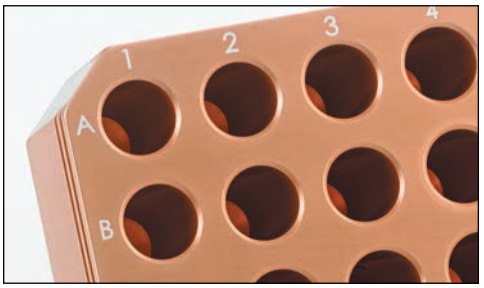
Profile Fit Microcentrifuge Tube Rack

S700-16 and S700-18 **ChillBlock**™ Profile Fit Microcentrifuge Tube Racks are available with either 15 & 30 wells holding 1.5 ml snap cap Microcentrifuge tubes. S700-14 is a 30-well rack and will hold 0.5 ml tubes. An alphanumeric grid allows for indexing rows and columns, therefore facilitating tube location. Each cavity will ensure a more efficient thermal exchange since it is in direct contact with the entire tube wall.

Cat. No	Wells	Dimensions (L x W x H)	Qty/Cs
S700-14	30	4.5 x 3.8 x 1.5 in / 11.4 x 9.6 x 3.2 cm	1
S700-16	15	3.8 x 2.4 x 1.5 in / 9.6 x 6 x 3.2 cm	1
S700-18	30	4.5 x 3.8 x 1.5 in / 11.4 x 9.6 x 3.2 cm	1



Excellent temperature ex-change since tube wall is in direct contact with rack.



Alphanumeric identification of wells facilitating tube location.

In your **ChillBlock**™ racks, have you ever considered using **Simport**® Microcentrifuge tubes?

Cliklok™ MicrocentrifugeTube Family

T330 & T331 Series

- Extra clarity for better visual inspection
- Boil-proof design
- Ultra rugged walls made for high speed centrifugation
- Unique ClickLok™ sealing mechanism
- Made of highest purity polypropylene

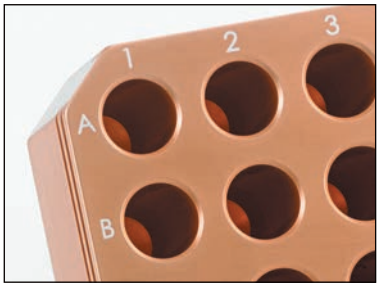
For full details on these tubes, consult our website and catalog or contact one of our Customer Service Representatives at 450 464-1723.

CHILLBLOCK™

ChillBlock™ 15 ml and 50 ml Centrifuge Tube Racks

The **m** 15 ml and 50 ml Centrifuge Tube Racks are available in two configurations, one of 9 wells for 15 ml centrifuge tubes and one of 4 wells for 50 ml centrifuge tubes. An alphanumeric grid allows for indexing rows and columns, therefore facilitating tube location.

Cat. No	Wells	For Tubes	Dimensions (L x W x H)	Qty/Cs
S700-35	9	15 ml	3.1 x 3.1 x 4.2 in / 7.9 x 7.9 x 10.7 cm	1



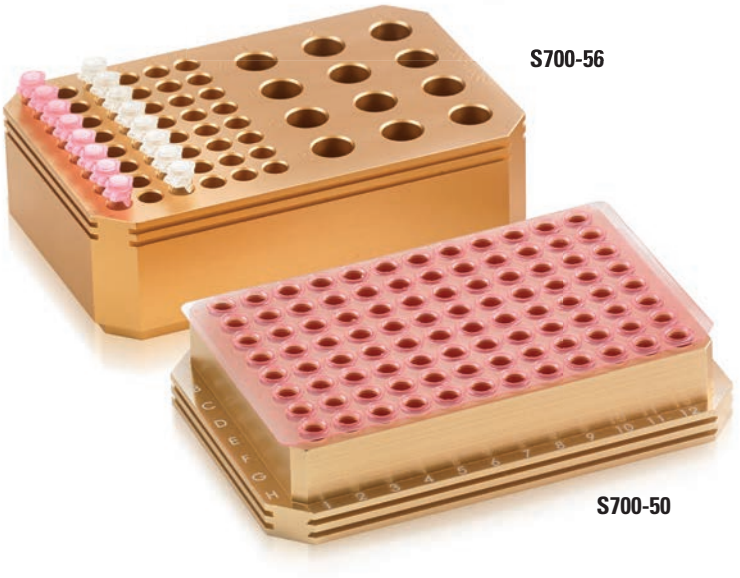
Alphanumeric identification of wells facilitating tube location

S700-35

ChillBlock™ SBS Footprint Tube Racks

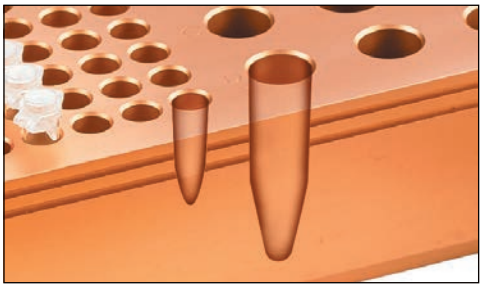
These **ChillBlock**™ SBS Footprint Tube Racks conform in size to the SBS standard footprint and are compatible for quick transfer to automated systems. An alphanumeric grid allows for indexing rows and columns, therefore facilitating tube location. Depending on the model, they will accept 200 µL PCR tubes, strips, plates and most Microcentrifuge tubes. S700-56 Rack will hold twelve screw cap Microcentrifuge tubes or 1.5 ml and 2 ml snap cap Microcentrifuge tubes along with up to 6 PCR strips or 48 individual 0.2 ml PCR tubes.

Cat. No	Wells	Dimensions (L x W x H)	Qty/Cs
S700-50	96	5 x 3.4 x 1 in / 12.8 x 8.5 x 2.5 cm	1
S700-56	60	5 x 3.3 x 1.5 in / 12.8 x 8.4 x 3.2 cm	1



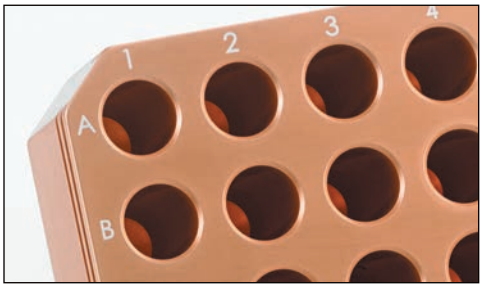
S700-56

S700-50



Rack S700-56 will hold twelve 1.5 and 2 ml Microcentrifuge tubes and 0.2 ml PCR tubes or strips.

Rack S700-58 will hold up to 24 x 1.5 or 2ml Microcentrifuge tubes.

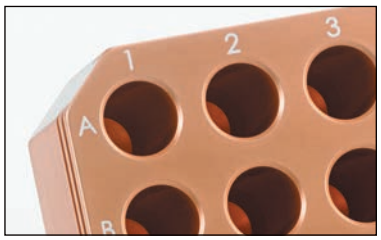


Alphanumeric identification of wells facilitating tube location.

CHILLBLOCK™

ChillBlock™ Cryogenic Vial Tube Racks

ChillBlock™ Cryogenic Vial Racks are specially designed for Cryogenic vials and are available in four models with 15 to 45 wells. An alphanumeric grid allows for indexing rows and columns, therefore facilitating tube location. These racks will hold 1.0 ml to 2 ml inner and outer threaded Cryogenic vials. They will also accommodate the Simport® similar sample tubes (T500 and T501 Series). Rack S700-60 has a universal locking base, allowing most cryogenic vials to lock in place and facilitate screw cap removal using only one hand.



Alphanumeric identification of wells facilitating tube location

Cat. No	Wells	Dimensions (L x W x H)	Qty/Cs
S700-60	24	5 x 3.4 x 1.5 in / 12.8 x 8.5 x 3.2 cm	1
S700-80	15	3.8 x 2.4 x 1.5 in / 9.6 x 6 x 3.2 cm	1

In your **ChillBlock**™ racks, have you ever considered using **Simport**® Cryovial and Sample tubes?

Cryovial - Series T301, T308, T309, T310, T311

The Simport® Cryovial® Family is the most complete line of cryogenic vials available today. Designed for storing cells, blood, serum and other biological fluids at temperatures as low as -196 °C, these sturdy polypropylene vials offer a high level of chemical resistance.

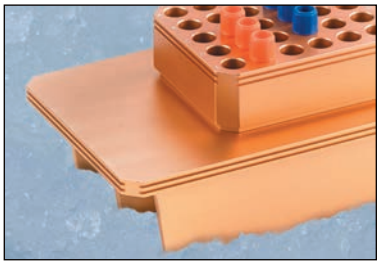
Sample Tubes - Series T501

Designed for the storage and transportation of biological material. Manufactured from non-toxic polypropylene, the tube provides strength and clarity and exhibits some unique design features. The vial has external threads, providing a smooth and uniform inner surface, thus reducing the risk of contamination.

ChillBlock™ Platforms

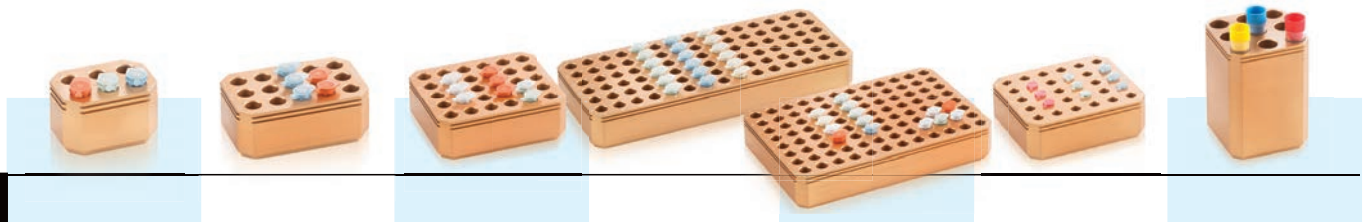
These two thermo-conductive platforms can be placed in ice, dry ice, liquid nitrogen or even in a water bath. They will keep **ChillBlock**™ racks at the proper temperature which will remain completely dry while on the platform. The thermo-conductive properties of the **ChillBlock**™ platforms ensure uniform temperature distribution throughout. Not available for sale in the USA.

Cat. No	Dimensions (L x W x H)	Qty/Cs
S700-90	11 x 5.5 x 3.4 in / 27.9 x 14 x 8.6 cm	1
S700-92	11 x 5.5 x 2.5 in / 27.9 x 14 x 6.3 cm	1



By using these platforms, even the **ChillBlock**™ racks remain completely dry.

CHILLBLOCK™ TUBE RACK COLLECTION Selection Chart

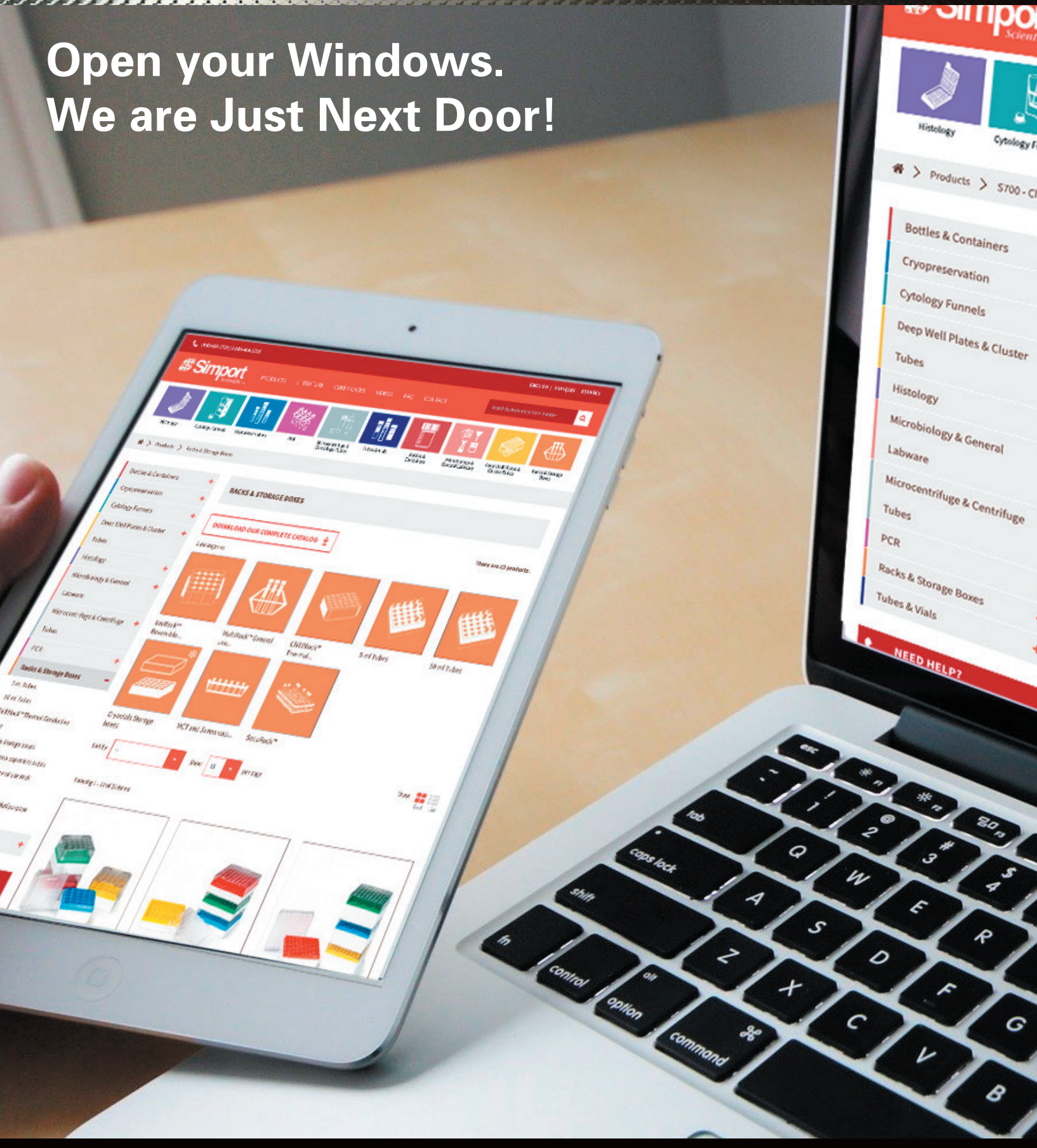


Item No.	S700-1	S700-4	S700-6	S700-8	S700-10	S700-14	S700-35
For Use With	1.5 ml and 2 ml Microcentrifuge Tubes	1.5 ml and 2 ml Microcentrifuge Tubes	1.5 ml and 2 ml Microcentrifuge Tubes	1.5 ml and 2 ml Microcentrifuge Tubes	1.5 ml and 2 ml Microcentrifuge Tubes	500 µl Conical Microcentrifuge Tubes	15 ml Microcentrifuge Tubes
Wells	6	15	30	90	96	30	9
Well Shape	Cylindrical	Cylindrical	Cylindrical	Cylindrical	Cylindrical	Conical	Cylindrical
Well Diameter	0.43 in / 11.1 mm	0.43 in / 11.1 mm	0.43 in / 11.1 mm	0.43 in / 11.1 mm	0.43 in / 11.1 mm	0.33 in / 18.4 mm	0.67 in / 17.1 mm
Well Depth	1.28 in / 32.6 mm	1.28 in / 32.6 mm	1.28 in / 32.6 mm	1.28 in / 32.6 mm	1.28 in / 32.6 mm	1.17 in / 29.6 mm	4.2 in / 106.6 mm
Dimensions (L x W x H)	2.4 x 1.7 x 1.5 in 6 x 4.3 x 3.2 cm	3.8 x 2.4 x 1.5 in 9.6 x 6 x 3.2 cm	4.5 x 3.8 x 1.5 in 11.4 x 9.6 x 3.2 cm	10.8 x 4.5 x 1.5 in 27.4 x 11.4 x 3.2 cm	18.7 x 5.9 x 1.5 in 22.1 x 14.9 x 3.2 cm	4.5 x 3.8 x 1.5 in 11.4 x 9.6 x 3.2 cm	3.1 x 3.1 x 4.2 in 7.9 x 7.9 x 10.7 cm
Row Spacing	0.7 in / 17.8 mm	0.7 in / 17.8 mm	0.7 in / 17.8 mm	0.7 in / 17.8 mm	0.7 in / 17.8 mm	0.7 in / 17.8 mm	1.05 in / 26.7 mm
Column Spacing	0.7 in / 17.8 mm	0.7 in / 17.8 mm	0.7 in / 17.8 mm	0.7 in / 17.8 mm	0.7 in / 17.8 mm	0.7 in / 17.8 mm	1.05 in / 26.7 mm
Weight	0.43 lb / 194 gr	0.99 lb / 450 gr	1.88 lb / 854 gr	5.35 lb / 2428 gr	5.69 lb / 2582 gr	2.23 lb / 1010 gr	2.68 lb / 1218 gr

For full details, consult our website and catalog or contact one of Customer Service Representatives at 450 464-1723.

Item No.	S700-50	S700-52	S700-56	S700-60	S700-80	S700-90	S700-92
For Use With	96-well PCR Plates	384-well PCR Plates	1.5 ml and 200 µl Tubes	Cryogenic Vials	Cryogenic Vials	ChillBlock Tube Racks	ChillBlock Tube Racks
Wells	96	384	60	24	15	N/A	N/A
Well Shape	Conical	Conical	Conical	Conical	Cylindrical	N/A	N/A
Well Diameter	0.27 in / 6.9 mm	0.16 in / 4.1 mm	0.25 in / 6.3 mm 0.43 in / 11.1 mm	0.50 in / 12.7 mm	0.50 in / 12.7 mm	N/A	N/A
Well Depth	0,79 in / 20.1 mm	0.32 in / 8.1 mm	0.63 in / 15.9 mm 1.38 in / 35.1 mm	1.29 in / 32.7 mm	1.28 in / 32.6 mm	1.28 in / 32.6 mm	1.28 in / 32.6 mm
Dimensions (L x W x H)	5 x 3.4 x 1 in 12.8 x 8.5 x 2.5 cm	5 x 3.4 x 0.8 in 12.8 x 8.5 x 3.2 cm	5 x 3.4 x 1.5 in 12.8 x 8.5 x 2.3 cm	5 x 3.4 x 1.5 in 12.8 x 8.5 x 3.2 cm	3.8 x 2.4 x 1.5 in 9.6 x 6 x 3.2 cm	11 x 5.5 x 3.4 in 27.9 x 14 x 8.6 cm	11 x 5.5 x 2.5 in 27.9 x 14 x 6.3 cm
Row Spacing	0.35 in / 9 mm	0.35 in / 4.5 mm	0.18 in / 9 mm 0.7 in / 17.8 mm	0.76 in / 19.3 mm	0.7 in / 17.8 mm	N/A	N/A
Column Spacing	0.35 in / 9 mm	0.35 in / 4.5 mm	0.35 in / 9 mm 0.8 in / 20.3 mm	0.76 in / 19.3 mm	0.7 in / 17.8 mm	N/A	N/A
Weight	1.15 lb / 522 gr	1.02 lb / 462 gr	2.03 lb / 922 gr	1.5 lb / 820 gr	0.90 lb / 408 gr	3.75 lb / 1702 gr	3.32 lb / 1508 gr

For full details, consult our website and catalog or contact one of Customer Service Representatives at 450 464-1723.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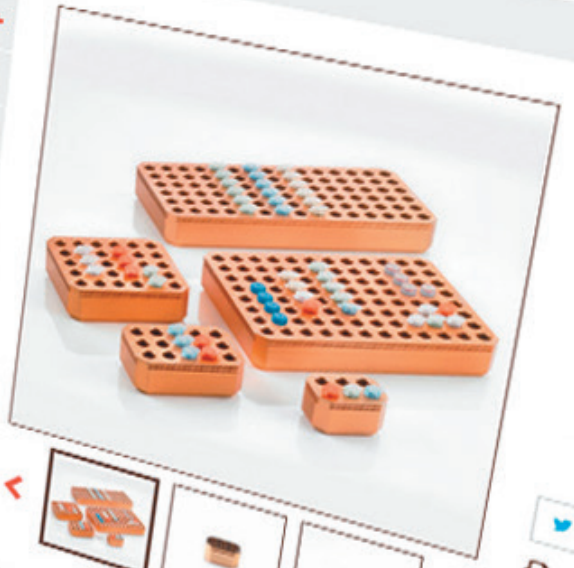
illBlock™ Tube Racks for 1.5 & 2.0 ml tubes



S700 - CHILLBLOCK™ TUBE RACKS FOR 1.5 & 2.0 ML TUBES

Reference: S700

- Made of thermo-conductive metal alloy
- Temperature uniformity through ChillBlock™ rack
- Autoclavable or clean with disinfectants
- Alphanumeric identification of wells facilitating tube location
- Anodized surface resistant to rust, corrosion and abrasion

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Wells

6 15 30 90 96

SAMPLE REQUEST

TECHNICAL DOCUMENTS & INQUIRIES

ChillBlock™ Microcentrifuge Tube Racks are available in five models from 6 to 96 wells. An alphanumeric grid allows for indexing rows and columns, therefore facilitating tube location. These racks will hold 1.5 ml and 2.0 ml snap cap Microcentrifuge tubes such as the Simport Micrewtube®. They will also accommodate the popular 0.5 ml to 2.0 ml screw cap Microcentrifuge tubes such as the Simport Micrewtube® Series.

Use on Ice :

- Adapts from ambient to <4°C in 60-90 seconds
- Samples and labels stay dry, organized and uniform in temperature
- Hours of ice cooling without direct ice contact

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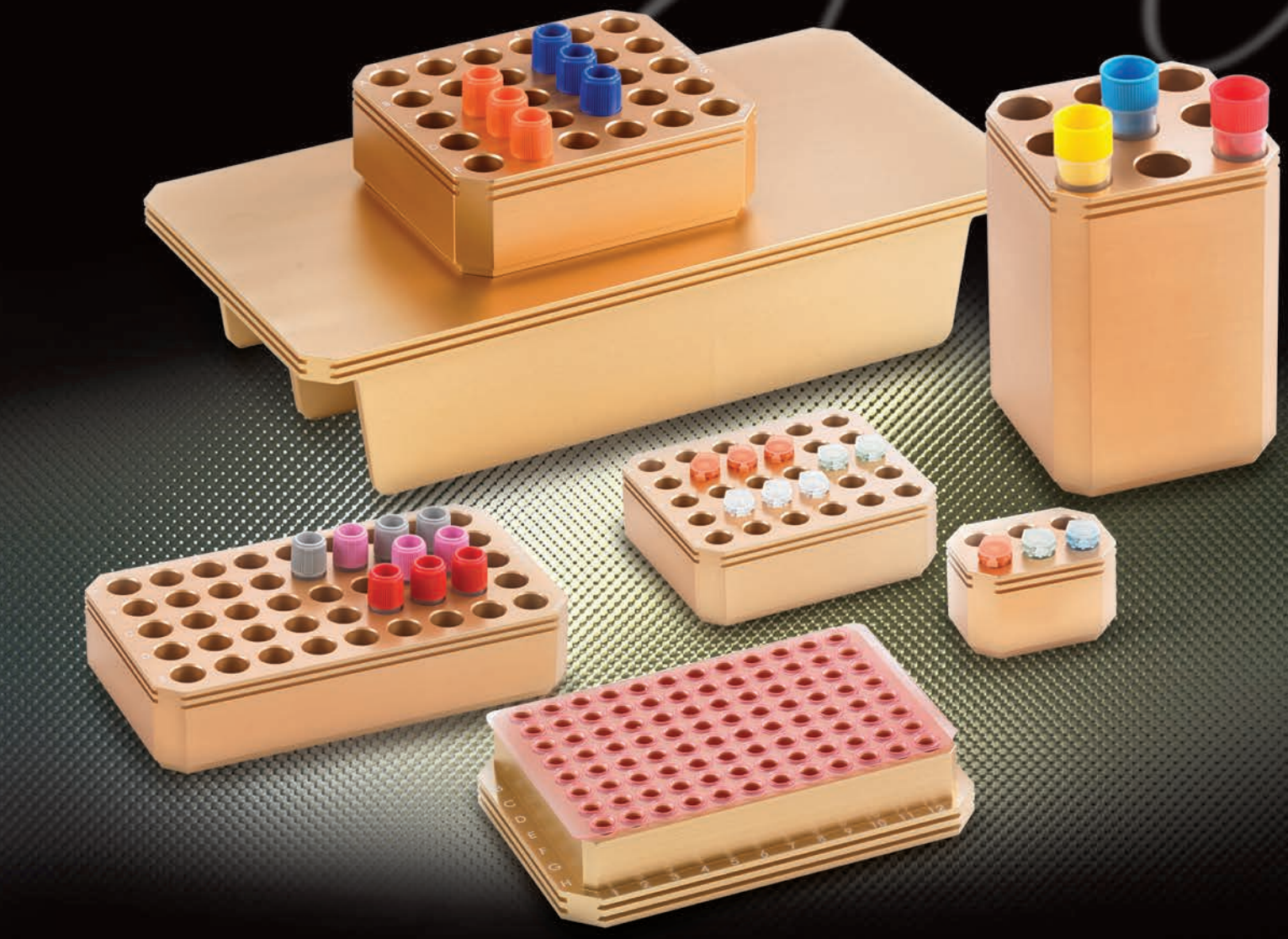
TUBE RACK COLLECTION

A Cool Way to Better Protect your Samples



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