














# table of contents

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## true north®

True North® lab essentials are manufactured specifically to withstand extremely low temperatures for cryogenics studies.

With a comprehensive product offering for working, labeling, transporting and storing of cryogenic materials, True North® products allow lab professionals to concentrate on their work without worrying about compromising valuable samples (pages 60-71).

## droplet™

Droplet™ sample collection products are designed to help improve the quality of day-to-day work-flow through every stage.

From sample collection, process analysis, transport and storage we offer a variety of solutions that provide efficiency and safety while protecting against contamination (pages 50-59).





# mixing and centrifugation

High-quality instruments, with advanced features for a vast range of protocols.

# sprout<sup>®</sup>

mini centrifuge

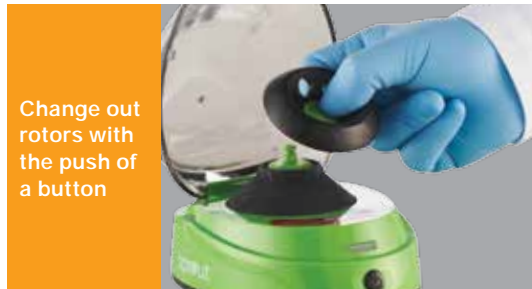
## Sprout<sup>®</sup> Mini-Centrifuge

### SnapSpin™ rotors for easy and fast exchange

The Sprout<sup>®</sup> is ideal for quick spin downs, micro-filter cell separations and HPLC samples. It is compact, easy to use and comes with a host of extras.

- Small footprint and quiet operation
- Palm-shaped lid, suitable for left or right handed users allows quick extraction of tubes
- Snapspin™ rotors are tool-free for a fast and easy exchange
- Weighted rubberized base eliminates potential movement and further dampens vibration and noise
- Suitable for worldwide voltages 110 to 240 V, supplied with 4 different plug adapters

Part No.	Color
HS120301	Green
HS120395	Yellow
HS120396	Purple



Change out rotors with the push of a button

### Specifications:

**Maximum speed:** Approx. 6,000 rpm (fully loaded)

**Maximum RCF:** 2000 x g

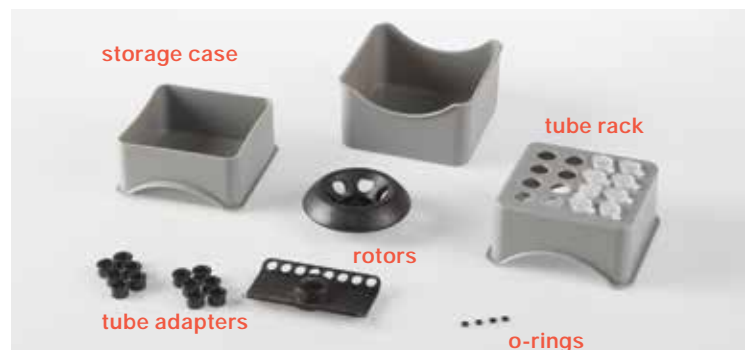
**Power:** 100 to 240 VAC 50/60 HZ 0.6A, Approx. 7.3 W

**Dimensions:** 153 x 128 x 104 mm

**One-year warranty**

### Package includes:

- Sprout<sup>®</sup> mini-centrifuge
- 6 place 1.5/2.0 mL tube rotor
- 16 place 0.2 mL tube rotor (singles, or 2 x 8 strip)
- 6 tube adapters 0.2 mL
- 6 tube adapters 0.5 mL
- 4 O-rings
- Storage case for rotors and adapters
- Tube rack
- Low voltage, double insulated power adapter with 4 interchangeable plugs



Accessories and storage case included



### Maximum speed with minimal space

This compact centrifuge is ideal for protocols calling for fast spins with a higher RCF requirement. Ideal for PCR<sup>®</sup>, microfilter cell separation, clinical & diagnostic applications, and HPLC protocols.

- Compact footprint and brush-less motor for quiet operation and low vibration
- Select and set the digital speed display in RCF or rpm
- Sample imbalance and tilt safety cut out
- Safety interlock lid prevents opening while rotor is turning
- Back lit display showing time, speed and operational information on the same screen
- Quick-spin button for short spin requirements, press and hold to operate
- Suitable for worldwide voltages 110 to 240V, supplied with 4 different plug sets
- UV-Resistant plastic, increased useful life under harsh light conditions
- Double insulated, low voltage power supply
- Push button lid release
- Manual override allows user to open lid in case of power failure

### Specifications:

**Speed:** 500–12,500 rpm

**RCF:** 15–9,800 Xg

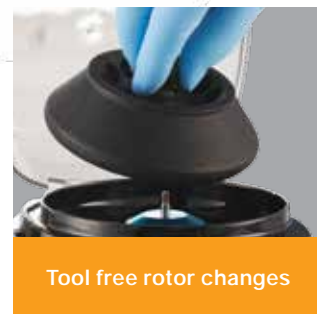
**Power:** 110 to 240 VAC, 50/60 Hz with 4 interchangeable power cords

**Dimensions:** 203 x 171 x 114 mm

**Two-year warranty**

### Package includes:

- High-Speed Mini-Centrifuge
- 12 place 1.5/2.0 mL tube rotor
- 32 place 0.2 mL tube rotor (singles, or 4 x 8 Strip)
- 12 tube adapters 0.2 mL
- 12 tube adapters 0.5 mL
- Universal double insulated, power adapter 110–240V 50/60 Hz, with 4 interchangeable cord types



Tool free rotor changes

Part No.	Description
HS10050	Gusto <sup>®</sup> , 110–240 VAC, 50/60 Hz





# sea★star®

digital orbital shaker

Compact and packed full of high-end design features making it a versatile shaker for a vast range of protocols

- No-stop electronic motor feedback, enables the unit to instantly adjust to weight load changes and unbalanced loads for truly reproducible results
- Suitable for use in incubators and cold rooms within the stated temperature range
- Soft-start and shut down feature reduces spill instances from full vessels
- A high weight loading of 4.5 kg, with an overload protection cut out
- Universal hi-lo platform and bungee cords allows you to create your own holding matrix for vessels of all shapes and sizes
- Back lit display is easy to read. Time and speed can be separately set
- Very low start speed for sensitive sample agitation, with a high top end and good stability for more vigorous applications
- Suitable for worldwide voltages 110–240 V, supplied with 4 different plug type

Part No.	Description
HS4010A	Sea Star® Digital Orbital Shaker, 110–240 VAC, 50/60 Hz

## Specifications:

**Speed range:** 20 to 300 rpm 1 rpm increments

**Orbit diameter:** 19.0 mm (0.75")

**Timer range:** 0 to 49 hours, 1 second increments or continuous

**Maximum load:** 4.5 kg (10 lbs.)

**Power:** 110 to 240 VAC, 50/60 Hz with 4 interchangeable plug adapters

**Ambient conditions:** 4° to 40°C; 20 to 80% RH, non-condensing

**Platform interior dimensions:** 279 mm W x 279 mm D

**Overall dimensions:** 314 mm W x 193 mm H x 305 mm D

**One-year warranty**



Bungee cords allows you to create your own holding matrix for vessels of all shapes and sizes

## Package includes:

- Sea Star® shaker
- Universal hi-lo platform
- Skid-free rubber platform mat
- 8 bungee cords set
- Universal power adapter 110–240v 50/60 hz, with 4 interchangeable plug types





**vortexer™**  
variable speed vortexing unit

### Multi-purpose, maximum convenience

This sleek and modern designed vortex mixer is capable of meeting the mixing requirements of the most popular test tubes used in today's lab without the need to swap out mixing head units.

The innovative design makes maximum use of the space available, providing holding slots for no less than six different sizes of tube and a standard assay plate, while the center pad area can be used for quick hand-held mixing of a vast range of tubes and vessels.

- Variable speed rotary dial provides pre-set speed control (1000, 2000, 3000 rpm) during vortex mixing
- Stable elastomeric device feet, provide vibration dampening and prevent movement during operation
- Innovative head can be removed for cleaning purposes
- High impact ABS body shell

Part No.	Power Supply	
HS120209	110V – 120V, 50-60 Hz, 50 Watts, US/NA	⏏
HS120212	220V – 240V, 50-60 Hz, 40 Watts, CE	⏏
HS120214	220V – 240V, 50-60 Hz, 40 Watts, UK	⏏
HS120210	220V – 240V, 50-60 Hz, 40 Watts, AUS	⏏
HS120318	100V – 110V, 50-60 Hz, 52 Watts, Japan	⏏

### Specifications

**Speed Range:** Variable 1000-3000 rpm (shaking to vortexing)

**Orbit:** 3.7 mm

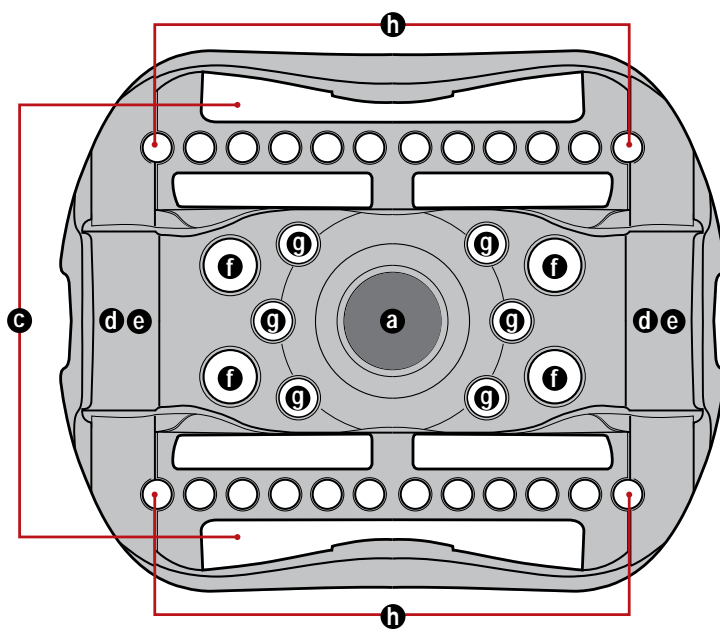
**Control:** 3 position slider — (top) intermittent, (middle) off, (bottom) continuous

**Weight:** 8.66 Lb/3.93 Kg

**Dimensions:** 171 W x 190 D x 197 H mm (with mixing head in place)

SGS-US-C, CE, CB Scheme, RoHS 2, PSE, and WEEE compliant

**Two year warranty**



### 6 Different sizes of tubes

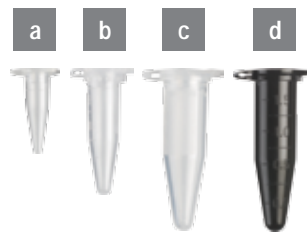
Including standard assay plate

Mixing head holding capacity	
<b>a</b>	Center pad area for hand held mixing
	Assay plate x 1 (to be used with retention cords)
<b>c</b>	50 mL conical tubes x 2 (horizontally mounted)
<b>d</b>	15 mL conical tubes x 2 (horizontally mounted)
<b>e</b>	5 mL tubes x 2 (horizontally mounted in the same retention space as 15 mL)
<b>f</b>	1.5/2 mL microfuge tubes x 4 (vertically mounted)
<b>g</b>	0.5 mL microfuge tubes x 6 (vertically mounted)
<b>h</b>	0.2 mL microfuge tubes (strip tubes) x 24 (vertically mounted)

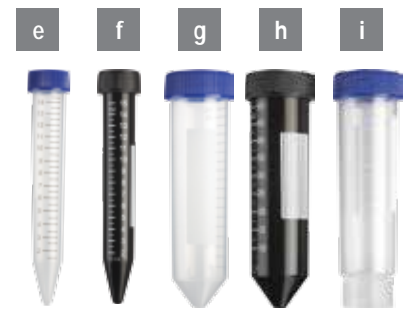
## Microcentrifuge and Conical Centrifuge Tubes

Available in natural and pure black for light sensitive samples.

- Microtubes – 0.2, 0.5 and 1.5 mL
- Attached flat caps for easy one-handed use
- 0.2 mL is suitable for thermal cyclers
- 0.5 and 1.5 mL versions have a frosted writing area and a syringe pierceable cap
- 100% polypropylene
- All are autoclavable (a-i)
- Disposable



Certified DNase, RNase and Pyrogen free (a-d)



Skirted

### Microcentrifuge Tubes

	Part No.	Vol.	Dimensions	Graduations	Max RCF Rating	Pkg	Color
a	HS4423	0.2 mL	od 6.9 mm closed height 22.20 mm	None	15,000 x g	Bulk 1000/pk	Natural <input type="checkbox"/>
b	HS4422	0.5 mL	od 10.1 mm closed height 31.70 mm	0.1, 0.3, 0.5	15,000 x g	Bulk 1000/pk	Natural <input type="checkbox"/>
c	HS4323	1.5 mL	od 12.9 mm closed height 40.30 mm	0.1, 0.5, 1.0	16,400 x g	Bulk 500/pk	Natural <input type="checkbox"/>
d	HS4323K	1.5 mL	od 13.4 mm closed height 40.06 mm	0.1, 0.5, 1.0, 1.5	18,000 x g	Bulk 500/pk	Black <input type="checkbox"/>
d	HS4325	1.5 mL	od 12.9 mm closed height 40.20 mm	0.1, 0.5, 1.0	16,400 x g	Bulk 1000/pk	Natural <input type="checkbox"/>

### Conical Centrifuge Tubes

	Part No.	Vol	Dimensions	Graduations	Max RCF Rating	Pkg	Color
e	HS4426B	15 mL	OD 17 mm Length 120 mm	0.5 mL	11,000 x g	Bulk wrap sterile	50/bag, 10 bags/case Natural <input type="checkbox"/>
	HS4426R	15 mL	OD 17 mm Length 120 mm	0.5 mL	11,000 x g	Racked sterile	50/rack, 10 racks/case Natural <input type="checkbox"/>
f	HS4428	15 mL	OD 17 mm Length 120 mm	0.5 mL	9,400 x g	Bulk wrap sterile	50/bag, 10 bags/case Black <input type="checkbox"/>
g	HS4427B	50 mL	OD 29 mm Length 114 mm	5.0 mL	9,500 x g	Bulk wrap sterile	25/bag, 20 bags/case Natural <input type="checkbox"/>
	HS4427R	50 mL	OD 29 mm Length 114 mm	5.0 mL	9,500 x g	Racked sterile	25/rack, 20 racks/case Natural <input type="checkbox"/>
h	HS4429	50 mL	OD 29 mm + 0.3 mm Length 114 mm	5.0 mL	9,400 x g	Bulk wrap sterile	25/bag, 20 bags/case Black <input type="checkbox"/>
i	HS4427S	50 mL	OD 29 mm + 0.3 mm Length 114 mm	5.0 mL	9,500 x g	Bulk wrap sterile skirted	25/bag, 20 bags/case Natural <input type="checkbox"/>

Large capacity tubes – 15 and 50 mL (e-i)

- Lot-to-lot traceability with easy tear packaging
- Writing area and flat polyethylene lids for easy labelling
- Imprinted graduations and a self-standing version (only in clear bulk pack)
- Reusable card used for the racked versions, making them more environmentally friendly

## Screw-top Tubes with O-ring Cap

Safer long-term storage.

- Screw-on polypropylene lids with TPE O-ring
- Clear polypropylene tubes provide excellent view of samples
- Skirted, self-standing base makes filling and retrieval easy
- Autoclavable
- Disposable



Frosted writing area



TPE O-ring to create an excellent seal for secure storage

Part No.	Volume	Dimensions	Noted Graduations	Max RCF Rating	Bulk Wrap Sterile	Color
HS10060	2.0 mL	od 13.3 mm closed height 46.7 mm	0.5, 1.0, 1.5	18,000 x g	500/pk	Natural <input type="checkbox"/>

## true<sup>north</sup>® Cryogenic Vials

Innovative design saves space in your freezer.

- Puncture/rupture-resistance polypropylene
- Silicone lid seal & patented lid with ergonomic 1.5 twist to open and close
- Printed writing area and graduations
- Sterile, non-pyrogenic, non-cytotoxic, DNase/RNase-free vials come with traceable sterility certificate. Packaged in resealable bags of 50 vials.
- Recommended for mechanical freezers and vapor phase LN<sub>2</sub> (-196°)
- Disposable



Patented easy-grip faceted lid

Certified DNase, RNase, Pyrogen free, and Cytotoxin free

Part No.	Vol.	Dimensions	Pkg.	Color
HS23202A	2.0 mL	OD 12 mm closed height 49 mm	500/cs	Assorted *
HS23202N	2.0 mL	OD 12 mm closed height 49 mm		Natural <input type="checkbox"/>

\*Assorted colors: blue, red, green, purple, gray

Check out other great products specifically designed for cryogenic and cold storage applications on page 60



# Tube Rack and Storage Selection Guide

## Standard Tube Racks

Tube Vol.	0.2 mL	0.5 mL	1.5/2.0 mL	12 mL			15 mL		50 mL	
Tube Dia.	6.3 mm	7.8 mm	10.9 mm	10-13 mm	13-16 mm	16-17.5 mm	18-20 mm	25 mm	30-33 mm	60 mm
Wells										
1									One Well <b>pg. 19</b>	
4									Foam Rack <b>pg. 19</b> MagRack <b>pg. 27</b>	
6							Rota-Rack® <b>pg. 18</b>			Bottle Rack <b>pg. 26</b>
8			Floating Rack <b>pg. 27</b>				Floating Foam <b>pg. 27</b> Rota-Rack® <b>pg. 18</b>		Wire Rack <b>pg. 26</b>	
9			Rota-Rack® <b>pg. 18</b>				MagRack <b>pg. 25</b>		OneRack® <b>pg. 14</b> Rota-Rack® <b>pg. 18</b>	
10				Rota-Rack® <b>pg. 18</b>						
12		Rota-Rack® <b>pg. 18</b>						Wire Rack <b>pg. 26</b>	Wire Rack <b>pg. 26</b> Pop-up Rack <b>pg. 23</b>	
15			Refrigerator Rack <b>pg. 33</b>				Wire Rack <b>pg. 26</b>			
16		Floating Rack <b>pg. 27</b>	Floating Rack <b>pg. 27</b>					OneRack® <b>pg. 14</b>		
18			Foam Rack <b>pg. 27</b>							
20			Floating Rack <b>pg. 27</b> Tube Rack 20-well <b>pg. 21</b>				OneRack® <b>pg. 14</b>			
21							Pop-up Rack <b>pg. 23</b>			
24			Microtube Racks <b>pg. 18</b> Roam Rack <b>pg. 27</b>						OneRack® <b>pg. 14</b>	
32	Rota-Rack® <b>pg. 18</b>									
36				OneRack® <b>pg. 14</b>	OneRack® <b>pg. 14</b>					
40						5 mL/15 mL 16 mm Tube Rack <b>pg. 13</b>	OneRack® <b>pg. 14</b> Fold & Snap Rack <b>pg. 27</b>	One Rack® <b>pg. 14</b>		
48		Rota-Rack® Duo <b>pg. 17</b>								
50			Refrigerator Rack <b>pg. 33</b>		Grabrack <b>pg. 26</b> Peg Rack <b>pg. 17</b>			Wire Rack <b>pg. 26</b>	Wire Rack <b>pg. 26</b>	
60						Fold & Snap Rack <b>pg. 27</b>				
72				OneRack® <b>pg. 14</b>	OneRack® <b>pg. 14</b> Wire Tube Rack					
80			Microtube Rack 80 well <b>pg. 20</b>							
90				Fold & Snap Rack <b>pg. 27</b>						
96	Rota-Rack® Duo <b>pg. 17</b>		Microtube Racks <b>pg. 18</b> Rota-Rack® Duo <b>pg. 17</b>		Peg Rack <b>pg. 17</b>					
108					Wire Rack <b>pg. 26</b>					
120					Megarack <b>pg. 25</b>					
216				Megarack <b>pg. 25</b>						
240					Megarack <b>pg. 25</b>					
432				Megarack <b>pg. 25</b>						

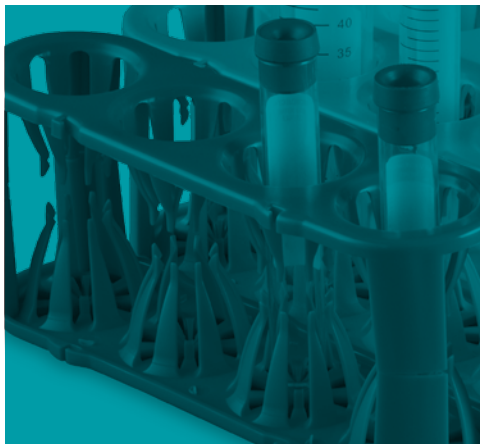
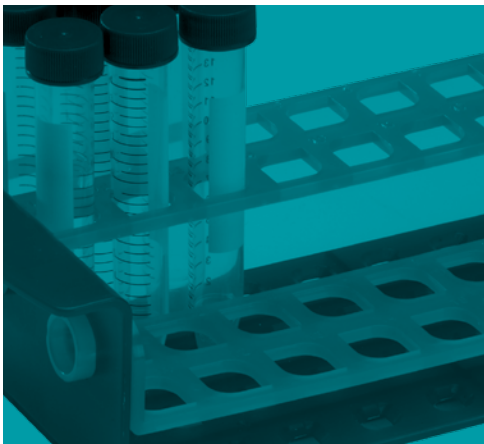


1. Search by diameter on the horizontal axis
2. Search by number of wells on the vertical axis
3. Find the suggested tube rack and page number
4. Go to product page for more information

**Tube Storage Box** = Cryo  
**PP** = Polypropylene  
**CRD BRD BX.** = Cardboard Box

### Multi-tube Size Racks

Tube Vol.	0.2 mL	0.5 mL	1.5/2.0 mL	5.0 mL	12 mL		15 mL	50 mL
Tube Dia.	6.3 mm	7.8 mm	10.9 mm		10-13 mm	13-16 mm	18-20 mm	30-33 mm
Wells								
4			Puzzle Rack <b>pg. 22</b>	Adapt-a-Rack™ <b>pg. 22</b>			Adapt-a-Rack™ <b>pg. 22</b>	4-way Rack <b>pg. 24</b> Adapt-a-Rack <b>pg. 22</b> Cube Rack <b>pg. 24</b> Puzzle Rack <b>pg. 22</b>
8			Puzzle Rack <b>pg. 22</b>					
9							Puzzle Rack <b>pg. 22</b>	
10							Cube Rack <b>pg. 24</b>	
12			3-way Rack <b>pg. 20</b>		cube rack <b>pg. 24</b>		4-way Rack <b>pg. 24</b> Universal Rack <b>pg. 23</b>	Universal Rack <b>pg. 23</b>
14		3-way Rack <b>pg. 20</b>						
16			Cube Rack <b>pg. 24</b>					
20								Fold and Snap <b>pg. 27</b>
24	3-way Rack <b>pg. 20</b>							
30							Fold and Snap <b>pg. 27</b>	
32		4-way Rack <b>pg. 24</b>	4-way Rack <b>pg. 24</b>					
64			TracRack™ <b>pg. 13</b>					
96		TracRack™ <b>pg. 13</b>						
5x5 (25)			Arctic Squares Box <b>pg. 31</b>	Corrugated PP <b>pg. 29</b>				
9								Trns. Cube Rack <b>pg. 33</b>
16							Corrugated PP <b>pg. 29</b> Trns. Cube Rack <b>pg. 33</b>	Crd Brd Cryogenic Box <b>pg. 30</b>
6x6 (36)							Crd Brd Cryogenic Box <b>pg. 30</b>	Corrugated PP <b>pg. 29</b>
40		PCR® Reversible Rack <b>pg. 20</b>		5 mL/15 mL 16 mm Tube Rack <b>pg. 13</b>			5 mL/15 mL/ 16 mm Tube Rack <b>pg. 13</b>	
50			50-well Microtube Bx. <b>pg. 34</b>					
8x8 (64)		Work 2 Store® <b>pg. 16</b>	Work 2 Store® <b>pg. 16</b>			Crd Brd Cryogenic Bx. <b>pg. 30</b>		
9x9 (81)		Corrugated PP <b>pg. 29</b>	Arctic Squares Box <b>pg. 31</b> 81-Well Microtube Bx <b>pg. 34</b> 2" Thin Film Bx <b>pg. 29</b> Corrugated PP <b>pg. 29</b>	Arctic Squares Box <b>pg. 31</b>				
10x10 (100)		Crd Brd Microtube Bxs <b>pg. 30</b>	100-well Microtube Box <b>pg. 34</b> Crd Brd Cryogenic Box <b>pg. 30</b>	Arctic Square Bx. <b>pg. 31</b> Crd Brd Cryogenic Box <b>pg. 30</b>				
96	Work 2 Store® <b>pg. 16</b> PCR® racks <b>pg. 21</b>		Reversible Racks 96-well <b>pg. 21</b>					
12x12 (144)	Corrugated PP <b>pg. 29</b>							
168	Crd Brd Microtube Bxs <b>pg. 30</b> PCR® Racks <b>pg. 20</b>							



# tube racks

Standard, adaptable, interlocking racks and everything in between.



Unique tear drop shaped openings for better retention of tubes



## TracRack®

Take what you need and store the rest

- Segments box made of polypropylene
- Eight segments per box
- 1.5 -2.0 mL cryo and micro-centrifuge tubes (64 tubes)
- A cryogenic vial lock for one-handed cap removal

Part No.	Tubes	Wells	Well Dia.	L x W x H	Pkg.	Color
HS120356	1.5/2.0 mL	64	12.3 mm	5.09 x 5.1 x 1.37 in (12.93 x 13.0 x 3.5 cm)	1/ea	Purple

## TracRack® Micro

- Segments box made of polypropylene
- Eight reversible segments per box
- 64 x 0.5 mL tubes, 96 x 0.2 mL micro tubes, or a combination of both

Part No.	Tubes	Wells	Well Dia.	L x W x H	Pkg.	Color
HS120357	0.2 mL	64	5.1 mm	5.09 x 5.1 x 1.37 in (12.93 x 13.0 x 3.5 cm)	1/ea	Lt. Purple
	0.5 mL	96	7.8 mm			

## TracRack® Outer Box

- Made from thin film polypropylene material
- Store down to temperatures of -80°C
- Moisture resistant, significantly reducing the chance of mold
- Removable segments allow outer shell to be used for storage of other small laboratory products
- 2 in. (5.3 cm) boxes fit in standard freezer racks

## 5 mL/15 mL/16mm Test Tube Rack

Rotate with ease to accommodate your needs

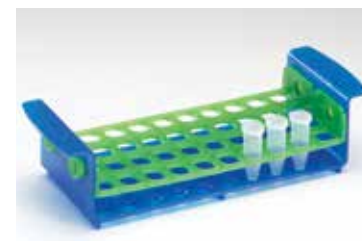
This multi-purpose rack is designed with the flexibility to hold 20 - 5 mL and 20 - 15 mL tubes OR to hold 40 - 5 mL or 40 - 15 mL tubes. The rack incorporates two moving hinged upper shelves that can be rotated to an up or down position to accommodate the size of the tube being used. In addition, the rack can also hold clinical tubes of a similar diameter (16 mm) and height.

- Rack holds 5 or 15 mL tubes (or tubes up to 16 mm in diameter) or a combination of 20 - 5 mL or 15 mL tubes.
- Unique tear drop shaped openings (top tray) for better retention of tubes
- Ergonomic handles for ease of use
- Imprinted grid on both sides of the upper shelves for quick identification and retrieval
- Shelves can be easily rotated to accommodate the different size tubes

Part No.	Tubes	Wells	Well Dia.	L x W x H	Pkg.	Color
HS120167	5/15 mL	40	17 mm	12.16 x 4.21 x 3.03 in (30.9 x 10.7 x 7.7 cm)	1/ea	Purple Natural <input type="checkbox"/>
HS120467	5/15 mL	40	17 mm	12.16 x 4.21 x 3.03 in (30.9 x 10.7 x 7.7 cm)	1/ea	Green Blue



Rotate one or both segments up to hold 15 mL or clinical tubes



Rotate one or both segments down to hold 5 mL tubes



reversible

# One rack®

## test tube rack

### Tough and more highly resistant to acids, bases, solvents and heat

One**rack**® durable racks are molded in a single, continuous piece so no assembly required and there are no detachable pieces.

#### Delrin® Fiberglass-Reinforced Polyoxymethylene (POM)

- Offers the highest chemical and heat resistance (-40 to +140°C)
- Available in half and full rack sizes for 5 different tube diameters
- **Autoclavable**

#### Polypropylene

- Offers good chemical and heat resistance (0 to 110°C)
- Available in half and full rack sizes for 2 different tube diameters
- **Not recommended for autoclaving**

#### Both Rack Materials

- Have molded coordinates for tube orientation
- Stable design for use in water baths
- Flat labeling area for easier identification



Compact half-size racks



Full-size racks

## Full-Size Delrin®

Part No.	Tubes	Wells	Well Dia.	L x W x H	Pkg.	Color	
HS27511A	5 - 10 mL	72	13 mm	7.9 x 4 x 2.3 in (20.2 x 10.4 x 5.9 cm)	8/pkg	White	<input type="checkbox"/>
HS27512A	5 - 10 mL	72	16 mm	9.8 x 5 x 2.7 in (25 x 12.7 x 7 cm)	8/pkg	White	<input type="checkbox"/>
HS27513A	10 - 18 mL	40	20 mm	9.9 x 3.9 x 3.2 in (25.2 x 10 x 8.3 cm)	8/pkg	White	<input type="checkbox"/>
HS27514A	10 - 18 mL	40	25 mm	11.8 x 4.7 x 3.6 in (30 x 12 x 9.2 cm)	8/pkg	White	<input type="checkbox"/>
HS27515A	15 - 50 mL	24	30 mm	11.1 x 4.3 x 3.3 in (28.2 x 11 x 8.5 cm)	8/pkg	White	<input type="checkbox"/>
HS27511B	5 - 10 mL	72	13 mm	7.9 x 4 x 2.3 in (20.2 x 10.4 x 5.9 cm)	8/pkg	Blue	
HS27512B	5 - 10 mL	72	16 mm	9.8 x 5 x 2.7 in (25 x 12.7 x 7 cm)	8/pkg	Blue	
HS27513B	10 - 18 mL	40	20 mm	9.9 x 3.9 x 3.2 in (25.2 x 10 x 8.3 cm)	8/pkg	Blue	
HS27514B	10 - 18 mL	40	25 mm	11.8 x 4.7 x 3.6 in (30 x 12 x 9.2 cm)	8/pkg	Blue	
HS27515B	15 - 50 mL	24	30 mm	11.1 x 4.3 x 3.3 in (28.2 x 11 x 8.5 cm)	8/pkg	Blue	
HS27511C	5 - 10 mL	72	13 mm	7.9 x 4 x 2.3 in (20.2 x 10.4 x 5.9 cm)	8/pkg	Green	
HS27512C	5 - 10 mL	72	16 mm	9.8 x 5 x 2.7 in (25 x 12.7 x 7 cm)	8/pkg	Green	
HS27513C	10 - 18 mL	40	20 mm	9.9 x 3.9 x 3.2 in (25.2 x 10 x 8.3 cm)	8/pkg	Green	
HS27514C	10 - 18 mL	40	25 mm	11.8 x 4.7 x 3.6 in (30 x 12 x 9.2 cm)	8/pkg	Green	
HS27515C	15 - 50 mL	24	30 mm	11.1 x 4.3 x 3.3 in (28.2 x 11 x 8.5 cm)	8/pkg	Green	
HS27511D	5 - 10 mL	72	13 mm	7.9 x 4 x 2.3 in (20.2 x 10.4 x 5.9 cm)	8/pkg	Magenta	
HS27512D	5 - 10 mL	72	16 mm	9.8 x 5 x 2.7 in (25 x 12.7 x 7 cm)	8/pkg	Magenta	
HS27513D	10 - 18 mL	40	20 mm	9.9 x 3.9 x 3.2 in (25.2 x 10 x 8.3 cm)	8/pkg	Magenta	
HS27514D	10 - 18 mL	40	25 mm	11.8 x 4.7 x 3.6 in (30 x 12 x 9.2 cm)	8/pkg	Magenta	
HS27515D	15 - 50 mL	24	30 mm	11.1 x 4.3 x 3.3 in (28.2 x 11 x 8.5 cm)	8/pkg	Magenta	
HS120205	5 - 10 mL	72	13 mm	7.9 x 4 x 2.3 in (20.2 x 10.4 x 5.9 cm)	8/pkg	Yellow	
HS120206	5 - 10 mL	72	16 mm	9.8 x 5 x 2.7 in (25 x 12.7 x 7 cm)	8/pkg	Yellow	
HS120207	15 - 50 mL	24	30 mm	11.1 x 4.3 x 3.3 in (28.2 x 11 x 8.5 cm)	8/pkg	Yellow	

## Half-Size Delrin®

Part no.	Tubes	Wells	Well Dia.	L x W x H	Pkg.	Color	
HS27501A	5 - 10 mL	36	13 mm	4.1 x 4.1 x 2.3 in (10.4 x 10.4 x 5.9 cm)	8/pkg	White	<input type="checkbox"/>
HS27502A	5 - 10 mL	36	16 mm	5 x 5 x 2.7 in (12.7 x 12.7 x 7 cm)	8/pkg	White	<input type="checkbox"/>
HS27503A	10 - 18 mL	20	20 mm	4 x 5 x 3.2 in (10 x 12.7 x 8.3 cm)	8/pkg	White	<input type="checkbox"/>
HS27504A	10 - 18 mL	16	25 mm	4.7 x 4.8 x 3.6 in (12 x 12.2 x 9.2 cm)	8/pkg	White	<input type="checkbox"/>
HS27505A	15 - 50 mL	9	30 mm	4.3 x 4.3 x 3.3 in (11 x 11 x 8.5 cm)	8/pkg	White	<input type="checkbox"/>
HS27501B	5 - 10 mL	36	13 mm	4.1 x 4.1 x 2.3 in (10.4 x 10.4 x 5.9 cm)	8/pkg	Blue	
HS27502B	5 - 10 mL	36	16 mm	5 x 5 x 2.7 in (12.7 x 12.7 x 7 cm)	8/pkg	Blue	
HS27503B	10 - 18 mL	20	20 mm	4 x 5 x 3.2 in (10 x 12.7 x 8.3 cm)	8/pkg	Blue	
HS27504B	10 - 18 mL	16	25 mm	4.7 x 4.8 x 3.6 in (12 x 12.2 x 9.2 cm)	8/pkg	Blue	
HS27505B	15 - 50 mL	9	30 mm	4.3 x 4.3 x 3.3 in (11 x 11 x 8.5 cm)	8/pkg	Blue	
HS27501C	5 - 10 mL	36	13 mm	4.1 x 4.1 x 2.3 in (10.4 x 10.4 x 5.9 cm)	8/pkg	Green	
HS27502C	5 - 10 mL	36	16 mm	5 x 5 x 2.7 in (12.7 x 12.7 x 7 cm)	8/pkg	Green	
HS27503C	10 - 18 mL	20	20 mm	4 x 5 x 3.2 in (10 x 12.7 x 8.3 cm)	8/pkg	Green	
HS27504C	10 - 18 mL	16	25 mm	4.7 x 4.8 x 3.6 in (12 x 12.2 x 9.2 cm)	8/pkg	Green	
HS27505C	15 - 50 mL	9	30 mm	4.3 x 4.3 x 3.3 in (11 x 11 x 8.5 cm)	8/pkg	Green	
HS27501D	5 - 10 mL	36	13 mm	4.1 x 4.1 x 2.3 in (10.4 x 10.4 x 5.9 cm)	8/pkg	Magenta	
HS27502D	5 - 10 mL	36	16 mm	5 x 5 x 2.7 in (12.7 x 12.7 x 7 cm)	8/pkg	Magenta	
HS27503D	10 - 18 mL	20	20 mm	4 x 5 x 3.2 in (10 x 12.7 x 8.3 cm)	8/pkg	Magenta	
HS27504D	10 - 18 mL	16	25 mm	4.7 x 4.8 x 3.6 in (12 x 12.2 x 9.2 cm)	8/pkg	Magenta	
HS27505D	15 - 50 mL	9	30 mm	4.3 x 4.3 x 3.3 in (11 x 11 x 8.5 cm)	8/pkg	Magenta	
HS120398	5 - 10 mL	36	13 mm	4.1 x 4.1 x 2.3 in (10.4 x 10.4 x 5.9 cm)	8/pkg	Yellow	
HS120399	5 - 10 mL	36	16 mm	5 x 5 x 2.7 in (12.7 x 12.7 x 7 cm)	8/pkg	Yellow	

## Full-Size Polypropylene

Part No.	Tubes	Wells	Well Dia.	L x W x H	Pkg.	Color	
HS27551A	5 - 10 mL	72	13 mm	7.9 x 4 x 5.9 in (20.2 x 10.4 x 5.9 cm)	8/pkg	White	<input type="checkbox"/>
HS27552A	5 - 10 mL	72	16 mm	9.8 x 5 x 2.7 in (25 x 12.7 x 7 cm)	8/pkg	White	<input type="checkbox"/>
HS27551B	5 - 10 mL	72	13 mm	7.9 x 4 x 5.9 in (20.2 x 10.4 x 5.9 cm)	8/pkg	Blue	
HS27552B	5 - 10 mL	72	16 mm	9.8 x 5 x 2.7 in (25 x 12.7 x 7 cm)	8/pkg	Blue	
HS27551C	5 - 10 mL	72	13 mm	7.9 x 4 x 5.9 in (20.2 x 10.4 x 5.9 cm)	8/pkg	Green	
HS27552C	5 - 10 mL	72	16 mm	9.8 x 5 x 2.7 in (25 x 12.7 x 7 cm)	8/pkg	Green	
HS27551D	5 - 10 mL	72	13 mm	7.9 x 4 x 5.9 in (20.2 x 10.4 x 5.9 cm)	8/pkg	Magenta	
HS27552D	5 - 10 mL	72	16 mm	9.8 x 5 x 2.7 in (25 x 12.7 x 7 cm)	8/pkg	Magenta	



# work2 store®

## Expanding storage boxes Single rack, double function

Reduce sample handling time and the need for several racks when working with samples for cold temperature storage.

Patented opening and closing mechanism allows the rack to expand, creating needed room for sample manipulation.

When done, simply collapse the rack back to its compact form and it's ready for the freezer.

Two versions available, the original for holding 1.5/2.0 mL cryo and micro tubes and the new micro reversible version for holding 0.5 mL and 0.2 mL tubes. (See below)

- Instantly creates more working space
- Helps reduce potential cross contamination
- Stops opened microfuge lids from interfering with other wells
- Stackable, with alphanumeric well identifications
- Will fit into standard 2" (53 mm) freezer racking
- Temperature range -80 to 121°C

### Work2Store®

- Clear lid locks the rack together for safe handling and transportation
- Wells have a center depression to stabilize conical tubes and a cryogenic vial lock for one handed cap removal
- Holds 64 x 1.5/2.0 mL cryo and/or micro tubes
- **Autoclavable**



Part No.	Tubes	Wells	Well Dia.	L x W x H open (31 x 12.8 x 3.35 cm)	Pkg.	Color
<b>HS120018</b>	1.5/2.0 mL	64	12.3 mm	L x W x H closed - with lid 5.2 x 5.2 x 2 in (13.3 x 13.8 x 5.3 cm)	1/ea	White <input type="checkbox"/>

### Work2Store® micro

- 0.2 mL tube side has been configured to work with 8 strip, 12 strip or single tubes
- Low profile clear lid fits either side and locks the rack together for safe handling and transportation
- **Autoclavable**

Rack will hold 64 x 0.5 mL micro tubes on one side and 96 x 0.2 mL — micro tubes on the other side



Part No.	Tubes	Wells	Well Dia.	L x W x H open (31 x 12.8 x 3.1 cm)	Pkg.	Color
<b>HS120183</b>	64	0.5 mL	7.8 mm	12.2 x 5 x 1.2 in (31 x 12.8 x 3.1 cm)	1/ea	White <input type="checkbox"/>
	96	0.2 mL	5.1 mm	L x W x H closed - with lid 5.2 x 5.2 x 1.8 in (13.3 x 13.3 x 4.8 cm)		



SEE PAGE 71 for cryo vials

## Peg Racks

Strong, tough, versatile racks for bench or tube storage

Fiberglass-reinforced polypropylene racks are ideal for bench work or tube storage.

- Made from polypropylene
- Spacious peg design allows easy viewing of tube contents
- Use as a drying rack for glass plates or upside-down tubes
- Pegs remain straight even after repeated autoclaving
- Embossed indexing, ribbed grips, and drainage holes

- **Autoclavable**

Part No.	Tubes	Pegs	Wells Dia.	L x W x H	Pkg.	Color
<b>HS24311A</b>	10 mL	50	14–17 mm	7.4 x 4.1 x 2.71 in (18.8 x 10.4 x 6.9 cm)	2/pk	White <input type="checkbox"/>
<b>HS24311B</b>	10 mL	50	14–17 mm	7.4 x 4.1 x 2.71 in (18.8 x 10.4 x 6.9 cm)	2/pk	Blue
<b>HS24312A</b>	7 mL	96	10–13 mm	3.2 x 4.96 x 2.71 in (8.2 x 12.6 x 6.9 cm)	2/pk	White <input type="checkbox"/>
<b>HS24312B</b>	7 mL	96	10–13 mm	3.2 x 4.96 x 2.71 in (8.2 x 12.6 x 6.9 cm)	2/pk	Blue



## Rota-Rack® Duo

Dilution and concentration studies made easy

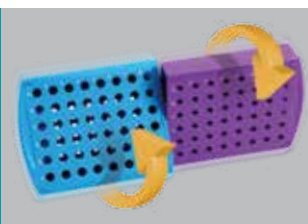
- Made from polypropylene
- Transfer solutions between 0.2 mL PCR® tubes and 0.5 and 1.5 mL micro centrifuge tubes
- Rotate and customize to suit your application needs. 4 combinations possible
- Blue section holds 48 x 0.5 mL and 48 x 1.5 mL micro centrifuge tubes on the reverse side
- Purple section holds 96 x 0.2 mL tubes in a standard array pattern and 48 x 1.5 mL tubes on the reverse side
- Tapered wells securely suspend tubes and makes removal easy
- Alphanumeric well identification

- **Autoclavable**

Part No.	Tubes	Wells	Well Dia.	L x W x H	Pkg.	Color
<b>HS29041A</b>	0.2 mL	96	5.0 mm	11.6 x 4.6 x 1.33 in (29.6 x 11.8 x 3.4 cm)	1/ea	Blue/Purple
	0.5 mL	48	8.0 mm			
	1.5/2.0 mL	96	11 mm			



Rotate and customize to suit your application needs



## Cryogenic Vial Holders

Safely store and transport cryogenic vials

- Made from polycarbonate—can withstand cryogenic freezing down to -196°C
- Well tabs allow one-handed opening and closing of vials that have a slot feature
- Embossed index numbers and squared, upper left corner provide easy orientation
- Ribbed grips make handling with gloves easier

- **Autoclavable**

Part No.	Tubes	Wells	Wells Dia.	L x W x H	Pkg.	Color
<b>HS23229B</b>	2-5 mL	50	12.9 mm	4.1 x .79 x 0.9 in (10.5 x 2 x 2.3 cm)	4/pk	Blue



## Rota-Rack® Tube Racks

Get organized with this fun, interlocked rack

- Made from polypropylene
- Rotate each of the four modules independently to configure for the tubes that you want to use.
- Suitable for a massive variety of culture, centrifuge, micro centrifuge, round, flat or conical bottomed tubes
- Two versions to accommodate small and large tubes
- **Autoclavable**

Part No.	Tubes	Wells	Wells Dia.	L x W x H	Pkg.	Color
HS29040A	50 mL	2	29 mm	8.81 x 4.33 x 4.33 in (22.4 x 11 x 11 cm)	1/pk	Yellow, Green, Blue, Purple
	10-15 mL	8	20 mm			
	15-20 mL	6	16.0 mm			
	10-13 mL	10	13.5 mm			
HS29040B	15 mL	6	16.4 mm	8.2 x 3.9 x 3.9 in (21 x 10 x 10 cm)	1/pk	Yellow, Green, Blue, Purple
	1.5/2.0 mL	9	11.2 mm			
	.5 mL	12	8.0 mm			
	.2 mL	32	6.5 mm			



Twist and turn to suit your application



## Microtube Tube Racks

- Made from reinforced nylon
- Superior, chemical- and heat-resistance
- Handles provide easy and safe transportation
- Stackable two formats available for smaller and larger requirements
- **Autoclavable**

Part No.	Tubes	Wells	Wells Dia.	L x W x H	Pkg.	Color
HS120241	1.5/2.0 mL	24	11.1 mm	5.6 x 3.5 2 in (14.3 x 9 x 5.2 cm)	8/pk	Blue
HS120242	1.5/2.0 mL	24	11.1 mm	5.6 x 3.5 2 in (14.3 x 9 x 5.2 cm)	8/pk	White <input type="checkbox"/>
HS120243	1.5/2.0 mL	96	11.1 mm	8.2 x 5.1 x 2.1 (21 x 13.1 x 5.4 cm)	4/pk	Blue
HS120244	1.5/2.0 mL	96	11.1 mm	8.2 x 5.1 x 2.1 (21 x 13.1 x 5.4 cm)	4/pk	White <input type="checkbox"/>



## Snap-Together Conical Tube Rack

- Use 15 and 50 mL tubes simultaneously
- Shipped flat, easy-to-assemble ABS racks snap together securely
- Designed for stable use in water baths
- Alphanumeric grid reference aids for tube identification
- *Not recommended for autoclaving*

Part No.	Tubes	Wells	Wells Dia.	L x W x H	Pkg.	Color
HS24306	15 mL	30	17 mm	8.1 x 6.7 x 2.4 in	8/pkg	Orange
	50 mL	20	28 mm	(17.1 x 17 x 6.1 cm)		



## One-Well Tube Racks

### Tube holders for small space requirements

- Both racks hold conical and round bottom tubes

Part No.	Tubes	Wells	Wells Dia.	L x W x H	Pkg.	Color
HS23051	50 mL	1	29 mm	3.54 x 2.63 x 2.63 in	(9.0 x 6.7 x 6.7 cm)	5/pkg Yellow
HS23053A	50 mL	1	29 mm	3.62 x 1.18 in	(9.2 x 3.0 cm)	5/pkg Blue

### Wire (HS23051):

- Epoxy-coated steel
- Base ring keeps tubes in place
- Low temperature -40°C
- **Autoclavable**



### Friction-Fit (HS23053A):

- Made from polystyrene
- Slides smoothly across the benchtop
- **Not recommended for autoclaving**



## One-Well Connecting Tube Racks

- Made of polypropylene
- Form a line of 50 mL tubes, or use as a single, stand-alone rack.
- Molded circular base ring keeps conical or round-bottom tubes in place

Part No.	Tubes	Wells	Wells Dia.	L x W x H	Pkg.	Color
HS23052	50 mL	1	29 mm	3.2 x 2.8 x 2.63 in	5/pkg	*

\*Assorted colors (Blue, Green, Pink, Yellow, Orange)



## Microtube Racks 80-Well

### Popular fraction-collector-plate style rack

- Made of polypropylene
- Easily fill and transfer 80 tubes in compact arrangement compact arrangement (5 x 16 array)
- Molded-in coordinates to aid organization
- **Autoclavable**

Part No.	Tubes	Wells	Well Dia.	L x W x H	Pkg.	Color
HS29025A	1.5/2.0 mL	80	11 mm	8.9 x 2.6 x 1 in (22.5 x 6.7 x 2.8 cm)	5/pk	Natural <input type="checkbox"/>
HS29025B	1.5/2.0 mL	80	11 mm	8.9 x 2.6 x 1 in (22.5 x 6.7 x 2.8 cm)	5/pk	Blue
HS29025C	1.5/2.0 mL	80	11 mm	8.9 x 2.6 x 1 in (22.5 x 6.7 x 2.8 cm)	5/pk	Green
HS29025D	1.5/2.0 mL	80	11 mm	8.9 x 2.6 x 1 in (22.5 x 6.7 x 2.8 cm)	5/pk	Pink
HS29025E	1.5/2.0 mL	80	11 mm	8.9 x 2.6 x 1 in (22.5 x 6.7 x 2.8 cm)	5/pk	Yellow
HS29025F	1.5/2.0 mL	80	11 mm	8.9 x 2.6 x 1 in (22.5 x 6.7 x 2.8 cm)	5/pk	Orange
HS29025G	1.5/2.0 mL	80	11 mm	8.9 x 2.6 x 1 in (22.5 x 6.7 x 2.8 cm)	5/pk	*
HS29025J	1.5/2.0 mL	80	11 mm	8.9 x 2.6 x 1 in (22.5 x 6.7 x 2.8 cm)	5/pk	Red

\*Assorted colors (Blue, Green, Pink, Yellow, Orange)

SEE PAGE 91 for acrylic holder for microtube racks

## 3-Way Racks

### Tiered interlocking racks make sample transfer easier and increases storage

- Made of polypropylene
- Finger slots are molded into the rack for easy pickup and moving
- Racks connect to one another on either end
- Lowest level holds individual 0.2 mL tubes or strips of 8 or 12 tubes
- Middle tier holds 0.5 mL tubes
- Top tier holds 1.5 mL tubes
- **Autoclavable**

Part No.	Tubes	Wells	Well Dia.	L x W x H	Pkg.	Color
	0.2 mL	24	6.3 mm	6.4 x 4.8 x 2.4 in (16.4 x 12.3 x 6.2 cm)	6/pk	
HS4289B	0.5 mL	14	7.8 mm	6.4 x 4.8 x 2.4 in (16.4 x 12.3 x 6.2 cm)	6/pk	<input type="checkbox"/>
	1.5/2.0 mL	12	11 mm	6.4 x 4.8 x 2.4 in (16.4 x 12.3 x 6.2 cm)	6/pk	*

\*Assorted colors (Blue, Green, Natural, Pink, Yellow, Orange)



## PCR® Racks Reversible

### Removable hinged lid fits both sides

- PCR® side of the rack holds 8 or 12 x 0.2 mL tube strips or individual tubes
- Reverse side holds 0.5 mL tubes
- Both sides of the rack have 12 wells for 1.5 mL tubes
- **Autoclavable**

Part No.	Tubes	Wells	Well Dia.	L x W x H	Pkg.	Color
	0.2 mL	168	5.5 mm	8.11 x 5.16 x 2.13 in (20.6 x 13.1 x 5.4 cm)	5/pk	
HS2344A	0.5 mL	40	7.6 mm	8.11 x 5.16 x 2.13 in (20.6 x 13.1 x 5.4 cm)	5/pk	
	1.5/2.0 mL	12	11.4 mm	8.11 x 5.16 x 2.13 in (20.6 x 13.1 x 5.4 cm)	5/pk	*

\*Assorted colors (Blue, Green, Pink, Yellow, Orange)





## Reversible Racks 96-Well

Easy-to-grasp tabs for sample handling and storage

96 wells for 0.5 mL tubes on one side and 96 wells for 1.5/2.0 mL tubes on the reverse side.

- Made of polypropylene
- Wells are arranged in standard 8 x 12 array
- Tabs on each end of rack snap lid into place
- 0.5 mL wells separated by molded-in grid lines, making them easier to see
- Raised rings around the 1.5 to 2.0 mL wells make tubes easier to remove
- **Autoclavable**

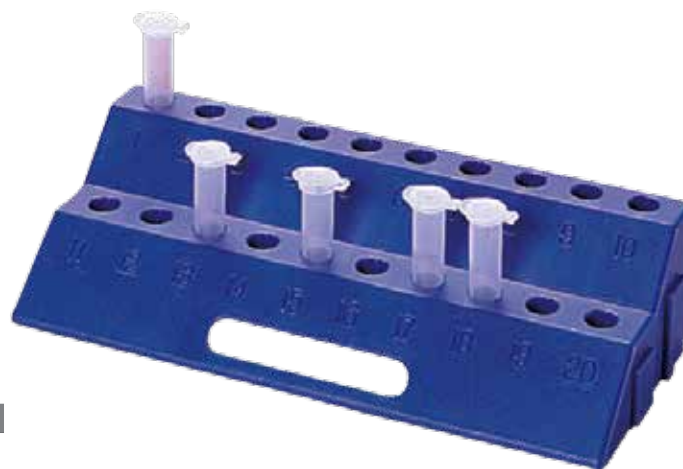
Part No.	Tubes	Wells	Well Dia.	L x W x H	Pkg.	Color	
HS2345A	1.5/2.0 mL 0.5 mL	96	11 / 7.6	9.6 x 4.7 x 2 in (24.6 x 12.1 x 5 cm)	5/pk		*
HS2345B	1.5/2.0 mL 0.5 mL	96	11 / 7.6	9.6 x 4.7 x 2 in (24.6 x 12.1 x 5 cm)	5/pk	Natural	<input type="checkbox"/>
HS2345C	1.5/2.0 mL 0.5 mL	96	11 / 7.6	9.6 x 4.7 x 2 in (24.6 x 12.1 x 5 cm)	5/pk	Blue	
HS2345D	1.5/2.0 mL 0.5 mL	96	11 / 7.6	9.6 x 4.7 x 2 in (24.6 x 12.1 x 5 cm)	5/pk	Green	
HS2345E	1.5/2.0 mL 0.5 mL	96	11 / 7.6	9.6 x 4.7 x 2 in (24.6 x 12.1 x 5 cm)	5/pk	Pink	
HS2345F	1.5/2.0 mL 0.5 mL	96	11 / 7.6	9.6 x 4.7 x 2 in (24.6 x 12.1 x 5 cm)	5/pk	Yellow	

\*Assorted colors (Blue, Green, Pink, Yellow, Orange)

## Tube Rack 20-Well

Interlock multiple racks to increase tube storage

- Made of polypropylene
- Easily remove tubes using finger slot on front of the rack
- Racks have large molded coordinates for easy tube identification
- Bi-level rack enables easy tube label identification
- **Autoclavable**



Part No.	Tubes	Wells	Well Dia.	L x W x H	Pkg.	Color
HS4284A	0.5 mL	20	10 mm	0.839 x 3.54 x 1.97 in (21.1 x 9 x 5 cm)	6/pk	Blue
	1.0 mL					
	1.5 mL					
	2.0 mL					

## PCR® Racks 96-Well

Perfect for pre- or post-PCR® sampling

- Made of polypropylene
- Accommodates individual tubes or strips
- Removable hinged lid lies flat
- Tube wells are easily identified with embossed numbers and letters
- **Autoclavable**

Part No.	Tubes	Wells	Wells Dia.	L x W x H	Pkg.	Color
HS23461A	0.2 mL	96	5.2 mm	5 x 3.86 x 1.2 in (13 x 9.8 x 3.3 cm)	5/pk	*
HS23461B	0.2 mL	96	5.2 mm	5 x 3.86 x 1.2 in (13 x 9.8 x 3.3 cm)	5/pk	Natural <input type="checkbox"/>
HS23461C	0.2 mL	96	5.2 mm	5 x 3.86 x 1.2 in (13 x 9.8 x 3.3 cm)	5/pk	Blue
HS23461D	0.2 mL	96	5.2 mm	5 x 3.86 x 1.2 in (13 x 9.8 x 3.3 cm)	5/pk	Green

\*Assorted colors (Blue, Green, Pink, Yellow, Orange)



PCR® is a registered trademark of Hoffman-LaRoche Inc.



## Adapt-a-Rack™ Flexible multi-tube rack

Each slot adapts to accommodate 12 mm–30 mm (5 mL–50 mL) tubes sizes and holds them in a firm upright position.

- Made of POM
- Racks can be linked together for additional holding capacity
- Open sides allow for label viewing
- Flat base to hold tubes upright
- Available in solid or a combination of colors for easy coding identification
- **Autoclavable**



Available in solid or a combination of colors



Holds different size tubes in each slot

Part No.	Tubes	Wells	Wells Dia.	L x W x H	Pkg.	Rack #1 Color	Rack #2 Color
HS120184	5 – 50 mL	4	12 – 30 mm	7.12 x 2.20 x 3.0 in (18.1 x 5.6 x 7.6 cm)	2/pk	Blue/Green	Green/Blue
HS120185	5 – 50 mL	4	12 – 30 mm	7.12 x 2.20 x 3.0 in (18.1 x 5.6 x 7.6 cm)	2/pk	Blue/Yellow	Yellow/Blue
HS120186	5 – 50 mL	4	12 – 30 mm	7.12 x 2.20 x 3.0 in (18.1 x 5.6 x 7.6 cm)	2/pk	Pink/White	White/Pink
HS120187	5 – 50 mL	4	12 – 30 mm	7.12 x 2.20 x 3.0 in (18.1 x 5.6 x 7.6 cm)	2/pk	Blue/Blue	Blue/Blue
HS120188	5 – 50 mL	4	12 – 30 mm	7.12 x 2.20 x 3.0 in (18.1 x 5.6 x 7.6 cm)	2/pk	White/White	White/White
HS120189	5 – 50 mL	4	12 – 30 mm	7.12 x 2.20 x 3.0 in (18.1 x 5.6 x 7.6 cm)	2/pk	Pink/Pink	Pink/Pink
HS120190	5 – 50 mL	4	12 – 30 mm	7.12 x 2.20 x 3.0 in (18.1 x 5.6 x 7.6 cm)	2/pk	Yellow/Yellow	Yellow/Yellow
HS120191	5 – 50 mL	4	12 – 30 mm	7.12 x 2.20 x 3.0 in (18.1 x 5.6 x 7.6 cm)	2/pk	Green/Green	Green/Green



Racks link together

## Puzzle Rack Fun and functional racks slide to connect

- Made of polypropylene
- Two-sided puzzle-shaped pieces hold an assortment of 1.5/2.0, 15 and 50 mL test tubes
- Pieces can be used separately for small sample applications or connect in a square or row configurations
- Imprinted references aid easy identification of tubes
- **Autoclavable**

Part No.	Tubes	Wells	Wells Dia.	L x W x H (expanded)	Pkg.	Color
HS29060A	15 mL	9	16.9 mm	5.9 x 5.31 x 2.59 in (15.1 x 13.5 x 6.6 cm)	4/pk	*
	50 mL	4	29.5 mm			
	1.5/ 2.0 mL	8/4	11.7 mm			

\*Assorted colors (Yellow, Blue, Green, Orange)



## Universal Tube Rack

Ideal for holding a wide range of tubes

- Made of polypropylene
- Holds up to 12 similar size tubes
- Imprinted references for easy identification
- Side handles for easy transport
- **Not recommended for autoclaving**

Part no.	Tubes	Wells	Well Dia.	L x W x H	Pkg.	Color
HS24330A	15-50 mL	12	16-30 mm	7.6 x 5.5 x 2 in (19.4 x 14 x 5.1 cm)	1/ea	Blue/Purple



Adjustable slot adapts to different diameter tubes



## Pop-Up™ Racks

Collapse for compact storage and “pop-up” for quick use

- Made of polypropylene
- Easy to open — easy to close
- Designed to help organize 15 and 50 mL tubes
- Imprinted grid aids quick retrieval
- Stack racks in open or closed position
- Saves space when racks are not in use
- **Not recommended for autoclaving**



Easy to open



Easy to close

Part No.	Tubes	Wells	Wells Dia.	L x W x H (Expanded)	L x W x H (Collapsed)	Pkg.	Color
HS24320B	15 mL	21	17 mm	10 x 5.39 x 2.83 in (25.5 x 13.7 x 7.2 cm)	10 x 5.39 x 0.83 in (25.5 x 13.7 x 2.1 cm)	2/pk	Blue
	50 mL	12	30 mm				
HS24320P	15 mL	21	17 mm	10 x 5.39 x 2.83 in (25.5 x 13.7 x 7.2 cm)	10 x 5.39 x 0.83 in (25.5 x 13.7 x 2.1 cm)	2/pk	Pink
	50 mL	12	30 mm				
HS24318	15 mL	45	17 mm	10 x 5.39 x 2.83 in (25.5 x 13.7 x 7.2 cm)	10 x 5.39 x 0.83 in (25.5 x 13.7 x 2.1 cm)	2/pk	Purple
HS24319	50 mL	18	30 mm	10 x 5.39 x 2.83 in (25.5 x 13.7 x 7.2 cm)	10 x 5.39 x 0.83 in (25.5 x 13.7 x 2.1 cm)	2/pk	Green

## 4-Way Rack

Link together to cater for your application needs

Create as large a rack as you require for your bench top applications.

- Made of polypropylene
- **Autoclavable**



Part No.	Tubes	Wells	Well Dia.	L x W x H	Pkg.	Color	
HS29022A	50 mL	4	30 mm	6.85 x 3.74 x 2.04 in (17.4 x 9.5 x 5.2 cm)	5/pk	Natural	<input type="checkbox"/>
	15 mL	12	17.5 mm				
	0.5 mL	32	8.2 mm				
	1.5/2.0 mL	32	11.6 mm				
HS29022B	50 mL	4	30 mm	6.85 x 3.74 x 2.04 in (17.4 x 9.5 x 5.2 cm)	5/pk	Blue	<input type="checkbox"/>
	15 mL	12	17.5 mm				
	0.5 mL	32	8.2 mm				
	1.5/2.0 mL	32	11.6 mm				
HS29022C	50 mL	4	30 mm	6.85 x 3.74 x 2.04 in (17.4 x 9.5 x 5.2 cm)	5/pk	Green	
	15 mL	12	17.5 mm				
	0.5 mL	32	8.2 mm				
	1.5/2.0 mL	32	11.6 mm				
HS29022D	50 mL	4	30 mm	6.85 x 3.74 x 2.04 in (17.4 x 9.5 x 5.2 cm)	5/pk	Pink	
	15 mL	12	17.5 mm				
	0.5 mL	32	8.2 mm				
	1.5/2.0 mL	32	11.6 mm				
HS29022E	50 mL	4	30 mm	6.85 x 3.74 x 2.04 in (17.4 x 9.5 x 5.2 cm)	5/pk	Yellow	
	15 mL	12	17.5 mm				
	0.5 mL	32	8.2 mm				
	1.5/2.0 mL	32	11.6 mm				
HS29022F	50 mL	4	30 mm	6.85 x 3.74 x 2.04 in (17.4 x 9.5 x 5.2 cm)	5/pk	Orange	
	15 mL	12	17.5 mm				
	0.5 mL	32	8.2 mm				
	1.5/2.0 mL	32	11.6 mm				
HS29022G	50 mL	4	30 mm	6.85 x 3.74 x 2.04 in (17.4 x 9.5 x 5.2 cm)	5/pk		*
	15 mL	12	17.5 mm				
	0.5 mL	32	8.2 mm				
	1.5/2.0 mL	32	11.6 mm				

\*Assorted colors (Blue, Green, Pink, Yellow, Orange)

## Cube Rack

Interlocking multi-tube racks

- Made of polypropylene
- Allows you to work with different sized tubes all in the same plane
- **Autoclavable**

Part No.	Tubes	Wells	Well Dia.	L x W x H	Pkg.	Color
HS29050A	50 mL	4	30 mm	4.25 x 4.45 x 4.45 in (10.8 x 11.3 x 11.3 cm)	5/pk	*
	15 mL	10	17 mm			
	0.5 mL	12	11.5 mm			
	1.5/2.0 mL	16	12.7 mm			

\*Assorted colors (Blue, Green, Pink, Yellow, Orange)



## Mega Racks™

### High-capacity storage for your tubes

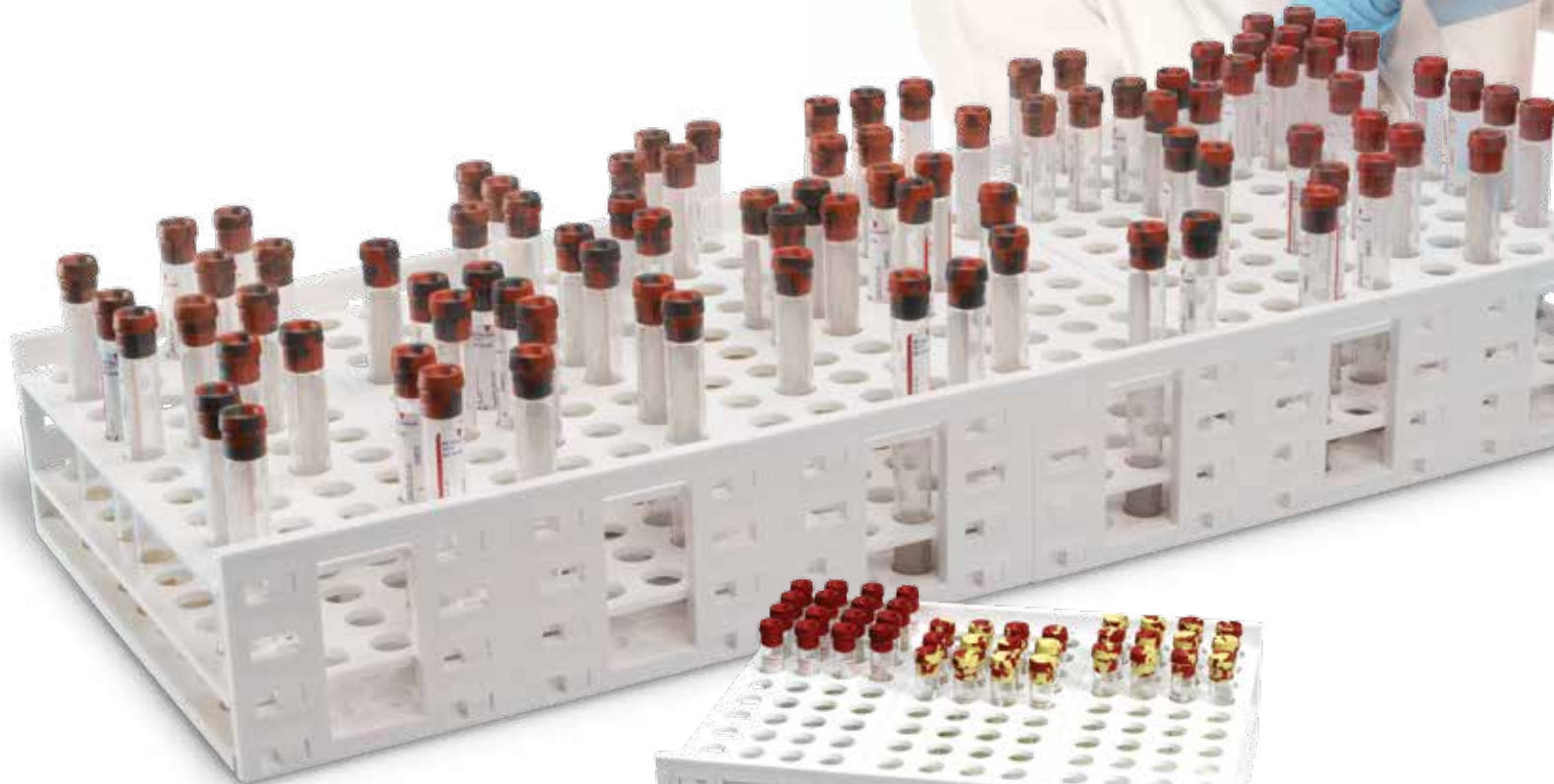
- Fully-assembled, polypropylene mega racks are great for high-throughput labs requiring large sample storage
- Sturdy, light-weight material for easy transport
- Alphanumeric identification for quick location and retrieval of tubes
- Place different test groupings into one rack eliminating the need for multiple racks

#### Single-Size Polypropylene

Part No.	Tubes	Wells	Well Dia.	L x W x H	Color
<b>HS24322A</b>	5-7 mL (13mm)	216	13 mm	13.26 x 10.51 x 3.58 in (33.7 x 26.7 x 9.1 cm)	Blue
<b>HS24322E</b>	5-7 mL (13mm)	216	13 mm	13.26 x 10.51 x 3.58 in (33.7 x 26.7 x 9.1 cm)	White <input type="checkbox"/>
<b>HS24323A</b>	10 mL (16 mm)	120	16 mm	13.26 x 10.51 x 3.58 in (33.7 x 26.7 x 9.1 cm)	Blue
<b>HS24323E</b>	10 mL (16 mm)	120	16 mm	13.26 x 10.51 x 3.58 in (33.7 x 26.7 x 9.1 cm)	White <input type="checkbox"/>

#### Double-Size Polypropylene

Part No.	Tubes	Wells	Well Dia.	L x W x H	Color
<b>HS120113</b>	5-7 mL (13mm)	432	10-13 mm	26.4 x 9 x 3.1 in (67.4 x 26.7 x 9.1 cm)	Blue
<b>HS120112</b>	5-7 mL (13mm)	432	10-13 mm	26.4 x 9 x 3.1 in (67.4 x 26.7 x 9.1 cm)	White <input type="checkbox"/>
<b>HS120115</b>	10 mL (16 mm)	240	13-16 mm	20.5 x 10.2 x 3.1 in (52.1 x 26.7 x 9.1 cm)	Blue
<b>HS120114</b>	10 mL (16 mm)	240	13-16 mm	20.5 x 10.2 x 3.1 in (52.1 x 26.7 x 9.1 cm)	White <input type="checkbox"/>



Double Mega Rack™



Single Mega Rack™

## Epoxy Coated Wire Racks

### Durable racks for transport or sample handling

- Chemically-resistant, epoxy-coated steel wire racks
- Suitable for conical, round or flat bottom, glass or plastic, tubes and bottles

- **Autoclavable**

Universal bottle tube racks	Part No.	Array	Wells	Wells Dia.	L x W x H	Pkg.	Color
	<b>HS120087</b>	2 x 6	12	33 mm	8.3 x 3.14 x 2.36 in (21.2 x 8.0 x 6.0 cm)	1/ea	Blue
	<b>HS120088</b>	5 x 10	50	33 mm	13.97 x 7.44 x 2.36 in (35.5 x 18.9 x 6.0 cm)	1/ea	Blue

- Rack suitable for universal, McCartney and Scintillation vials and low-profile tubes up to 33 dia
- Mesh bottom support

Bijou bottle tube racks	Part No.	Array	Wells	Wells Dia.	L x W x H	Pkg.	Color
	<b>HS120085</b>	2 x 6	12	25 mm	6.4 x 2.51 x 1.25 in (16.4 x 6.4 x 3.2 cm)	1/ea	Blue
	<b>HS120086</b>	5 x 10	50	25 mm	10.66 x 5.7 x 1.25 in (27.1 x 14.5 x 3.2 cm)	1/ea	Blue

- Rack suitable for bijou bottles and low-profile tubes up to 25 mm dia
- Mesh bottom support

Urine container rack	Part No.	Array	Wells	Wells Dia.	L x W x H	Pkg.	Color
	<b>HS120091</b>	6 x 4	24	58 mm	15.47 x 10.31 x 1.97 in (39.3 x 26.2 x 5 cm)	1/ea	Blue

- Ideal for urine containers up to 58 mm dia.
- Slotted bottom
- Mesh bottom support

13 and 16 mm tube racks	Part No.	Array	Wells	Wells Dia.	L x W x H	Pkg.	Color
	<b>HS120089</b>	6 x 12	72	13 mm	8.07 x 4.13 x 2.55 in (20.5 x 10.5 x 6.5 cm)	1/ea	Blue
	<b>HS120090</b>	9 x 12	108	13 mm	8.07 x 6.37 x 2.55 in (20.5 x 16.2 x 6.5 cm)	1/ea	Red
	<b>HS23072</b>	6 x 12	72	16 mm	9.33 x 5.0 x 2.55 in (23.7 x 12.7 x 6.5 cm)	1/ea	Blue
	<b>HS23108</b>	9 x 12	108	16 mm	9.5 x 7.40 x 2.55 in (24.1 x 18.8 x 6.5 cm)	1/ea	Red

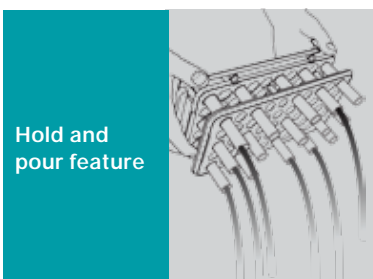
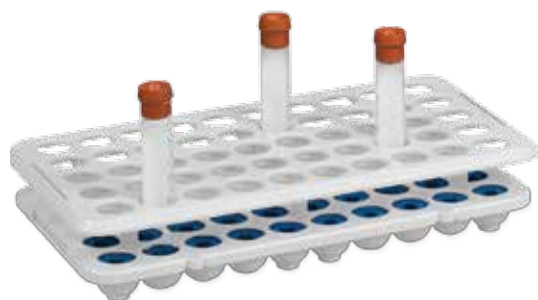
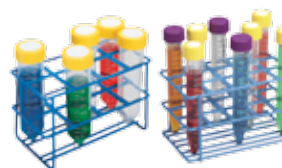
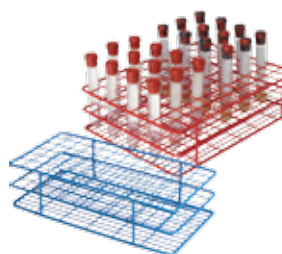
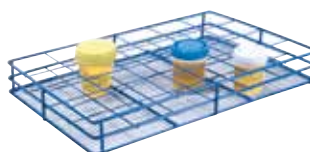
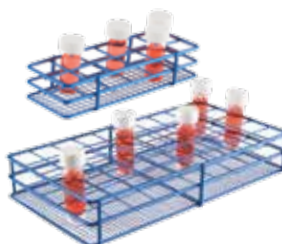
- Holds either 13 and 16 mm blood collection tubes
- Available in two formats
- Slotted bottom

Centrifuge bottle rack	Part No.	Array	Wells	Wells Dia.	L x W x H	Pkg.	Color
	<b>HS23224</b>	2 x 3	6	60 mm	8.07 x 5.31 x 4.09 in (20.5 x 13.5 x 10.4 cm)	1/ea	Blue

- Holds bottles and vessels up to 60 mm dia.
- Slotted bottom

15 mL/50 mL tube racks	Part No.	Array	Wells	Wells Dia.	L x W x H	Pkg.	Color
	<b>HS23215</b>	3 x 5	15	18 mm	5 x 3 x 3 in (12.7 x 7.6 x 7.6 cm)	1/ea	Blue
	<b>HS232461</b>	2 x 4	8	30 mm	5.8 x 3.15 x 3.5 in (14.7 x 8 x 8.9 cm)	1/ea	Blue

- Supports capped tubes up to 18 mm dia. — 3 x 5 format
- Supports capped tubes up to 30 mm dia. — 2 x 4 format
- Slotted bottom



Hold and pour feature

### Grab Rack™

Rack features silicone grips to hold tubes in place

- ABS rack with silicone gripping fingers
- Turn the rack over and the tubes will not fall out
- No assembly required
- **Not recommended for autoclaving**

Part No.	Tubes	Wells	Well Dia.	Dimensions L x W x H	Pkg.	Color
<b>HS24371A</b>	5-10 mL	50	16 mm	10 x 5 x 2 in (25.9 x 12.7 x 4.9 cm)	1/ea	White <input type="checkbox"/>

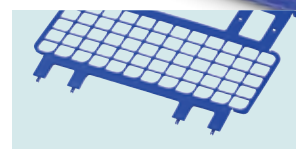


## Fold and Snap Test Tube Rack

### Economical durable rack

- Polypropylene racks ship flat in one piece
- Easy-to-assemble, just fold and snap together
- Available in 4 different colors for 3 popular tube sizes
- **Autoclavable**

Part No.	Tubes	Wells	Wells Dia.	L x W x H	Pkg.	Color
HS243073B	5-10 mL	90	13 mm	9.64 x 4.13 x 2.4 in (24.5 x 10.5 x 6.3 cm)	1/ea	Blue
HS243073W	5-10 mL	90	13 mm	9.64 x 4.13 x 2.4 in (24.5 x 10.5 x 6.3 cm)	1/ea	White <input type="checkbox"/>
HS243073R	5-10 mL	90	13 mm	9.64 x 4.13 x 2.4 in (24.5 x 10.5 x 6.3 cm)	1/ea	Red
HS243073Y	5-10 mL	90	13 mm	9.64 x 4.13 x 2.4 in (24.5 x 10.5 x 6.3 cm)	1/ea	Yellow
HS243077B	5-15 mL	60	17 mm	9.64 x 4.13 x 2.4 in (24.5 x 10.5 x 6.3 cm)	1/ea	Blue
HS243077W	5-15 mL	60	17 mm	9.64 x 4.13 x 2.4 in (24.5 x 10.5 x 6.3 cm)	1/ea	White <input type="checkbox"/>
HS243077R	5-15 mL	60	17 mm	9.64 x 4.13 x 2.4 in (24.5 x 10.5 x 6.3 cm)	1/ea	Red
HS243077Y	5-15 mL	60	17 mm	9.64 x 4.13 x 2.4 in (24.5 x 10.5 x 6.3 cm)	1/ea	Yellow
HS243071B	5-30 mL	40	21 mm	9.64 x 4.13 x 2.4 in (24.5 x 10.5 x 6.3 cm)	1/ea	Blue
HS243071W	5-30 mL	40	21 mm	9.64 x 4.13 x 2.4 in (24.5 x 10.5 x 6.3 cm)	1/ea	White <input type="checkbox"/>
HS243071R	5-30 mL	40	21 mm	9.64 x 4.13 x 2.4 in (24.5 x 10.5 x 6.3 cm)	1/ea	Red
HS243071Y	5-30 mL	40	21 mm	9.64 x 4.13 x 2.4 in (24.5 x 10.5 x 6.3 cm)	1/ea	Yellow



Easy-to-assemble, just fold and snap together



Detachable legs

## Floating Microtube Rack

- Made of polypropylene
- Use on the bench, with water baths or ice containers
- Keeps microtubes afloat in a water bath or can be pushed into crushed ice — perfect for controlling sample temperature.
- Detachable legs provide two options:
  - Attach legs so rack stands upright on bench top
  - Detach legs so samples can be quickly popped out by pushing down onto any surface
- **Not recommended for autoclaving**

Part No.	Tubes	Wells	Wells Dia.	Dimension	Color
HS2132A	1.5/2.0 mL	16	10.9 mm	Square 4 in (10.2 cm)	White <input type="checkbox"/>
HS2134A	1.5/2.0 mL	20	10.9 mm	Round 3.8 in (9.8 cm dia.)	White <input type="checkbox"/>

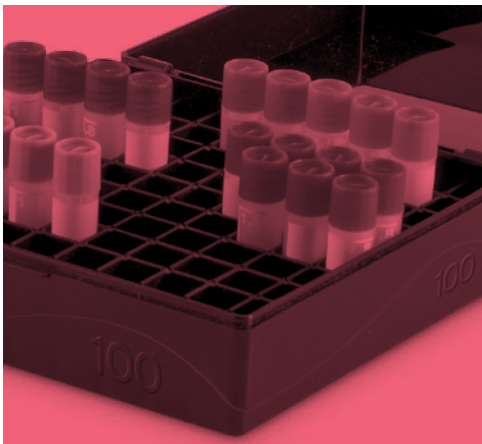
## Floating Foam Tube Racks

- Made of high density polyethylene
- Reusable and flexible for a variety of applications
- Brightly-colored, high-density polyethylene foam racks are ideal for floating tubes in water baths, tubs, or beakers
- Closed-cell foam resists water absorption so racks can be washed and reused
- Racks include detachable carrying handles—easily lift samples out of baths
- The blue round rack features unique “x” slits to hold a variety of tube sizes
- **Not recommended for autoclaving**



Detachable Handle

Part No.	Tubes	Wells	WellsDia.	L x W x H	Color
HS2165A	50 mL	4	29 mm	6.4 x 5.3 x 2.5 in (16.5 x 13.7 x 6.5 cm)	Green
HS2165B	15 mL	8	16 mm	6.7 x 2.2 x 2.5 in (17.2 x 5.7 x 6.5 cm)	Blue
HS2165C	1.5-2.0 mL	24	9.3 mm	6 x 3.2 x 2.7 in (15 x 8.3 x 7 cm)	Yellow
HS2166	0.2/0.5/	18	9.3	3.2 in (8.2 cm dia.)	Blue
	1.5-2.0 mL				



# tube storage

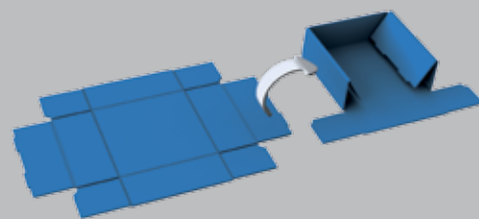
Maximize storage capacity with a variety of reliable sample storage options.



Freezer boxes are supplied "flat-packed" eliminating the hassle of stacking and reduces the amount of space needed for storage.

SEE PAGE 61

Both corrugated and film freezer boxes fit in standard freezer racks.



**true north®**

## Freezer boxes

Reusable, economical and moisture resistant plastic

- Made of polypropylene material
- Easy self-assemble boxes shipped flat
- More durable than cardboard boxes as they are not susceptible to moisture
- Significantly reduces the chance of mold
- Dividers included with the boxes
- **Store down to temperatures of -80°C**

Corrugated Polypropylene 0.2/0.5/1.5-2.0/5 mL

Part No.	Tube	Wells	Well Dia.	L x W x H	Pkg.	Color	
HS120379	0.2 mL	144	7.9 mm	5.2 x 5.1 x 1.2 in (13.3 x 13.0 x 3.0 cm)	10/pk	Natural	<input type="checkbox"/>
HS120380	0.2 mL	144	7.9 mm	5.2 x 5.1 x 1.2 in (13.3 x 13.0 x 3.0 cm)	10/pk	Blue	
HS120381	0.2 mL	144	7.9 mm	5.2 x 5.1 x 1.2 in (13.3 x 13.0 x 3.0 cm)	10/pk	Red	
HS120382	0.2 mL	144	7.9 mm	5.2 x 5.1 x 1.2 in (13.3 x 13.0 x 3.0 cm)	10/pk	Purple	
HS120383	0.5 mL	81	12 mm	5.2 x 5.1 x 1.6 in (13.3 x 13.0 x 4.2 cm)	10/pk	Natural	<input type="checkbox"/>
HS120384	0.5 mL	81	12 mm	5.2 x 5.1 x 1.6 in (13.3 x 13.0 x 4.2 cm)	10/pk	Blue	
HS120385	0.5 mL	81	12 mm	5.2 x 5.1 x 1.6 in (13.3 x 13.0 x 4.2 cm)	10/pk	Red	
HS120386	0.5 mL	81	12 mm	5.2 x 5.1 x 1.6 in (13.3 x 13.0 x 4.2 cm)	10/pk	Purple	
HS120262	1.5/2.0 mL	81	12 mm	5.2 x 5.1 x 2.0 in (13.3 x 13.0 x 5.1 cm)	10/pk	Natural	<input type="checkbox"/>
HS120376	1.5/2.0 mL	81	12 mm	5.2 x 5.1 x 2.0 in (13.3 x 13.0 x 5.1 cm)	10/pk	Blue	
HS120377	1.5/2.0 mL	81	12 mm	5.2 x 5.1 x 2.0 in (13.3 x 13.0 x 5.1 cm)	10/pk	Red	
HS120378	1.5/2.0 mL	81	12 mm	5.2 x 5.1 x 2.0 in (13.3 x 13.0 x 5.1 cm)	10/pk	Purple	
HS120387	5 mL	25	22.6 mm	5.2 x 5.1 x 2.9 in (13.3 x 13.0 x 7.5 cm)	10/pk	Natural	<input type="checkbox"/>
HS120388	5 mL	25	22.6 mm	5.2 x 5.1 x 2.9 in (13.3 x 13.0 x 7.5 cm)	10/pk	Blue	
HS120389	5 mL	25	22.6 mm	5.2 x 5.1 x 2.9 in (13.3 x 13.0 x 7.5 cm)	10/pk	Red	
HS120390	5 mL	25	22.6 mm	5.2 x 5.1 x 2.9 in (13.3 x 13.0 x 7.5 cm)	10/pk	Purple	

Corrugated Polypropylene 15 mL and 50 mL

Part No.	Tube	Wells	Well Dia.	L x W x H	Pkg.	Color	
HS120391	15 mL	36	19.8 mm	5.78 x 5.7 x 4.72 in (14.7 x 14.5 x 12.0 cm)	10/pk	Natural	<input type="checkbox"/>
HS120392	15 mL	36	19.8 mm	5.78 x 5.7 x 4.72 in (14.7 x 14.5 x 12.0 cm)	10/pk	Blue	
HS120393	15 mL	36	19.8 mm	5.78 x 5.7 x 4.72 in (14.7 x 14.5 x 12.0 cm)	10/pk	Red	
HS120394	15 mL	36	19.8 mm	5.78 x 5.7 x 4.72 in (14.7 x 14.5 x 12.0 cm)	10/pk	Purple	
HS120366	50 mL	16	31.6 mm	5.78 x 5.7 x 4.72 in (14.7 x 14.5 x 12.0 cm)	10/pk	Natural	<input type="checkbox"/>
HS120367	50 mL	16	31.6 mm	5.78 x 5.7 x 4.72 in (14.7 x 14.5 x 12.0 cm)	10/pk	Blue	
HS120368	50 mL	16	31.6 mm	5.78 x 5.7 x 4.72 in (14.7 x 14.5 x 12.0 cm)	10/pk	Red	
HS120369	50 mL	16	31.6 mm	5.78 x 5.7 x 4.72 in (14.7 x 14.5 x 12.0 cm)	10/pk	Purple	

Thin Polypropylene Film 1.5-2 mL

Part No.	Tube	Wells	Well Dia.	L x W x H	Pkg.	Color	
HS120370	1.5/2.0 mL	81	12.1 mm	4.95 x 4.92 x 1.92 in (12.5 x 12.4 x 4.9 cm)	10/pk	White	<input type="checkbox"/>
HS120371	1.5/2.0 mL	81	12.1 mm	4.95 x 4.92 x 1.92 in (12.5 x 12.4 x 4.9 cm)	10/pk	Blue	
HS120372	1.5/2.0 mL	81	12.1 mm	4.95 x 4.92 x 1.92 in (12.5 x 12.4 x 4.9 cm)	10/pk	Lt. Green	
HS120373	1.5/2.0 mL	81	12.1 mm	4.95 x 4.92 x 1.92 in (12.5 x 12.4 x 4.9 cm)	10/pk	Purple	



HS120367



HS120394



HS120381



HS120372



## Cardboard Micro Tube Boxes

### Safe micro tube storage

Low profile boxes are available in two sizes to accommodate standard 0.5 mL and 0.2mL micro tubes and vessels of a similar size.

- Dividers included with the boxes
- Store in mechanical freezers or vapor phase LN<sub>2</sub>\*
- Will fit into most standard freezer racking

Part No.	Tubes	Wells	Wells Dia.	L x W x H	Pkg.	Color
HS120220	0.2 mL	169	9.5 mm	5.2 x 5.2 x 1.1 in (13.3 x 13.3 x 2.9 cm)	10/pk	White <input type="checkbox"/>
HS120221	0.5 mL	100	12 mm	5.2 x 5.2 x 1.6 in (13.3 x 13.3 x 4.1 cm)	10/pk	White <input type="checkbox"/>

\*Must use tubes capable of being stored at low temperatures

## Cardboard Cryogenic Vial Boxes and Partitions

### For storage of small samples and tubes

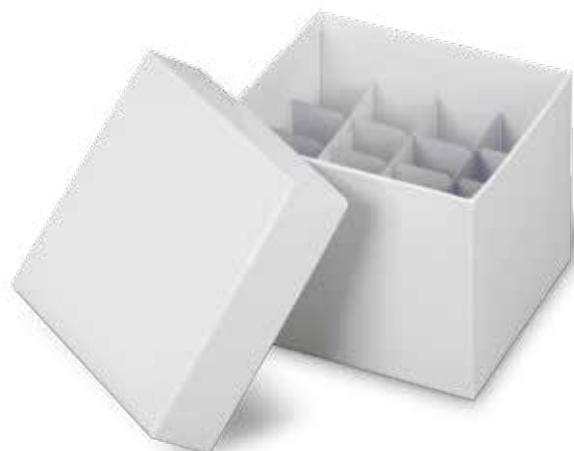
- Store in LN<sub>2</sub>, or in mechanical freezers
- Colors allow for easy identification and sorting purposes
- Bottom vent holes to allow quicker circulation and removal of cold air, vapor or LN<sub>2</sub>
- All box footprints are 13.3 x 13.3 cm, select from two different heights



Part No.	Description	Tubes	Wells	Wells Dia.	L x W x H	Pkg.	Color
HS2860A	Vial box and lid	1.5/2.0 mL	—	—	5.2 x 5.2 x 2 in (13.3 x 13.3 x 5 cm)	12/pk	White <input type="checkbox"/>
HS2860B	Vial box and lid	1.5/2.0 mL	—	—	5.2 x 5.2 x 3 in (13.3 x 13.3 x 7.5 cm)	12/pk	White <input type="checkbox"/>
HS2860C	Vial box and lid	1.5/2.0 mL	—	—	5.2 x 5.2 x 2 in (13.3 x 13.3 x 5 cm)	12/pk	Assorted *
HS2860CB	Vial box and lid	1.5/2.0 mL	—	—	5.2 x 5.2 x 2 in (13.3 x 13.3 x 5 cm)	12/pk	Blue
HS2860CR	Vial box and lid	1.5/2.0 mL	—	—	5.2 x 5.2 x 2 in (13.3 x 13.3 x 5 cm)	12/pk	Red
HS2860CY	Vial box and lid	1.5/2.0 mL	—	—	5.2 x 5.2 x 2 in (13.3 x 13.3 x 5 cm)	12/pk	Yellow
HS2860E	Partition (10 x 10)	1.5/2.0 mL	100	11.5 mm	—	12/pk	
HS2860H	Partition (9 x 9)	1.5/2.0 mL	81	12 mm	—	12/pk	
HS2860F	Partition (8 x 8)	1.5/2.0 mL	64	15 mm	—	12/pk	
HS2860G	Partition (7 x 7)	1.5/2.0 mL	49	17.5 mm	—	12/pk	

\*Assorted colors (Red, Blue, Yellow)

Partitions must be ordered separately



## Cardboard Tube Racks and Partitions

### A low-cost way to organize your tubes!

- Economical cardboard racks are disposable
- Write-on surface for descriptions or self numbering systems
- Partitions available in two sizes

Part No.	Description	Wells	Tubes	Wells Dia.	L x W x H	Pkg.	Color
HS2860M	Box and Lid	—	15 & 50 mL	—	5.7 x 5.7 x 4.8 in (14.5 x 14.5 x 12.2 cm)	10/pk	White <input type="checkbox"/>
HS2860T	Partitions	36	15 mL	17.5 m		10/pk	White <input type="checkbox"/>
HS2860P	Partitions	16	50 mL	29.5 mm		10/pk	White <input type="checkbox"/>

Partitions must be ordered separately



## Arctic Squares® Polycarbonate Cryostorage Boxes

Safely store vials from  $-196$  to  $+121^{\circ}\text{C}$  in mechanical freezers as well as liquid nitrogen

Our polycarbonate boxes are designed with unique features to help orient, identify and access vials with ease.

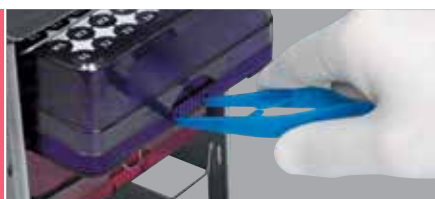
- Hinged lid with built-in stop allows easy one-handed access to samples (not on HS23325A, slip on lid)
- Forward-sloped base and high contrast indexing on the transparent lid ensure quick visual orientation
- Magnetic tipped forceps supplied with styles b and d, help pick vials and remove boxes from freezer racking
- All boxes have vent and drainage holes
- Stackable
- **Autoclavable**

	5 x 5 array boxes	Part No.	Tubes	Wells	Wells dia.	L x W x H	Qty.	Color
<b>a</b>	- Ideal for small sampling - Friction fit, slide-on lid	<b>HS23325A</b>	2.0 mL	25	12.5 mm	2.99 x 2.99 x 2.0 in (7.6 x 7.6 x 5.3 cm)	8/pk	Ruby Red
<b>b</b>	<b>9 x 9 array standard boxes</b> - Hinged lid - Wells arranged in an easy-to-pick formation	<b>HS23381B</b>	2.0 mL	81	12.5 mm	5.23 x 5.23 x 2.0 in (13.3 x 13.3 x 5.3 cm)	4/pk	Assorted *
<b>c</b>	<b>9 x 9 array tall boxes</b> - Use with all common sizes up to 5.0 mL - Hinged lid	<b>HS23381C</b>	5.0 mL	81	12.5 mm	5.23 x 5.23 x 3.77 in (13.3 x 13.3 x 9.6 cm)	5/pk	Amethyst Purple
<b>d</b>	<b>10 x 10 array boxes</b> - Maximum number of tubes in standard footprint - Hinged lid	<b>HS23300D</b>	2.0 mL	100	12.5 mm	5.23 x 5.23 x 2.0 in (13.3 x 13.3 x 5.3 cm)	4/pk	Arctic Blue

\*Assorted colors (Ruby Red, Amethyst, Purple, Arctic Blue, Emerald Green)

Forceps included with boxes **b**, **d**, can be used to pick vials or remove box from freezer rack.

Includes embedded magnet for easy forceps storage.



SEE PAGE 62

For arctic squares® freezer rack horizontal drawer system for upright freezers.

Constructed of corrosion-resistant stainless steel with four drawers to hold 16 boxes.





# work 2 store®

## Expanding storage boxes

### Single rack, double function

Reduce sample handling time and the need for several racks when working with samples for cold temperature storage.

Patent-pending opening and closing mechanism allows the rack to expand, creating needed room for sample manipulation.

When done, simply collapse the rack back to its compact form and it's ready for the freezer.

Two versions available, the original for holding 1.5/2.0 mL cryo and micro tubes and the new micro reversible version for holding 0.5 mL and 0.2 mL tubes. (see below)

- Instantly creates more working space
- Helps reduce potential cross contamination
- Stops opened microfuge lids from interfering with other wells
- Stackable, with alphanumeric well identifications
- Will fit into standard 2" (53 mm) freezer racking
- Temperature range -80°C to 121°C

### Work2Store®

- Clear lid locks the rack together for safe handling and transportation
- Wells have a center depression to stabilize conical tubes and a cryogenic vial lock for one handed cap removal
- Holds 64 x 1.5/2.0 mL cryo and/or micro tubes
- **Autoclavable**



Part No.	Tubes	Wells	Well Dia.	L x W x H open (31 x 12.8 x 3.35 cm)	Pkg.	Color
HS120018	1.5/2.0 mL	64	12.3 mm	L x W x H closed - with lid (13.3 x 13.8 x 5.3 cm)	1/ea	White <input type="checkbox"/>

### Work2Store® micro

- 0.2 mL tube side has been configured to work with 8 strip, 12 strip or single tubes
- Low profile clear lid fits either side and locks the rack together for safe handling and transportation
- **Autoclavable**

Rack will hold 64 x 0.5 mL micro tubes on one side and 96 x 0.2 mL — micro tubes on the other side



Part No.	Tubes	Wells	Well Dia.	L x W x H open (31 x 12.8 x 3.1 cm)	Pkg.	Color
HS120183	64	0.5 mL	7.8 mm	L x W x H closed - with lid	1/ea	White <input type="checkbox"/>
	96	0.2 mL	5.1 mm	5.2 x 5.2 x 1.8 in (13.3 x 13.3 x 4.8 cm)		<input type="checkbox"/>



SEE PAGE 71 for cryo vials

## Refrigerator Racks

### Contoured design for safe handling

Fill lower section with water or crushed ice to chill sample tubes quickly.

- Made of molded polystyrene
- Top inset tray secures tubes in place
- Stackable, saves bench space

Part No.	Tubes	Wells	Wells Dia.	L x W x H	Color
<b>HS28230A</b>	1.5/2.0 mL	50	12.8 mm	10.66 x 5.59 x 2.2 in (27.1 x 14.2 x 5.6 cm)	White <input type="checkbox"/>
<b>HS28230B</b>	15 & 50 mL	15	29.2 mm	10.86 x 6.4 x 5.27 in (27.6 x 16.4 x 13.4 cm)	White <input type="checkbox"/>



## Foam Tube Racks

### High storage, minimal footprint

- Two-piece racks are constructed of expanded polystyrene (EPS) foam
- Lightweight microtube racks are ideal for long-term studies or tube storage
- Extra spacing between wells allows for easy gripping with fingertips
- Racks stack securely with nesting features on lid and base

Part No.	Tubes	Wells	Wells Dia.	L x W x H	Pkg.	Color
<b>HS4282</b>	1.5/2.0 mL	100	11.5 mm	13.22 x 3.74 x 2.87 in (33.6 x 9.5 x 7.3 cm)	10/pk	White <input type="checkbox"/>
<b>HS4283P</b>	1.5/2.0 mL	50	11.5 mm	8.26 x 4.33 x 2.7 in (21.0 x 11.0 x 7.1 cm)	10/pk	White <input type="checkbox"/>



## Transformer Cube Rack

### For storage of large samples and 15 and 50 mL tubes

- Polypropylene construction complete with two snap-in grids
- Imprinted grid, first-tube orientation — keyed lid
- Use without grids for larger sized product storage
- Fill with ice and use as a temporary low-temperature workstation
- Clear lid, translucent sides
- **Autoclavable**

Part No.	Tubes	Wells	Wells Dia.	L x W x H	Pkg.	Color
<b>HS23271A</b>	15 mL	16	18 mm	4.9 x 4.9 x 5 in	5/pk	Purple
	50 mL	9	31 mm	(12.5 x 12.5 x 12.9 cm)		



Fill with ice and use as a temporary low temperature workstation.



Holds either:

- 15 mL or
- 50 mL samples

Upright cube freezer rack

Chest cube freezer rack

SEE PAGE 63

For upright and chest cube freezer rack.

Both are constructed of corrosion-resistant stainless steel.



## 50-Well Microtube Storage Boxes

Ideal for sample or case study storage

- Made of polypropylene
- For smaller storage requirements of 1.5/2.0 mL microtubes or cryogenic vials.
- Easy-open hinged lid with snap clasp
- **Autoclavable**

Part No.	Tubes	Wells	Wells dia.	L x W x H	Pkg.	Color	
HS120032	1.5/2.0 mL	50	12.3 mm	5.6 x 3.6 x 2.2 in (14.2 x 9.2 x 5.6 cm)	5/pkg	Natural	<input type="checkbox"/>
HS120033	1.5/2.0 mL	50	12.3 mm	5.6 x 3.6 x 2.2 in (14.2 x 9.2 x 5.6 cm)	5/pkg		*

\*Assorted colors (Blue, Green, Purple, Yellow, Orange)



## 81-Well Microtube Storage Boxes

Compact footprint for microtube and cryogenic vial storage

- Store 1.5/2.0 mL microtubes or cryogenic vials in polypropylene storage boxes
- Easy open, friction-fit lid
- Black, light-tight version available for light sensitive samples
- **Autoclavable**

Part No.	Tubes	Wells	Well Dia.	L x W x H	Pkg.	Color	
HS120034	1.5/2.0 mL	81	12.3 mm	5.1 x 5.1 x 1.9 in (13 x 13 x 4.7 cm)	5/pkg	Natural	<input type="checkbox"/>
HS120035	1.5/2.0 mL	81	12.3 mm	5.1 x 5.1 x 1.9 in (13 x 13 x 4.7 cm)	5/pkg	Blue	
HS120036	1.5/2.0 mL	81	12.3 mm	5.1 x 5.1 x 1.9 in (13 x 13 x 4.7 cm)	5/pkg	Green	
HS120037	1.5/2.0 mL	81	12.3 mm	5.1 x 5.1 x 1.9 in (13 x 13 x 4.7 cm)	5/pkg	Pink	
HS120038	1.5/2.0 mL	81	12.3 mm	5.1 x 5.1 x 1.9 in (13 x 13 x 4.7 cm)	5/pkg	Yellow	
HS120039	1.5/2.0 mL	81	12.3 mm	5.1 x 5.1 x 1.9 in (13 x 13 x 4.7 cm)	5/pkg	Orange	
HS120040	1.5/2.0 mL	81	12.3 mm	5.1 x 5.1 x 1.9 in (13 x 13 x 4.7 cm)	5/pkg		*
HS120041	1.5/2.0 mL	81	12.3 mm	5.1 x 5.1 x 1.9 in (13 x 13 x 4.7 cm)	5/pkg	Black	

\*Assorted colors (Blue, Green, Pink, Yellow, Orange)



Allows safe lower temperature storage

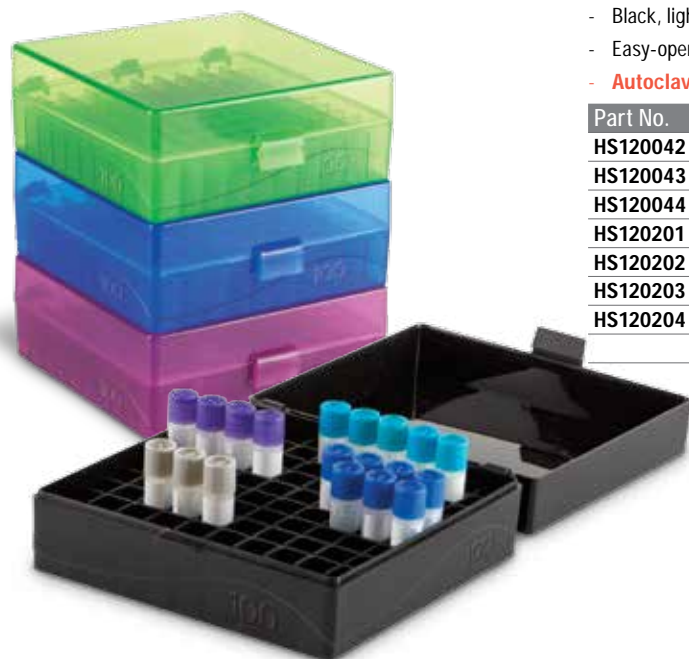
## 100-Well Microtube Storage Boxes

Secure storage for microtube and cryogenic vials

- Made of polypropylene
- For larger storage requirements of 1.5/2.0 mL microtubes or cryogenic vials.
- Black, light-tight version available for light sensitive samples
- Easy-open hinged lid with snap clasp
- **Autoclavable**

Part No.	Tubes	Wells	Well Dia.	L x W x H	Pkg.	Color	
HS120042	1.5/2.0 mL	100	12.3 mm	5.6 x 6 x 2.2 in (14.1 x 15.1 x 5.7 cm)	5/pkg	Natural	<input type="checkbox"/>
HS120043	1.5/2.0 mL	100	12.3 mm	5.6 x 6 x 2.2 in (14.1 x 15.1 x 5.7 cm)	5/pkg	Black	
HS120044	1.5/2.0 mL	100	12.3 mm	5.6 x 6 x 2.2 in (14.1 x 15.1 x 5.7 cm)	5/pkg		<input type="checkbox"/> *
HS120201	1.5/2.0 mL	100	12.3 mm	5.6 x 6 x 2.2 in (14.1 x 15.1 x 5.7 cm)	5/pkg	Blue	
HS120202	1.5/2.0 mL	100	12.3 mm	5.6 x 6 x 2.2 in (14.1 x 15.1 x 5.7 cm)	5/pkg	Green	
HS120203	1.5/2.0 mL	100	12.3 mm	5.6 x 6 x 2.2 in (14.1 x 15.1 x 5.7 cm)	5/pkg	Yellow	
HS120204	1.5/2.0 mL	100	12.3 mm	5.6 x 6 x 2.2 in (14.1 x 15.1 x 5.7 cm)	5/pkg	Orange	

\*Assorted colors (Blue, Green, Purple, Yellow, Orange)



### Microtube storage boxes are:

- Made from polypropylene
- Designed for quick visual identification
- Uniform wells with location identification
- Tube capacity is indicated on the outside of the box
- Translucent vibrant colors with a frosted labeling area
- Debossed with a distinctive wave design



## Mega Racks®

### High-capacity storage for your tubes

- Fully-assembled, polypropylene mega racks are great for high-throughput labs requiring large sample storage
- Sturdy, light-weight material for easy transport
- Alphanumeric identification for quick location and retrieval of tubes
- Place different test groupings into one rack eliminating the need for multiple racks
- **Autoclavable**

#### Single-Size Polypropylene

Part No.	Tubes	Wells	Well Dia.	L x W x H	Color
HS24322A	5-7 mL (13mm)	216	13 mm	13.26 x 10.51 x 3.58 in (33.7 x 26.7 x 9.1 cm)	Blue
HS24322E	5-7 mL (13mm)	216	13 mm	13.26 x 10.51 x 3.58 in (33.7 x 26.7 x 9.1 cm)	White <input type="checkbox"/>
HS24323A	10 mL (16 mm)	120	16 mm	13.26 x 10.51 x 3.58 in (33.7 x 26.7 x 9.1 cm)	Blue
HS24323E	10 mL (16 mm)	120	16 mm	13.26 x 10.51 x 3.58 in (33.7 x 26.7 x 9.1 cm)	White <input type="checkbox"/>

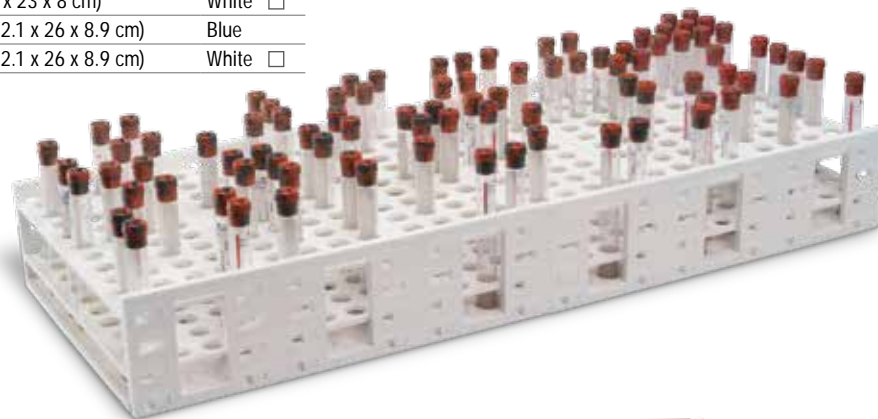


Single mega rack®

#### Double-Size Polypropylene

Part No.	Tubes	Wells	Well Dia.	L x W x H	Color
HS120113	5-7 mL (13mm)	432	10-13 mm	26.4 x 9 x 3.1 in (67.3 x 23 x 8 cm)	Blue
HS120112	5-7 mL (13mm)	432	10-13 mm	26.4 x 9 x 3.1 in (67.3 x 23 x 8 cm)	White <input type="checkbox"/>
HS120115	10 mL (16 mm)	240	13-16 mm	20.5 x 10.2 x 3.5 in (52.1 x 26 x 8.9 cm)	Blue
HS120114	10 mL (16 mm)	240	13-16 mm	20.5 x 10.2 x 3.5 in (52.1 x 26 x 8.9 cm)	White <input type="checkbox"/>

Double mega rack®



## TracRack®

### Take what you need and store the rest

- Segments box made of polypropylene
- Eight segments per box
- 1.5 -2.0 mL cryo and micro-centrifuge tubes (64 tubes)
- Wells have a center depression to stabilize conical tubes and a cryogenic vial lock for one-handed cap removal

Part No.	Tubes	Wells	Well Dia.	L x W x H	Pkg.	Color
HS120356	1.5/2.0 mL	64	12.3 mm	5.09 x 5.1 x 1.37 in (12.93 x 13.0 x 3.5 cm)	1/ea	Purple



## TracRack® Micro

- Segments box made of polypropylene
- Eight reversible segments per box
- 64 x 0.5 mL tubes, 96 x 0.2 mL micro tubes, or a combination of both

Part No.	Tubes	Wells	Well Dia.	L x W x H	Pkg.	Color
HS120357	0.2 mL	64	5.1 mm	5.09 x 5.1 x 1.37 in (12.93 x 13.0 x 3.5 cm)	1/ea	Lt. Purple
	0.5 mL	96	7.8 mm			



## TracRack® Outer Box

- Made from thin film polypropylene material
- Store down to temperatures of -80°C
- Moisture resistant, significantly reducing the chance of mold
- Removable segments allow outer shell to be used for storage of other small laboratory products
- 2 in. (5.3 cm) boxes fit in standard freezer racks

