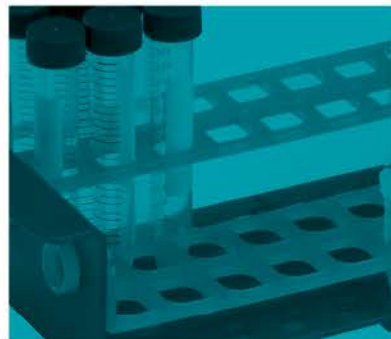




# product catalog



Manufacturer of quality laboratory equipment and supplies





At Heathrow Scientific, we take pride in our broad product offering of lab essentials and equipment that we manufacture for research, clinical and industrial laboratories.

Our products are designed to solve problems, improve productivity, save space and deliver value.

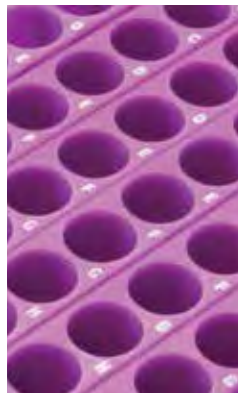
Our in house engineering and industrial design team ensures items are distinctively made with functional style and bring a sleek and modern look, plus a spectrum of colors, to traditional lab environments.

The products we create and produce for the lab are not only reliable, but stimulate our customer to move beyond yesterday's way of thinking.














We stand by our product's quality while focusing on ways to continuously improve features to better serve our target markets. Our can-do attitude and customer-centric approach ensures we meet and exceed customer expectations.

**Contact Heathrow Scientific for details on product private label opportunities.**





# table of contents

	mixing and centrifugation	4-9
	tube selection guide / tube racks	10-27
	tube storage	28-35
	pipetting	36-43
	microscopy and histology	44-49
	sample and blood collection	50-59
	cryo	60-71
	weighing	72-75
	safety	76-81
	microbiology	82-85
	storage	86-93
	sealing and labeling	94-99
	notebooks and timers	100-102
	index	103
	product page reference	104-105
	charts and reference	106-107

## 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® Mini-Centrifuge

### SnapSpin™ rotors for easy and fast exchange

The Sprout® 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 <span style="color: green;">■</span>
HS120395	Yellow <span style="color: orange;">■</span>
HS120396	Purple <span style="color: purple;">■</span>

Change out rotors with the push of a button



### Specifications:

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

**Maximum RCF:** 2000 x g

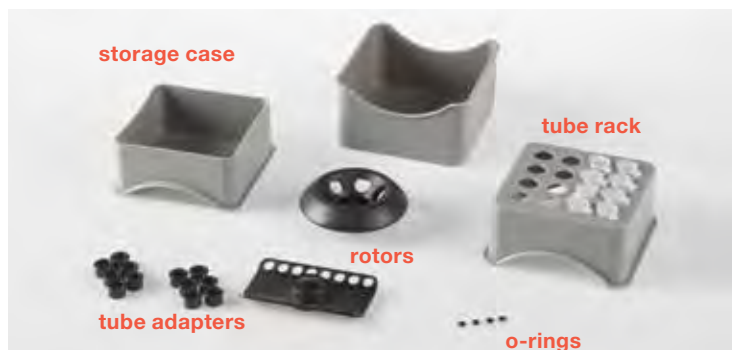
**Power:** 100 to 240 VAC 50/60 HZ 0.6A, Approx. 7.3 W

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

**One-year warranty**

### Package includes:

- Sprout® 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

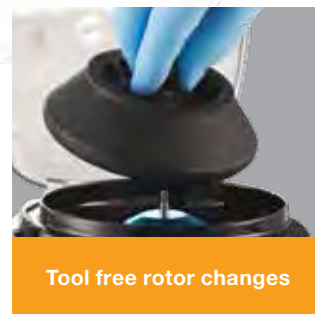
**Power:** 110 to 240 VAC, 50/60 Hz with 4 interchangeable power cords

**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





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

## 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 (10 lbs.), 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 types

Part No.	Description
HS120460	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:** 2° to 40°C (36° to 104°F); 20 to 80% RH, non-condensing

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

**Overall dimensions:** 314 mm W x 197 mm H x 310 mm D

**Two-year warranty**

**For Indoor Use ONLY**



### Package includes:

- Digital Orbital Shaker
- Universal hi-lo platform
- Skid-free rubber platform mat
- 8 bungee cord 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	
<b>HS120209</b>	110V – 120V, 50-60 Hz, 50 Watts, US/NA	⏏
<b>HS120212</b>	220V – 240V, 50-60 Hz, 40 Watts, CE	⏏
<b>HS120214</b>	220V – 240V, 50-60 Hz, 40 Watts, UK	⏏
<b>HS120210</b>	220V – 240V, 50-60 Hz, 40 Watts, AUS	⏏
<b>HS120318</b>	100V – 110V, 50-60 Hz, 52 Watts, Japan	⏏

### Specifications

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

**Orbit:** 3.7 mm

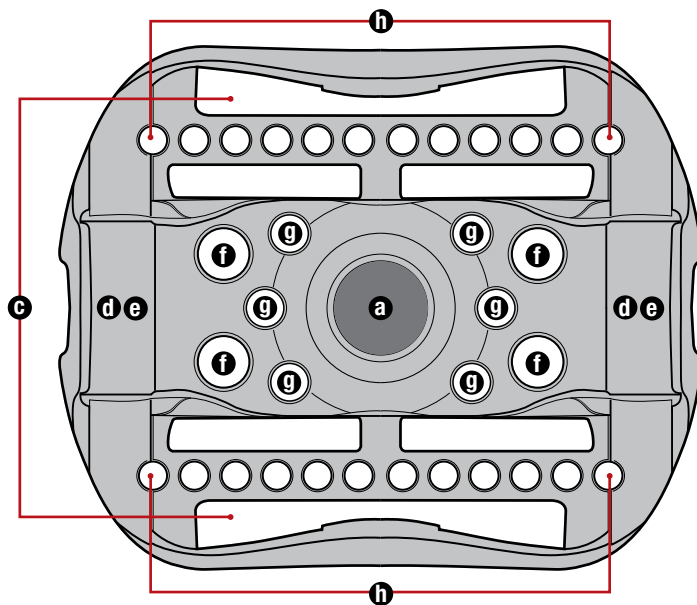
**Control:** 3 position slider — (top) intermittent, (middle) off, (bottom) continuous

**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

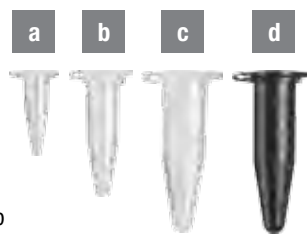
<b>a</b>	Center pad area for hand held mixing
	Assay plate x 1 (to be used with retention cords)
<b>c</b>	50 mL conical tubes x 2 (horizontally mounted)
<b>d</b>	15 mL conical tubes x 2 (horizontally mounted)
<b>e</b>	5 mL tubes x 2 (horizontally mounted in the same retention space as 15 mL)
<b>f</b>	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)



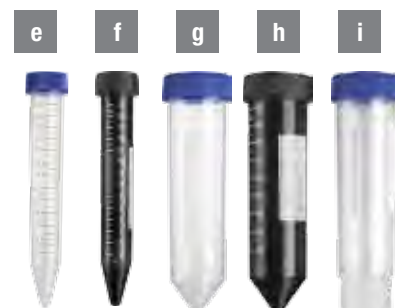
## Microcentrifuge and Conical Centrifuge Tubes

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 checked="" 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 checked="" type="checkbox"/>
	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"/>
g	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"/>
	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 checked="" 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



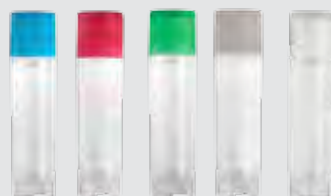
TPE O-ring to create an excellent seal for secure storage

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 north<sup>®</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 Cytotoxic free

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

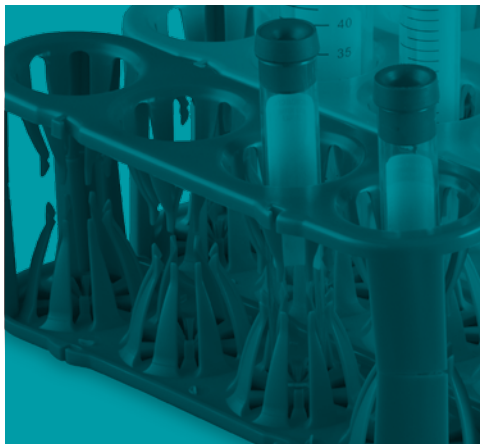
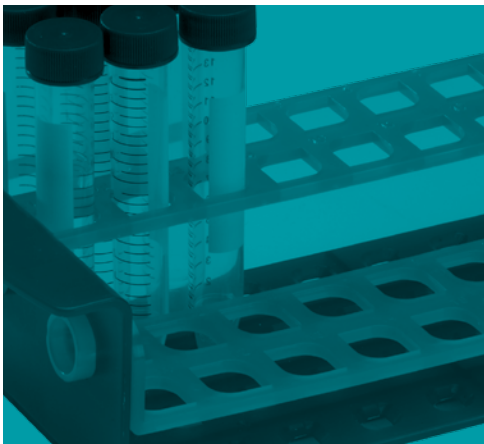
Tube Vol.	0.2 mL	0.5 mL	1.5/2.0 mL	12 mL			15 mL		50 mL	
Tube Dia.	6.3 mm	7.8 mm	10.9 mm	10-13 mm	13-16 mm	16-17.5 mm	18-20 mm	25 mm	30-33 mm	60 mm
Wells										
1									One Well <b>pg. 19</b>	
4									Foam Rack <b>pg. 19</b> MagRack <b>pg. 27</b>	
6							Rota-Rack® <b>pg. 18</b>			Bottle Rack <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	5.0-7.0 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.



\*patent pending

Unique tear drop shaped openings for better retention of tubes







## 5 mL/15 mL/16mm Tube Rack\*

### Rotate with ease to accommodate your needs

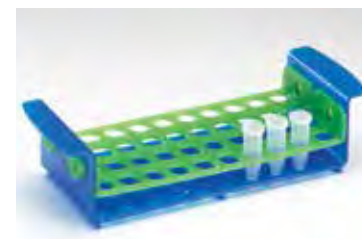
This multi-purpose rack is designed with the flexibility to hold 20 - 5 mL, 20 - 15 mL or 16mm tubes **OR** to hold 40 - 5 mL, 40 - 15 mL or 16 mm tubes. The rack incorporates two moving hinged upper shelves that can be rotated to an up or down position to accommodate the size of the tube being used. 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, 15 mL or 16 mm 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  
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

# tracrack®

## 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 0.5 mL	64 96	5.1 mm 7.8 mm	5.09 x 5.1 x 1.37 in (12.93 x 13.0 x 3.5 cm)	1/ea	Lt. Purple 

## 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



reversible

# one rack<sup>®</sup>

## test tube rack

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

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

#### Delrin<sup>®</sup> 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 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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>

## 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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>

## 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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>



# 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 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	Pkg.	Color
HS120018	1.5/2.0 mL	64	12.3 mm	12.2 x 5 x 1.3 in (31 x 12.8 x 3.35 cm)	1/ea	White <input type="checkbox"/>
				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)		

### 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	Pkg.	Color
HS120183	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 <input checked="" type="checkbox"/>
<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 <input checked="" type="checkbox"/>

## Rota-Rack® Duo

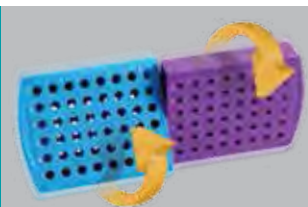
### Dilution and concentration studies made easy

- 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 microfuge 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
	0.2 mL	96	5.0 mm			
<b>HS29041A</b>	0.5 mL	48	8.0 mm	11.6 x 4.6 x 1.33 in (29.6 x 11.8 x 3.4 cm)	1/ea	Blue/Purple <input checked="" type="checkbox"/>
	1.5/2.0 mL	96	11 mm			



**Rotate and customize** to suit your application needs

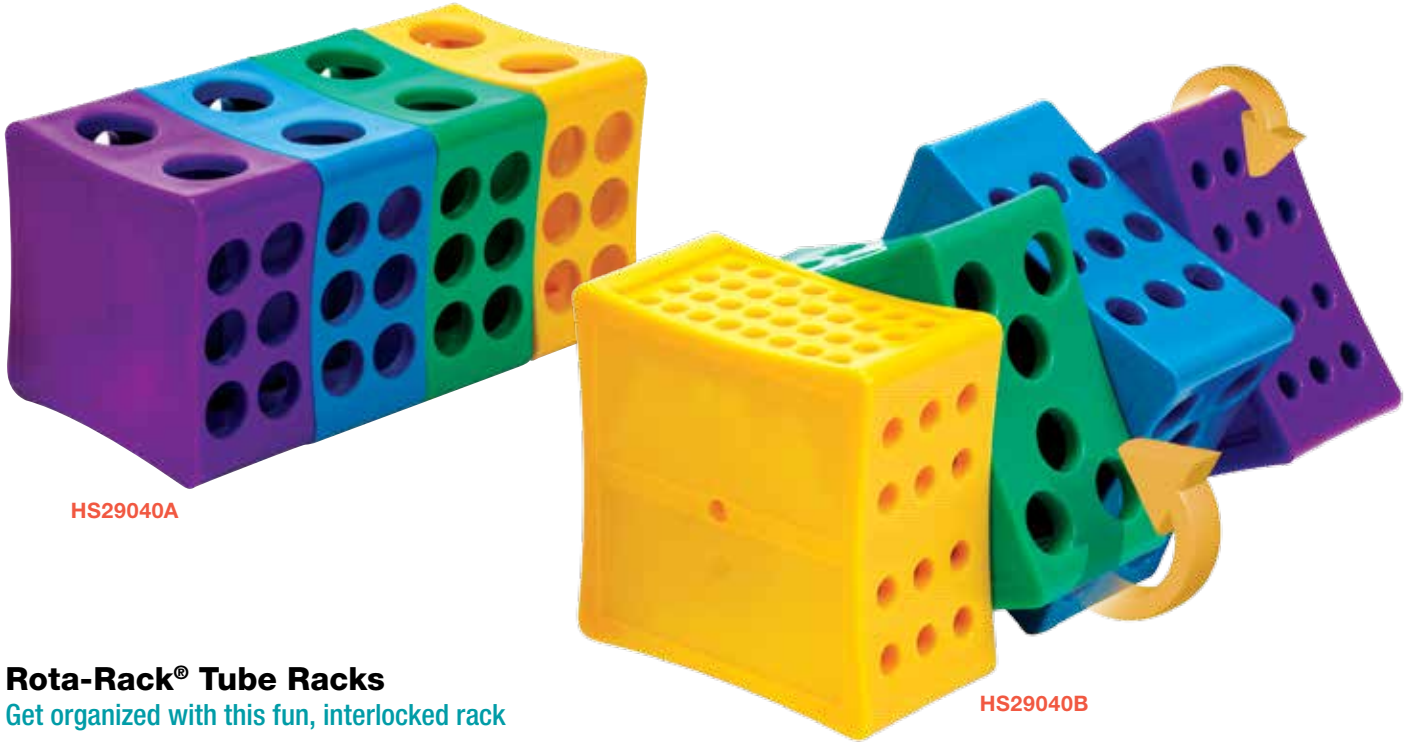


## Cryogenic Vial Holders

### 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**

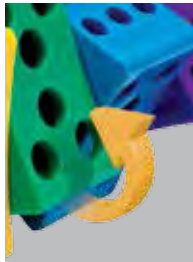
Part No.	Tubes	Wells	Wells Dia.	L x W x H	Pkg.	Color
<b>HS23229B</b>	2-5 mL	50	12.9 mm	4.1 x .79 x 0.9 in (10.5 x 2 x 2.3 cm)	4/pk	Blue <input checked="" type="checkbox"/>



## 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**



Twist and  
turn  
to suit your  
application

Part No.	Tubes	Wells	Wells Dia.	L x W x H	Pkg.	Color
<b>HS29040A</b>	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			
<b>HS29040B</b>	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			



## 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
<b>HS120241</b>	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 <span style="color: blue;">■</span>
<b>HS120242</b>	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 <span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>
<b>HS120243</b>	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 <span style="color: blue;">■</span>
<b>HS120244</b>	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 <span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>

## 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
<b>HS24306</b>	15 mL	30	17 mm	8.1 x 6.7 x 2.4 in	8/pk	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
<b>HS23051</b>	50 mL	1	29 mm	3.54 x 2.63 x 2.63 in	(9.0 x 6.7 x 6.7 cm)	5/pk Yellow ■
<b>HS23053A</b>	50 mL	1	29 mm	3.62 X 1.18 in	(9.2 x 3.0 cm)	5/pk 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
<b>HS23052</b>	50 mL	1	29 mm	3.2 x 2.8 x 2.63 in	5/pk	■ ■ ■ ■ ■ *

\*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
<b>HS29025A</b>	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"/>
<b>HS29025B</b>	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 <input checked="" type="checkbox"/>
<b>HS29025C</b>	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 <input checked="" type="checkbox"/>
<b>HS29025D</b>	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 <input checked="" type="checkbox"/>
<b>HS29025E</b>	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 <input checked="" type="checkbox"/>
<b>HS29025F</b>	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 <input checked="" type="checkbox"/>
<b>HS29025G</b>	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	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> *
<b>HS29025J</b>	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 <input checked="" type="checkbox"/>

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

SEE PAGE 91 for acrylic holder for microtube racks

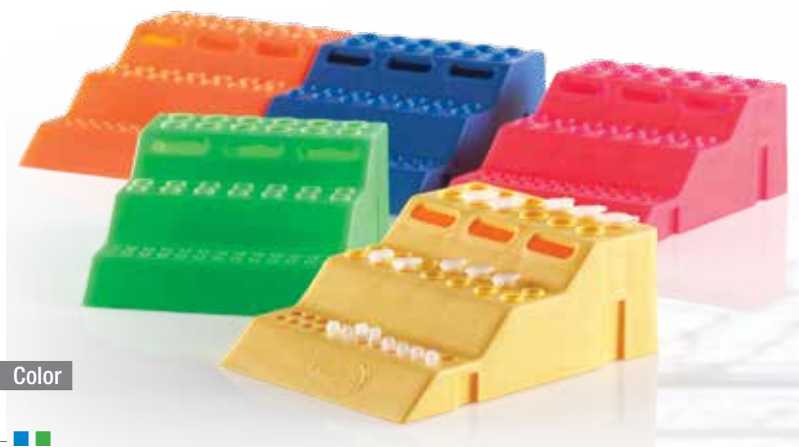
## 3-Way Racks

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
<b>HS4289B</b>	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	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	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"/> <input checked="" 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	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> *

\*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
<b>HS2344A</b>	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	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	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	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	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	<input checked="" type="checkbox"/> *

\*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**

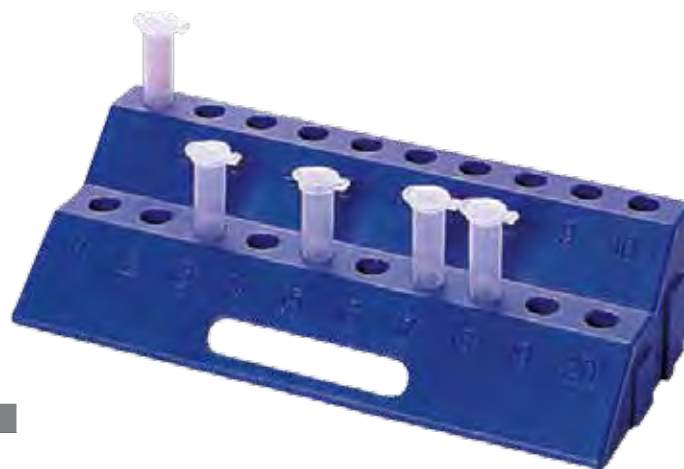
Part No.	Tubes	Wells	Well Dia.	L x W x H	Pkg.	Color
HS2345A	1.5/2.0 mL 0.5 mL	96	11 / 7.6	9.6 x 4.7 x 2 in (24.6 x 12.1 x 5 cm)	5/pk	■ ■ ■ ■ *
HS2345B	1.5/2.0 mL 0.5 mL	96	11 / 7.6	9.6 x 4.7 x 2 in (24.6 x 12.1 x 5 cm)	5/pk	Natural □
HS2345C	1.5/2.0 mL 0.5 mL	96	11 / 7.6	9.6 x 4.7 x 2 in (24.6 x 12.1 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
	0.5 mL					
HS4284A	1.0 mL 1.5 mL 2.0 mL	20	10 mm	0.839 x 3.54 x 1.97 in (21.1 x 9 x 5 cm)	6/pk	Blue ■

## 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 □
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 (7 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	7 – 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	7 – 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	7 – 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	7 – 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	7 – 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	7 – 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	7 – 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	7 – 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
<b>HS24330A</b>	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



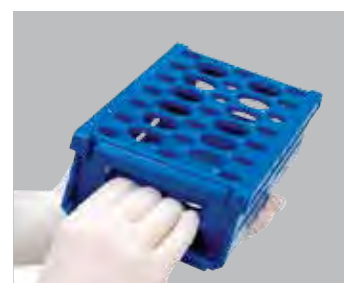
## Pop-Up™ Racks

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
<b>HS24320B</b>	15 mL 50 mL	21 12	17 mm 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	Blue ■
<b>HS24320P</b>	15 mL 50 mL	21 12	17 mm 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	Pink ■
<b>HS24318</b>	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 ■
<b>HS24319</b>	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
<b>HS29022A</b>	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			
<b>HS29022B</b>	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 checked="" type="checkbox"/>
	15 mL	12	17.5 mm			
	0.5 mL	32	8.2 mm			
	1.5/2.0 mL	32	11.6 mm			
<b>HS29022C</b>	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 <input checked="" type="checkbox"/>
	15 mL	12	17.5 mm			
	0.5 mL	32	8.2 mm			
	1.5/2.0 mL	32	11.6 mm			
<b>HS29022D</b>	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 <input checked="" type="checkbox"/>
	15 mL	12	17.5 mm			
	0.5 mL	32	8.2 mm			
	1.5/2.0 mL	32	11.6 mm			
<b>HS29022E</b>	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 <input checked="" type="checkbox"/>
	15 mL	12	17.5 mm			
	0.5 mL	32	8.2 mm			
	1.5/2.0 mL	32	11.6 mm			
<b>HS29022F</b>	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 <input checked="" type="checkbox"/>
	15 mL	12	17.5 mm			
	0.5 mL	32	8.2 mm			
	1.5/2.0 mL	32	11.6 mm			
<b>HS29022G</b>	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	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> *
	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
<b>HS29050A</b>	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	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> *
	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 <input checked="" type="checkbox"/>
<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 <input checked="" type="checkbox"/>
<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 <input checked="" type="checkbox"/>
<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 <input checked="" type="checkbox"/>
<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 ■

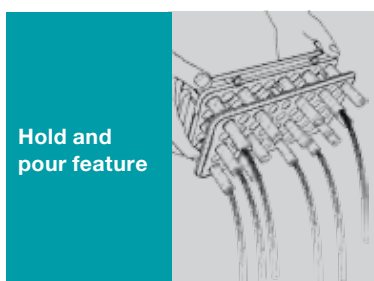
- Holds either 13 and 16 mm blood collection tubes
- Available in two formats
- Slotted bottom

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



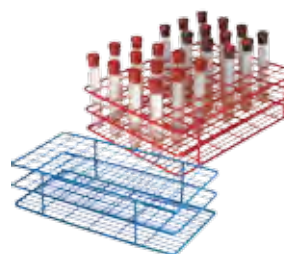
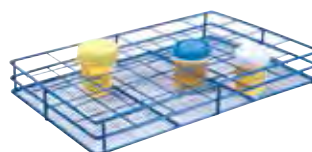
Hold and pour feature

### 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 □



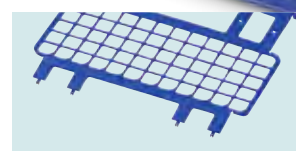
## Fold and Snap Test Tube Rack

### 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
<b>HS243073B</b>	5-10 mL	90	13 mm	9.64 x 4.13 x 2.4 in (24.5 x10.5 x 6.3 cm)	1/ea	Blue <span style="color:blue">■</span>
<b>HS243073W</b>	5-10 mL	90	13 mm	9.64 x 4.13 x 2.4 in (24.5 x10.5 x 6.3 cm)	1/ea	White <span style="color:white">□</span>
<b>HS243073R</b>	5-10 mL	90	13 mm	9.64 x 4.13 x 2.4 in (24.5 x10.5 x 6.3 cm)	1/ea	Red <span style="color:red">■</span>
<b>HS243073Y</b>	5-10 mL	90	13 mm	9.64 x 4.13 x 2.4 in (24.5 x10.5 x 6.3 cm)	1/ea	Yellow <span style="color:yellow">■</span>
<b>HS243077B</b>	5-15 mL	60	17 mm	9.64 x 4.13 x 2.4 in (24.5 x10.5 x 6.3 cm)	1/ea	Blue <span style="color:blue">■</span>
<b>HS243077W</b>	5-15 mL	60	17 mm	9.64 x 4.13 x 2.4 in (24.5 x10.5 x 6.3 cm)	1/ea	White <span style="color:white">□</span>
<b>HS243077R</b>	5-15 mL	60	17 mm	9.64 x 4.13 x 2.4 in (24.5 x10.5 x 6.3 cm)	1/ea	Red <span style="color:red">■</span>
<b>HS243077Y</b>	5-15 mL	60	17 mm	9.64 x 4.13 x 2.4 in (24.5 x10.5 x 6.3 cm)	1/ea	Yellow <span style="color:yellow">■</span>
<b>HS243071B</b>	5-30 mL	40	21 mm	9.64 x 4.13 x 2.4 in (24.5 x10.5 x 6.3 cm)	1/ea	Blue <span style="color:blue">■</span>
<b>HS243071W</b>	5-30 mL	40	21 mm	9.64 x 4.13 x 2.4 in (24.5 x10.5 x 6.3 cm)	1/ea	White <span style="color:white">□</span>
<b>HS243071R</b>	5-30 mL	40	21 mm	9.64 x 4.13 x 2.4 in (24.5 x10.5 x 6.3 cm)	1/ea	Red <span style="color:red">■</span>
<b>HS243071Y</b>	5-30 mL	40	21 mm	9.64 x 4.13 x 2.4 in (24.5 x10.5 x 6.3 cm)	1/ea	Yellow <span style="color:yellow">■</span>



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
<b>HS2132A</b>	1.5/2.0 mL	16	10.9 mm	Square 4 in (10.2 cm)	White <span style="color:white">□</span>
<b>HS2134A</b>	1.5/2.0 mL	20	10.9 mm	Round 3.8 in (9.8 cm dia.)	White <span style="color:white">□</span>

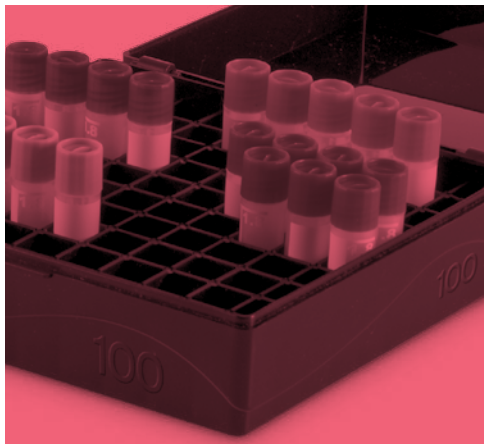
## Floating Foam Tube Racks

- 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
<b>HS2165A</b>	50 mL	4	29 mm	6.4 x 5.3 x 2.5 in (16.5 x 13.7 x 6.5 cm)	Green <span style="color:green">■</span>
<b>HS2165B</b>	15 mL	8	16 mm	6.7 x 2.2 x 2.5 in (17.2 x 5.7 x 6.5 cm)	Blue <span style="color:blue">■</span>
<b>HS2165C</b>	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 <span style="color:yellow">■</span>
<b>HS2166</b>	0.2/0.5/ 1.5-2.0 mL	18	9.3	3.2 in (8.2 cm dia.)	Blue <span style="color:blue">■</span>



# tube storage

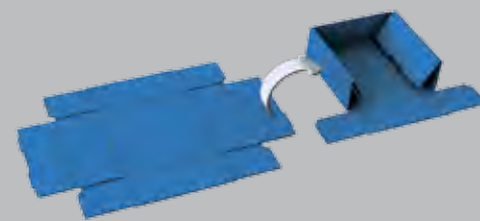
Maximize storage capacity with a variety of reliable sample storage options.



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**



HS120367



HS120394



HS120381

### 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	<input checked="" type="checkbox"/>
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	<input checked="" type="checkbox"/>
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	<input checked="" type="checkbox"/>
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	<input checked="" type="checkbox"/>
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	<input checked="" type="checkbox"/>
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	<input checked="" type="checkbox"/>
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	<input checked="" type="checkbox"/>
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	<input checked="" type="checkbox"/>
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	<input checked="" type="checkbox"/>
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	<input checked="" type="checkbox"/>
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	<input checked="" type="checkbox"/>
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	<input checked="" type="checkbox"/>

### 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	<input checked="" type="checkbox"/>
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	<input checked="" type="checkbox"/>
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	<input checked="" type="checkbox"/>
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	<input checked="" type="checkbox"/>
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	<input checked="" type="checkbox"/>
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	<input checked="" type="checkbox"/>

### 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	<input checked="" type="checkbox"/>
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	<input checked="" type="checkbox"/>
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	<input checked="" type="checkbox"/>



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
<b>HS120220</b>	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/pkg	White <input type="checkbox"/>
<b>HS120221</b>	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/pkg	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
<b>HS2860A</b>	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/pkg	White <input type="checkbox"/>
<b>HS2860B</b>	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/pkg	White <input type="checkbox"/>
<b>HS2860C</b>	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/pkg	Assorted <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> *
<b>HS2860CB</b>	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/pkg	Blue <input type="checkbox"/>
<b>HS2860CR</b>	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/pkg	Red <input type="checkbox"/>
<b>HS2860CY</b>	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/pkg	Yellow <input type="checkbox"/>
<b>HS2860E</b>	Partition (10 x 10)	1.5/2.0 mL	100	11.5 mm	—	12/pkg	
<b>HS2860H</b>	Partition (9 x 9)	1.5/2.0 mL	81	12 mm	—	12/pkg	
<b>HS2860F</b>	Partition (8 x 8)	1.5/2.0 mL	64	15 mm	—	12/pkg	
<b>HS2860G</b>	Partition (7 x 7)	1.5/2.0 mL	49	17.5 mm	—	12/pkg	

\*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
<b>HS2860M</b>	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/pkg	White <input type="checkbox"/>
<b>HS2860T</b>	Partitions	36	15 mL	17.5 m		10/pkg	White <input type="checkbox"/>
<b>HS2860P</b>	Partitions	16	50 mL	29.5 mm		10/pkg	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.

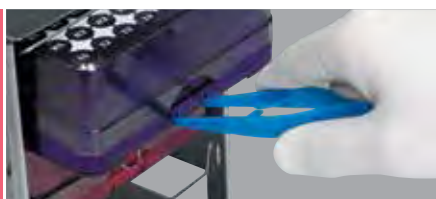
- Hinged lid with built-in stop allows easy one-handed access to samples (not on HS23325A, slip on lid)
- Forward-sloped base and high contrast indexing on the transparent lid ensure quick visual orientation
- Magnetic tipped forceps supplied with styles b and d, help pick vials and remove boxes from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

		Part No.	Tubes	Wells	Wells dia.	L x W x H		Qty.	Color
<b>a</b>	<b>5 x 5 array boxes</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.

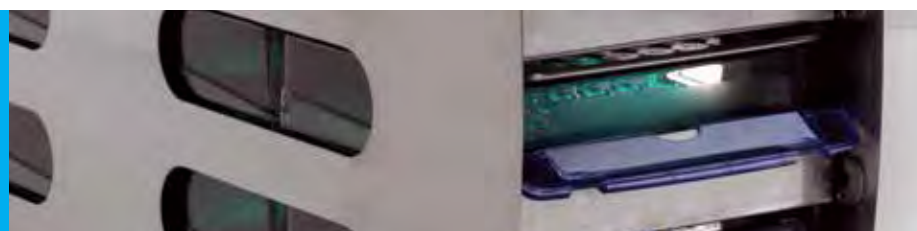
Includes embedded magnet for easy forceps storage.



### 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.





# work2store®

## 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
<b>HS120018</b>	1.5/2.0 mL	64	12.3 mm	L x W x H closed - with lid	1/ea	White <input type="checkbox"/>
				5.2 x 5.2 x 2 in (13.3 x 13.8 x 5.3 cm)		

### 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	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)		



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"/>



#### Holds either:

- 15 mL or
- 50 mL samples

## 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 (12.5 x 12.5 x 12.9 cm)	5/pk	Purple <input checked="" type="checkbox"/>
	50 mL	9	31 mm			



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

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
<b>HS120032</b>	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/pk	Natural <input type="checkbox"/>
<b>HS120033</b>	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/pk	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> *

\*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
<b>HS120034</b>	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/pk	Natural <input type="checkbox"/>
<b>HS120035</b>	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/pk	Blue <input type="checkbox"/>
<b>HS120036</b>	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/pk	Green <input type="checkbox"/>
<b>HS120037</b>	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/pk	Pink <input type="checkbox"/>
<b>HS120038</b>	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/pk	Yellow <input type="checkbox"/>
<b>HS120039</b>	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/pk	Orange <input type="checkbox"/>
<b>HS120040</b>	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/pk	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> *
<b>HS120041</b>	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/pk	Black <input type="checkbox"/>

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



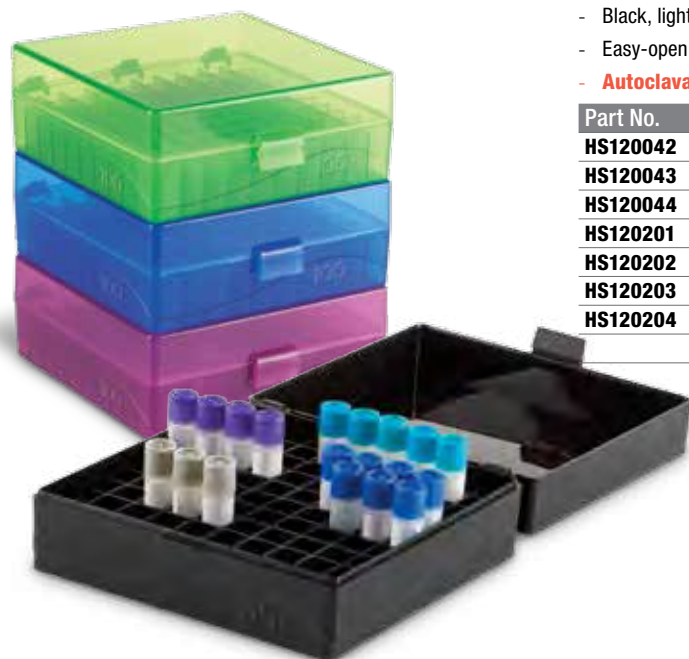
## 100-Well Microtube Storage Boxes

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
<b>HS120042</b>	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/pk	Natural <input type="checkbox"/>
<b>HS120043</b>	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/pk	Black <input type="checkbox"/>
<b>HS120044</b>	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/pk	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> *
<b>HS120201</b>	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/pk	Blue <input type="checkbox"/>
<b>HS120202</b>	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/pk	Green <input type="checkbox"/>
<b>HS120203</b>	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/pk	Yellow <input type="checkbox"/>
<b>HS120204</b>	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/pk	Orange <input type="checkbox"/>

\*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
<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 <input checked="" type="checkbox"/>
<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 <input checked="" type="checkbox"/>
<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"/>

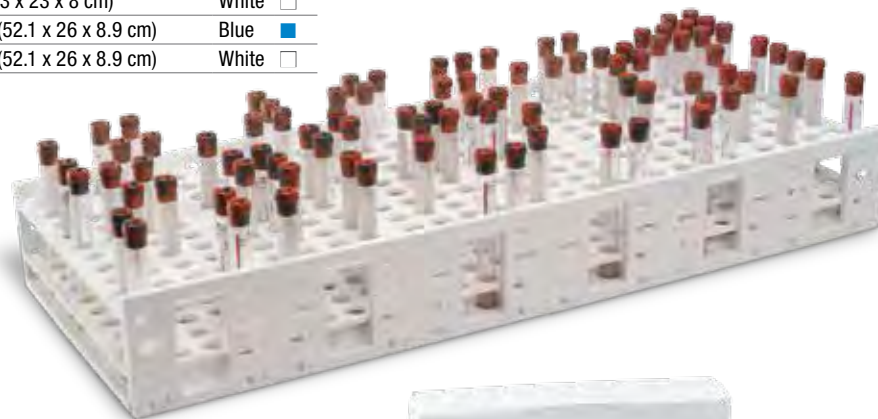


Single Mega Rack®

#### 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 (67.3 x 23 x 8 cm)	Blue <input checked="" type="checkbox"/>
<b>HS120112</b>	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"/>
<b>HS120115</b>	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 <input checked="" type="checkbox"/>
<b>HS120114</b>	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
<b>HS120356</b>	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 <input checked="" type="checkbox"/>



## 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
<b>HS120357</b>	0.2 mL 0.5 mL	64 96	5.1 mm 7.8 mm	5.09 x 5.1 x 1.37 in (12.93 x 13.0 x 3.5 cm)	1/ea	Lt. Purple <input checked="" type="checkbox"/>



## TracRack® Outer Box

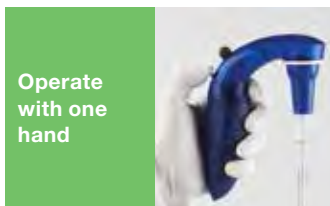
- Made from thin film polypropylene material
- Store down to temperatures of -80°C
- Moisture resistant, significantly reducing the chance of mold
- Removable segments allow outer shell to be used for storage of other small laboratory products
- 2 in. (5.3 cm) boxes fit in standard freezer racks





# pipetting

Whether it be dispensing or aspirating microliters or milliliters, we offer you precision at your finger tips.



# RF1000™

manual pipette controller

## Lightweight and easy to use!

The RF1000™ is a manual pipette controller and is uniquely designed for one-handed operation. Simply squeeze the main bulb and push the toggle forward to aspirate or back to dispense. Push the blowout bulb to expel any liquid remaining in the pipette.

- Tapered silicone rubber pipette adapter allows a large range of pipette sizes range 1-50 mL and makes to be used. Replaceable when worn.
- Accepts common, and readily available replacement filters unlike other pipette aids whose filters are custom. This will help reduce total cost of ownership over time
- Includes one 0.45 µm filter
- **Autoclavable nose cone assembly**

Part No.	Description
<b>HS1000RFU</b>	RF1000™
Replacement Parts	
<b>HS5000RFFIL</b>	Replacement filters, pack of 5
<b>HS5000RFRP</b>	Replacement pipette adapter, silicone
<b>HS1000RFRR</b>	Replacement nose cone, PP, dark blue

## Specifications:

- Power:** Manual
- Filter:** PTFE/25 mm dia / 0.45 µm filter in PP housing
- Pipettes:** 1 – 50 mL, glass and plastic
- Pipette Nozzle:** Polypropylene, autoclavable
- Dimensions:** 180 x 45 x 120 mm

## Manual Pipette Controller

The economical pipette controller which limits over aspiration

Only need one larger volume pipette controller for the entire range of bulb. Works with graduated glass and plastic pipettes from 0.1 to 100 mL.

- Penetration by liquids is effectively reduced by the hydrophobic membrane filter
- Replacement filter is provided as standard

4 colors	Part No.	No. Channels	L x W	Color
	<b>HS120361</b>	Single	215 x 40 mm	Blue
	<b>HS120362</b>	Single	215 x 40 mm	Orange
	<b>HS120363</b>	Single	215 x 40 mm	Coral
	<b>HS120364</b>	Single	215 x 40 mm	Green

**Filling**

- Suction bellow allows aspiration up to 50 mL with one compression
- Fill rate can be varied with the pipetting lever

**Delivery**

- Discharge liquid by pressing down on the lever
- The valve system is designed so that flow rate does not affect accuracy

**Blow-out feature**

- Discharge liquid by pressing down on the lever
- The valve system is designed so that flow rate does not affect accuracy





Slight downward slant to tip ejector button reduces hand fatigue, incidence of repetitive strain injury (RSI)

Volume adjustment and low-force dispensing all in one button for convenience

Finger hook

Isolated volume locking ring prevents accidental volume changes

3-position volume display

Each unit is color coded and labeled with volume range (Both top and side colored components for quick visual confirmation)

Precision metal components for both shaft and barrel ensure reliable performance and long life

## Pearl® Pipettes Adjustable Volume

### Precision liquid handling

A complete range of single-channel pipette volumes to cover all your possible needs. The sleek, ergonomic design and reduced plunger pressure help reduce the chance of Repetitive Stress Injury (RSI), as the pipettes require 2/3 the operation pressure of most standard pipettes.

Each pipette is tested in accordance with standards and a calibration certificate is supplied. Manufactured in accordance with ISO08655 and GLP regulations.

- Internal metal parts for increased accuracy and calibration stability
- Easy volume adjustment with locking tab to prevent accidental change
- Separate tip ejector
- Large digital volume display
- CE certified
- **Autoclavable**



HS120217

HS120215



10 single volume ranges available

2 eight and twelve volume ranges available

Part No.	No. Channels	Volume Range	Color
HS120097	Single	0.1–2 µL	Green
HS120098	Single	0.5–10 µL	Lt. Blue
HS120099	Single	2–20 µL	Lt. Purple
HS120100	Single	5–50 µL	Orange
HS120101	Single	10–100 µL	Blue
HS120102	Single	20–200 µL	Yellow
HS120103	Single	30–300 µL	Purple
HS120104	Single	100–1000 µL	Blue
HS120105	Single	500–5000 µL	Pink
HS120106	Single	1000–10000 µL	Red
HS120215	Eight	5–50 µL	Orange
HS120216	Eight	30–300 µL	Purple
HS120217	Twelve	5–50 µL	Orange
HS120218	Twelve	30–300 µL	Purple



# RF3000<sup>®</sup>

pipette controller

## Packed with features for comfortable and accurate pipetting

The powerful pump offers rapid, yet sensitive aspiration and dispensing, has adjustable valves and is microprocessor controlled for constant reliability and accuracy.

- Operates with 100–240 volt electrical supplies worldwide
- Long-life li-ion battery, with quick charge—up to 20 hours continuous use
- UV-resistant housing
- Universal grip and soft-coated triggers with direction indicators, for right- or left- handed users
- Ergonomically balanced in the hand with a loaded pipette
- Bright LEDs indicate three operation modes: high, low, and gravity
- Toggle operation by pressing the large mode button
- Five different colored nose cones included to help differentiate department, task or user, as well as a labeling area on the side of the unit
- Filters are readily available, so you are not tied into a pipette specific brand—helps reduce the total life costs of ownership versus other makes of pipette controllers
- An adapter can be fitted to the nose cone to stabilize small volume and thinner pipettes
- Low-battery indicator; can be recharged when in use



Operational mode indicator

Magnetic wall mount

### Specifications:

**Power:** Rechargeable li-ion battery (replaceable)

**Filter:** PTFE/25 mm dia / 0.45 µm filter

**Pipettes:** 1 – 100 mL, glass and plastic

**Pipette Nozzle:** Polypropylene, autoclavable

**Dimensions:** 15 x 152 x 41 mm

### One-year warranty

Tested to comply with U.S., Canadian and European Safety and EMC Standards

### Package Includes:

- Charging stand and wall-mountable/magnetic holder
- Nozzle adapter for use with small pipettes
- Li-ion rechargeable battery
- Three replacement 0.45 µm filters
- Five nose cones, black, yellow, red, grey and blue
- Low-voltage, double-insulated AC adapter 100 to 240V, 50/60Hz with four interchangeable plugs



Part No.	Description
<b>HS3000</b>	RF3000 with power adapter
<b>Replacement Parts:</b>	
<b>HS5000RFFIL</b>	Filters, pack of 5
<b>HS300501</b>	Universal power adapter
<b>HS300502</b>	Battery RF3000
<b>HS300504</b>	Nose cones, pack of 5 <span style="color: blue;">■</span> <span style="color: green;">■</span> <span style="color: red;">■</span> <span style="color: grey;">■</span> <span style="color: blue;">■</span> * <b>Autoclavable</b>

\*Assorted colors (Black, Yellow, Red, Grey and Blue)



Benchtop charging base

Rechargeable li-ion battery (replaceable)

# Flip & Grip®

## Pipette Holder

The perfect choice for your labs changing needs

Unique pipette holder that gives you the option of using on the bench top, or hanging under shelf holder to help maximize your working space.

- Will hold up to 12 single-channel pipette, or a combo of 3 single- and 3 multichannel pipettes
- Holds most common brands
- Rubber grips prevent scratching pipette
- Holder rotates for easy pipette selection and storage
- Weighted base
- Fixing screw provided to install under shelf



Rack rotates for easy pipette selection

Part No.	H x W Bench Top Style	H x W Under Shelf Style	Color
<b>HS120026</b>	332 x 193 mm	187 x 193 mm	Blue <span style="color: blue;">■</span>
<b>HS120056</b>	332 x 193 mm	187 x 193 mm	Lime <span style="color: green;">■</span>
<b>HS120057</b>	332 x 193 mm	187 x 193 mm	Magenta <span style="color: magenta;">■</span>

Pipettes can be held in the rubber grips and/or the plunger hooks



Mount base under shelf or counter



## Clamp-ette® Pipette Holders

Create an instant pipette holding point within your lab

Secures to tabletops, benches and shelves with a twist

- Chemical-resistant polypropylene and fits most major pipette brands
- Available in a single or triple format
- **Autoclavable**

Part No.	Description	L x W x H	Color
<b>HS2062A</b>	Clamp-ette	110 x 45 x 105 mm	Blue <span style="color: blue;">■</span>
<b>HS2062B</b>	Clamp-ette 3 pack	110 x 45 x 105 mm	<span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: purple;">■</span> *
<b>HS20162A</b>	Tri clamp-ette	157 x 120 x 95 mm	Blue <span style="color: blue;">■</span>
<b>HS20162C</b>	Tri clamp-ette	157 x 120 x 95 mm	Purple <span style="color: purple;">■</span>

\* Assorted colors (Blue, Red, Purple)



Secures to tabletops, benches and shelves





## Pipette Workstation

### Organize your pipette and tips

Keep pipette and disposable tips together in one convenient stand.

- Acrylic workstation is opaque on sides with clear front and bin lids for easy content identification
- Holds up to four pipettes on top shelf
- Dual bins hold multiple size tips
- Self-closing lid provides dust-free storage
- Oversized lip allows for easy access when wearing gloves

Part No.	L x W x H
<b>HS234631</b>	244 x 165 x 246 mm



SEE PAGE 88 for MagPette™ pipette holder, a part of the MagLab Series™ that helps organize common lab products off your bench top

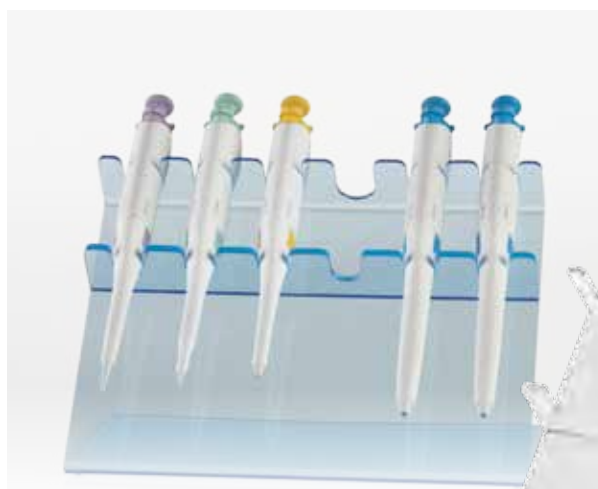
## Pipette Stands

### Convenient and safe storage

3-, 4-, and 6-place pipette stands are designed to hold most major pipette brands.

- Acrylic stands are transparent/clear; ABS stands are solid opaque colors

Part No.	Material	Holds	Slot Upper	Slot Lower	Color
<b>HS206203</b>	Acrylic	Three	25 mm	20 mm	Clear <input type="checkbox"/>
<b>HS206204</b>	Acrylic	Four	25 mm	20 mm	Clear <input type="checkbox"/>
<b>HS20620</b>	Acrylic	Six	25 mm	20 mm	Clear <input type="checkbox"/>
<b>HS20613C</b>	Acrylic	Six	25 mm	20 mm	Blue <input checked="" type="checkbox"/>
<b>HS20613E</b>	ABS	Six	25 mm	20 mm	Blue <input checked="" type="checkbox"/>



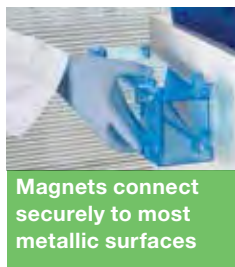
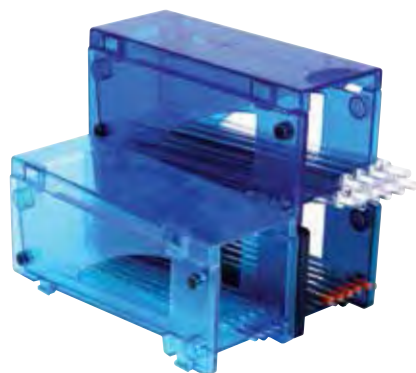
6-Place Stand Acrylic Blue



3-Place Stand



6-Place Stand



Magnets connect securely to most metallic surfaces

Units lock securely together horizontally or vertically

## Cargo Pipette Rack

### Customize your storage of pipettes

Organize the cargo pipette rack to meet your laboratory or personal needs. Click together horizontally or vertically to build the desired configuration, or use as individual holders, utilizing the three lid sections provided.

- Magnets on both sides of units connect securely and safely to most metal surfaces
- Angled shelves store 0.1 to 50 mL pipettes
- Protective lid encloses the unit to prevent dust build-up and provides additional shelf space

Part No.	L x W x H	Pkg.	Color
<b>HS20615M</b>	301 x 100 x 127.5 mm	3/pk	Blue ■

## Pipette Racks

### Protects and organizes glass and plastic pipettes

Four angled-shelved compartments keep your 0.1 to 50 mL pipettes or cans within easy reach while preventing damage and clutter.

- **Heavy-duty acrylic** version provides crystal-clear viewing from any angle
- **ABS versions** have cut-out viewing window and come with two removable attachments that hold pipette bulbs, fillers, and pumps
- **HS20612M magnetized ABS** version has strong magnets on both sides and mounts securely to steel surfaces

Part No.	Material	L x W x H	Pkg.	Color
<b>HS20611</b>	Acrylic	291 x 88 x 401 mm	1/ea	Clear □
<b>HS20612</b>	ABS	291 x 88 x 401 mm	1/ea	Blue ■
<b>HS20613</b>	ABS	291 x 88 x 401 mm	1/ea	Red ■
<b>HS20612M</b>	ABS	291 x 88 x 401 mm	1/ea	Blue ■



ABS version includes 2 removable pipette attachments

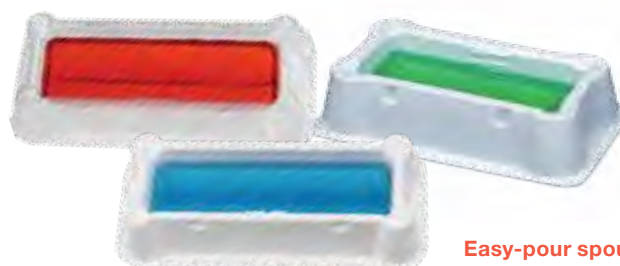
## Dual Solution Reservoir

### Innovative shape guides and protects pipette tips

Reagent reservoir has a standard 50 mL basin on one side and 12 individual 5 mL basins on the other side.

- Made from polypropylene
- Angled wells guide pipette tips toward a center position to help avoid cross contamination and waste
- Imprinted wells identify samples; lids prevent evaporation and contamination

Part No.	Volume	Material	Sterility	L x W x H	Qty.
<b>HS20821A</b>	5/50 mL	Polypropylene	Non-Sterile	125 x 50 x 37 mm	25/pk



Easy-pour spouts  
Crush-resistant "turrets"

## Multi-Channel Reagent Reservoirs

### Designed and packaged for superior handling

Our multi-channel reservoirs are superior in every way with thicker walls, crush-resistant "turrets" at the corners, easy pour-spouts, 25 mL graduation marks, and tabs to prevent stacked reservoirs from sticking together.

- Tapered reservoir bottoms form into a narrow trough to aid full sample recovery
- Sterile versions are individually sealed in sani-tear HDPE packets and gamma-irradiated in an ISO-certified US facility. Traceable certificate available on request

- **Disposable**

Part No.	Volume	Material	Sterility	L x W x H	Qty.
<b>HS20521A</b>	55 mL	Clear PVC	Non-Sterile	145 x 85 x 25 mm	100/pk
<b>HS20521B</b>	55 mL	White Polystyrene	Non-Sterile	145 x 85 x 25 mm	100/pk
<b>HS20521C</b>	55 mL	White Polystyrene	Sterile	145 x 85 x 25 mm	1/bag, 50 bags/pk
<b>HS20721B</b>	100 mL	White Polystyrene	Non-Sterile	145 x 85 x 25 mm	100/pk
<b>HS20721C</b>	100 mL	White Polystyrene	Sterile	145 x 85 x 25 mm	1/bag, 50 bags/pk



## Pipette Tip Disposal Box

### Quick flip of port cover makes tip ejection easy

Convenient for one-handed disposal of used pipette tips. eliminates any need to handle pipette tips used with hazardous fluids.

- The 3/8 in. (10 mm) thick acrylic provides protection from Beta radiation
- The large, hinged lid allows easy disposal of contents
- Suggest using in conjunction with small biohazard disposal bags (page 81), if hazardous fluids are not acrylic friendly

Part No.	L x W x H
<b>HS234634</b>	154 x 171 x 206 mm

## Transfer Pipettes

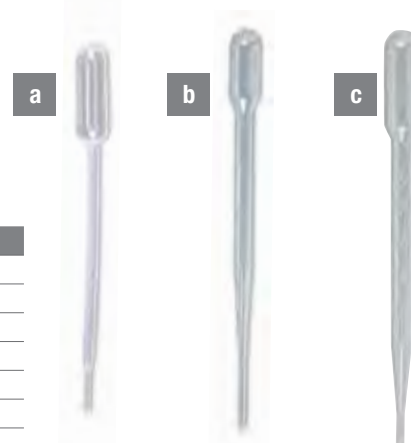
### One-piece, unbreakable polyethylene plastic pipettes

Well-suited for blood banking, urinalysis, hematology, wet chemistry, microbiology, and serology.

- Bulk packed versions come in handy dispenser box
- Sterile versions available single wrapped, or 20 wrapped at a time
- Lot-to-lot traceability on sterile versions

#### - Disposable

	Part No.	Sterile	Length	Graduations	Volume	Working Volume	Indv. Pkg.	Pkg.
	<b>HS206371A</b>	No	150 mm	0.25 mL	5 mL	1 mL	Bulk	500/pk
<b>a</b>	<b>HS206371B</b>	Yes	150 mm	0.25 mL	5 mL	1 mL	20/wrap	500/pk
	<b>HS206371C</b>	Yes	150 mm	0.25 mL	5 mL	1 mL	1/wrap	500/pk
	<b>HS206372A</b>	No	155 mm	0.5 mL	5 mL	2 mL	Bulk	500/pk
<b>b</b>	<b>HS206372B</b>	Yes	155 mm	0.5 mL	5 mL	2 mL	20/wrap	500/pk
	<b>HS206372C</b>	Yes	155 mm	0.5 mL	5 mL	2 mL	1/wrap	500/pk
	<b>HS206373A</b>	No	155 mm	0.5 mL	7 mL	3 mL	Bulk	500/pk
<b>c</b>	<b>HS206373B</b>	Yes	155 mm	0.5 mL	7 mL	3 mL	20/wrap	500/pk
	<b>HS206373C</b>	Yes	155 mm	0.5 mL	7 mL	3 mL	1/wrap	500/pk



## Fillers and Bulbs

Latex Dropper Bulbs (Natural Rubber)	Part No.	Capacity	Length	OD	Hole Dia	Pkg.	Color
	<b>HS20622A</b>	1 mL	43 mm	13 mm	5 mm	72/pk	Natural
	<b>HS20622B</b>	2 mL	52 mm	13 mm	6 mm	72/pk	Natural

- Designed for use with Pasteur pipettes, small pipettes, and medicine droppers

Rubber Bulbs (Natural Rubber)	Part No.	Capacity	Length	OD	Hole Dia	Pkg.	Color
	<b>HS20630B</b>	15 mL	56 mm	34 mm	4 mm	1/ea	Red
	<b>HS20630C</b>	30 mL	66 mm	46 mm	6 mm	1/ea	Red
	<b>HS20630D</b>	60 mL	80 mm	54 mm	6 mm	1/ea	Red
	<b>HS20630E</b>	150 mL	103 mm	73 mm	6 mm	1/ea	Red

- Contoured shape and heavy-wall neck increase grip for easier use with pipettes and syringes
- The 150 mL capacity (HS20630E) red bulb has reinforcing ribs for use with large pipettes.

Vacuum/Pressure Bulb (Synthetic Rubber)	Part No.	Capacity	Length	OD	Hole Dia	Pkg.	Color
	<b>HS20631B</b>	85 mL	137 mm	53 mm	7.4 mm	1/ea	Black

- Ideal for gas sampling or for pumping gas through apparatus
- Two rubber valves with PVC connections (tubing not supplied)

Safety Bulb Pipette Filler (Natural Rubber)	Part No.	Capacity	Length	OD	Hole Dia	Pkg.	Color
	<b>HS20623</b>	15 mL	106 mm	41 mm	4.5-6.5 mm	3/ea	Red

- Features a white ABS attachment containing a silicone conical adapter that seals around pipettes without twisting
- Pipette does not contact hard plastic, which reduces the risk of cracking and chipping
- Elastic band for hanging on reagent bottle or wrist
- Filler fits standard size pipettes

Pipette Filler (Natural Rubber)	Part No.	L x W x D	Color
	<b>HS20632A</b>	130 x 54 x 54 mm	Black
	<b>HS20632B</b>	130 x 54 x 54 mm	Red
	<b>HS20632C</b>	130 x 54 x 54 mm	Blue

- Efficient one-handed operation
- Control air-evacuation, liquid uptake, and liquid dispensing with three valves each containing chemical-resistant stainless steel balls in valves
- Pinch release-valve for smooth liquid flow
- Red pipette filler is safe for pipetting of caustics and does not contain carbon black and will not smudge





# microscopy/histology

Products meeting the demanding standards of clinical, research, and educational labs.

## Premium Microscope Slide Boxes

Slide boxes are perfect for storage or transportation of standard size slides (25 x 75 mm and 1 x 3 inch)

- Molded, rigid boxes securely hold slides in grooved slots
- Durable ABS plastic boxes are available with either cork or foam lining
- Both the lining and the slots are numbered to correspond to the slide inventory sheet



### 25-place Slide Box

Easy access slides with friction-fit cover	Part No.	Capacity	Lining	Hinge	L x W x H	Pkg.	Color
	<b>HS15989A</b>	25 slides	Cork	Friction Fit	141 x 88 x 35 mm	72/cs	Blue
	<b>HS15989B</b>	25 slides	Cork	Friction Fit	141 x 88 x 35 mm	72/cs	Green
	<b>HS15989C</b>	25 slides	Cork	Friction Fit	141 x 88 x 35 mm	72/cs	Red
	<b>HS15989E</b>	25 slides	Cork	Friction Fit	141 x 88 x 35 mm	72/cs	White
	<b>HS15989M</b>	25 slides	Foam	Friction Fit	141 x 88 x 35 mm	72/cs	Blue
	<b>HS15989P</b>	25 slides	Foam	Friction Fit	141 x 88 x 35 mm	72/cs	Red
<b>HS15989R</b>	25 slides	Foam	Friction Fit	141 x 88 x 35 mm	72/cs	White	



### 50-place Slide Box

Thumb-latch lock mechanism	Part No.	Capacity	Lining	Hinge	L x W x H	Pkg.	Color
	<b>HS15996A</b>	50 slides	cork	thumb-latch	209 x 86 x 35 mm	72/cs	Blue
	<b>HS15996B</b>	50 slides	cork	thumb-latch	209 x 86 x 35 mm	72/cs	Red
<b>HS15996C</b>	50 slides	cork	thumb-latch	209 x 86 x 35 mm	72/cs	White	

Available in cork lining only



### 100-place Slide Box

Closes securely with a rust-resistant, nickel-plated clasp and pin hinges	Part No.	Capacity	Lining	Hinge	L x W x H	Pkg.	Color
	<b>HS15994A</b>	100 slides	cork	nickle clasp	208 x 175 x 34 mm	72/cs	Blue
	<b>HS15994B</b>	100 slides	cork	nickle clasp	208 x 175 x 34 mm	72/cs	Green
	<b>HS15994C</b>	100 slides	cork	nickle clasp	208 x 175 x 34 mm	72/cs	Red
	<b>HS15994D</b>	100 slides	cork	nickle clasp	208 x 175 x 34 mm	72/cs	Yellow
	<b>HS15994E</b>	100 slides	cork	nickle clasp	208 x 175 x 34 mm	72/cs	White
	<b>HS15994F</b>	100 slides	cork	nickle clasp	208 x 175 x 34 mm	72/cs	Gray
	<b>HS15994G</b>	100 slides	cork	nickle clasp	208 x 175 x 34 mm	72/cs	Black
	<b>HS15994M</b>	100 slides	foam	nickle clasp	208 x 175 x 34 mm	72/cs	Blue
	<b>HS15994P</b>	100 slides	foam	nickle clasp	208 x 175 x 34 mm	72/cs	Red
<b>HS15994R</b>	100 slides	foam	nickle clasp	208 x 175 x 34 mm	72/cs	White	



### 100-place Tall Slide Box

Stackable with 100-place premium slide boxes	Part No.	Capacity	Lining	Hinge	L x W x H	Pkg.	Color
	<b>HS15979A</b>	100 slides	Cork	Nickle Clasp	208 x 175 x 60 mm	72/cs	Blue

Available in cork lining only  
Additional space for larger 3 x 2 in. slides



## Standard Microscope Slide Boxes

Constructed of durable polypropylene

Slide boxes hold either 25 or 100 standard slides (25 x 75 mm and 1 x 3 inches).

- Hinged lids are held securely closed with a latch lock
- Stacking feet maximize stability
- Slide identification card

	Part No.	Capacity	Hinge	L x W x H	Color
<b>Unlined and stackable</b>	<b>HS15990A</b>	25 slides	Latch Lock	141 x 92 x 30 mm	Blue <input checked="" type="checkbox"/>
	<b>HS15990B</b>	25 slides	Latch Lock	141 x 92 x 30 mm	Red <input checked="" type="checkbox"/>
	<b>HS15990C</b>	25 slides	Latch Lock	141 x 92 x 30 mm	White <input type="checkbox"/>
	<b>HS15991A</b>	100 slides	Latch Lock	210 x 169 x 37 mm	Blue <input checked="" type="checkbox"/>
	<b>HS15991B</b>	100 slides	Latch Lock	210 x 169 x 37 mm	Red <input checked="" type="checkbox"/>
	<b>HS15991C</b>	100 slides	Latch Lock	210 x 169 x 37 mm	White <input type="checkbox"/>



## Storage Rack for Microscope Slide Boxes

Create a file system for 50 and 100 place slide boxes

Storage rack makes organization of samples easy.

- Clear acrylic construction allows the labels to be seen on the slide boxes
- Place boxes in rows or columns by color to create an easy coding system

Part No.	Bins	L x W x H
<b>HS159890B</b>	15 bins	711 x 171 x 228

## truenorth® Microscope Slide Box

Store in ultra-low temperatures with confidence

Protect your slides in ultra-low temperature ranges down to -80°C.

- Durable polycarbonate and stainless steel clasp/ friction fit lid
- Safe storage and transport of 25 x 75 mm (3 x 1 in.) slides
- Uniform grooved slide slots separate slides preventing slide contact
- Temperature-resistant numbered foam lining and identification sheet
- Stackable
- **Autoclavable**

Part No.	Capacity	Hinge	L x W x H	Color
<b>HS15988H</b>	100 slides	Nickle	208 x 175 x 34 mm	Purple <input checked="" type="checkbox"/>
<b>HS120316</b>	25 slides	Friction Fit Lid	141 x 88 x 35 mm	Blue <input checked="" type="checkbox"/>



SEE PAGE 63  
Slide box freezer racks

## Cardboard Slide Tray

Cardboard slide trays hold standard slides (25 x 75 mm and 1 x 3 inches)

- Horizontal compartments are recessed to protect the specimens when the cover is closed
- Features thumb cut for easy slide removal
- Available in 2 sizes with 5 color options for the 20-place trays
- **Disposable**

Part No.	Capacity	L x W x H	Qty.	Trim/Imprinting
<b>HS9902</b>	20 slides	208 x 341 x 9 mm	72/cs	Black ■
<b>HS9913</b>	20 slides	208 x 341 x 9 mm	72/cs	Blue ■
<b>HS9914</b>	20 slides	208 x 341 x 9 mm	72/cs	Green ■
<b>HS120196</b>	20 slides	208 x 341 x 9 mm	72/cs	Red ■
<b>HS120197</b>	20 slides	208 x 341 x 9 mm	72/cs	Yellow ■
<b>HS9930</b>	30 slides	281 x 328 x 10 mm	40/cs	Black ■



20-place

30-place



Includes  
5 colored  
clasps

Stackable

## 20-place Slide Tray Racks

Search, identify, and easily locate the specimen slide you need

Store multiple slide trays for easy retrieval—ideal for microbiology, histology, and pathology fields.

- ABS rack holds five 20-place slide trays (*not included see above*)
- Eliminates the worry of breakage during retrieval—easy access to each of the trays
- Matching clasps provide area for identification labels and doubles as a handle
- Portable and refrigerator safe for cold sample storage
- Stack multiple units to create your own library

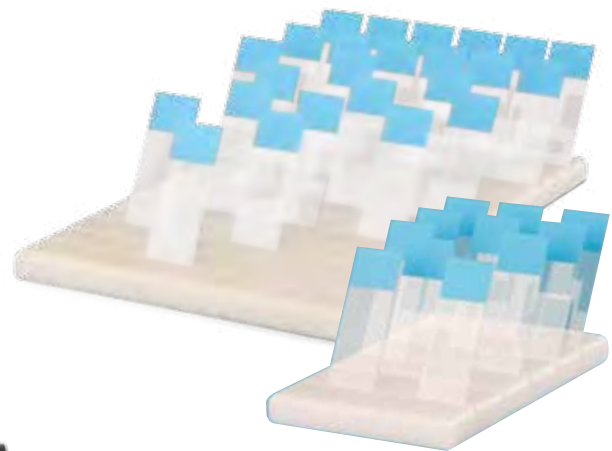
Part No.	Capacity	L x W x H	Color
<b>HS99040A</b>	5 slide trays	226 x 340 x 125 mm	Blue ■

## Slide Holders

Hold slides during evaluation, cleaning, and drying

- Made from chemical-resistant polyethylene
- Solid, strong construction with rubber feet for bench top stability

Part No.	Capacity	L x W x H
<b>HS15981A</b>	40 slides	298 x 105 x 24 mm
<b>HS15981B</b>	78 slides	299 x 178 x 21 mm
<b>HS15981C</b>	15 slides	153 x 102 x 21 mm



## Tungsten-point Lab Pen

Permanently mark glass slides, test tubes, and labware

Sharp, Tungsten carbide tip etches glass, ceramic, and plastic.



- Retract tip for safe storage

Part No.	Measurement
<b>HS1846</b>	9.8 mm dia x 137 mm L

## Slide Mailers

Disposable, safe, secure transport of microscope slides


### Cardboard Slide Mailers

Heavy cardboard mailers for safe transport	Part no.	Capacity	L x W x H	Qty.	Color
	<b>HS9903</b>	1-place	95 x 42 x 5 mm	25/pk	Natural 
	<b>HS9904</b>	2-place	103 x 79 x 5 mm	36/pk	Natural 

- Thumb grooves easy slide removal
- 1-and-2-place slide mailer versions
- Each will hold 25 x 75 mm (1 x 3 in) and or 26 x 76 mm sized slides
- **Disposable**



### Plastic 2-place Slide Mailers


Ideal for secure shipping and storing of slides	Part no.	Capacity	L x W x H	Qty.	Color
	<b>HS15983A</b>	2-place	93 x 68 x 5 mm	25/pk	 *
	<b>HS15983B</b>	2-place	93 x 68 x 5 mm	25/pk	Natural <input type="checkbox"/>

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

- Polypropylene protectors hold two standard (25 x 75 mm and 1 x 3 in) slides securely
- Large, easy-to-secure snaps, provide safe storage for valuable slides
- Variety of colors brings some fun to the lab and enables color coding
- **Disposable**



### Plastic 5-place Slide Mailers

Ideal for secure shipping, storing, or staining slides	Part No.	Capacity	L x W x H	Qty.	Color
	<b>HS15982</b>	5-place	81 x 19 x 31 mm	25/pk	Natural <input type="checkbox"/>
	<b>HS15983G</b>	5-place	43 x 24 x 88 mm	25/pk	 *
	<b>HS15986</b>	5-place	43 x 24 x 88 mm	25/pk	Natural <input type="checkbox"/>

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

- Polypropylene containers hold five standard slides (25 x 75 mm and 1 x 3 in)
- Inside wall features slotted channels to keep slides separated and to make removal easier
- Lid closes securely to keep slides safe
- **Disposable**



## Lens Tissue Books

Non-abrasive cleaning for delicate optical surfaces

Lint-free fiber paper is ideal for cleaning lens and optics.

- Pack consists of 20 books of 100 sheets (4 inner packs of 5 books)

Part No.	L x W
<b>HS15920</b>	100 x 150 mm size sheets





## Slide Staining Tray Set

Reduce possible cross contamination and messy work areas

This rugged staining tray is an economical alternative to metal versions.

- Stain, rinse, and dry slides on a single working tray
- Made from a polypropylene and polyethylene blend
- A clean and fresh working surface area every time
- Up to eight slides fit comfortably onto the base and the deep well holds up to 38 mL
- Compact size and recessed handles for easy transport from work area to sink
- Two convenient pour spouts for quick disposal of unwanted liquid waste
- Dark lid protects slides for light sensitive applications
- Pack of 4 base trays and 1 lid

- **Disposable**

Part no.	Capacity	L x W x H
<b>HS15951A</b>	8 slides	305 x 127 x 29.5 mm



Easy, one-button operation!



Two adapters included for viewing various media

Part No.	Dimensions
<b>HS15941A</b>	44 mm dia; 64 mm H

## Handheld Digital Microscope

Portable compact microscope captures photos, record video and display digital images

Simply hold the unit over an object, turn the top to focus and press the single control button.

- USB powered computer connection and designed to fit in one hand
- Use with a computer or projector
- Software compatible with Microsoft Windows® and Mac (98se/2000/me/XP/Vista/7), MAC OS® x 10.4. computer with monitor required for use (not included)
- Up to 43x magnification using a 17 in monitor (Up to 53x using a 21 in monitor)
- High-quality resolution with 640 x 480 pixels (1280 x 960 mac)
- Direct x 9.0 or above required for Windows os, VGA CMOS sensor
- 15 frames per second with auto white balance and auto exposure
- 4 LED lights illuminate dark settings or objects
- Simple plug and play functionality

## Flexible Digital Microscope

Capture high-quality images at up to 200x magnification

Easy-to-use microscope connects to any PC and provides high-quality images from 10x to 200x magnification.

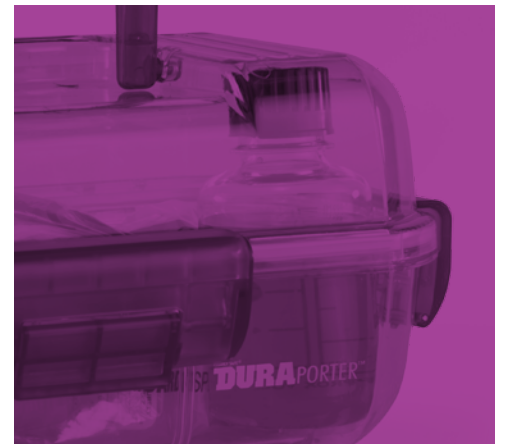
- Built-in camera and microphone provide immediate assessment
- Use with a projector or pc. charges and uploads via computer USB port
- Features true 1.3 mp resolution
- 15 FPS frame rate, focus wheel
- 6 LED lights and measurement software Direct x 9.0 required
- Computer with monitor required for use (not included)
- Portable and ideal for investigating flat or 3d subject matter especially items often difficult to see around or behind
- Ideal for forensic, life science, agricultural, industrial and safety investigations, etc.

Part no.	Base Measures	Bendable Neck Measures
<b>HS15941B</b>	89 x 127 mm	559 mm



Gooseneck bends easily

Focus wheel



# sample/blood collection

Make everyday easier and safer with products designed by phlebotomists, for phlebotomists.

## Blood Collection Tray

### Light weight, heavy on organization

Organize your phlebotomy, I.V. start or catheter insertion supplies with this spacious, robust and easy to clean carry tray.

- Lightweight easy-to-clean abs construction
- Customize the compartments to suit your personal needs with the dividers provided.
- Comfort grip handle tested to hold up to 10 kg
- Comes complete with a 17 mm well 60 place tube rack

Part No.	L x W x H	Handle Height	Tube Rack
<b>HS120261</b>	16.4 x 12.2 x 3.3 in (41.9 x 31.1 x 8.5 cm)	9.4 in (24.1 cm)	17 mm rack



Comes complete with a 17 mm well, 60 place, tube rack



Hooks lock in place when not in use

## totemax™ Blood Collection Trays

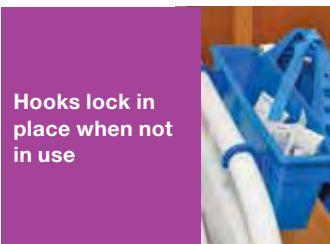
### Keep off the floor, work top or bed



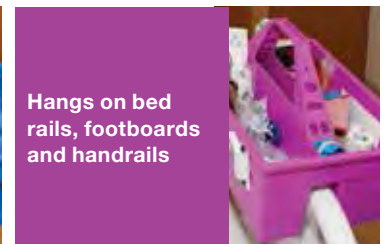
Unique phlebotomy tray design and patented hook feature allows the tray to be on or over most bed rail, footboard and handrails outside a typical patient room.

- Made from food grade resins for a durable non-breakable design
- Deep tray design helps reduce spills

Part No.	L x W x H	Color
<b>HS120021</b>	17 x 11 x 11 in (43.2 x 27.9 x 27.9 cm)	Blue <span style="color: blue;">■</span>
<b>HS120022</b>	17 x 11 x 11 in (43.2 x 27.9 x 27.9 cm)	Red <span style="color: red;">■</span>
<b>HS120023</b>	17 x 11 x 11 in (43.2 x 27.9 x 27.9 cm)	Pink <span style="color: pink;">■</span>
<b>HS120024</b>	17 x 11 x 11 in (43.2 x 27.9 x 27.9 cm)	Purple <span style="color: purple;">■</span>
<b>HS120025</b>	17 x 11 x 11 in (43.2 x 27.9 x 27.9 cm)	Green <span style="color: green;">■</span>



Hooks lock in place when not in use



Hangs on bed rails, footboards and handrails

## Sharps Containers

### Easy to use and transport

- Provides safe disposal of syringes, needles and other small sharp. stackable to reduce storage space before use
- 1.0 L capacity (quart) with a clear lid to view fill level
- Slide access lid provides temporary and final closures for safety and security
- Built-in needle removal port, prevents direct contact with sharps
- Compatible with the **droplet®** blood collection tray, **totemax™** and blood collection tray **HS120261**

Part No.	L x W x H	Pkg.	Colors
<b>HS120177</b>	4.5 x 4.5 x 7.5 in (11.5 x 11.5 x 19.2 cm)	18/pkg	Red <span style="color: red;">■</span>
<b>HS120178</b>	4.5 x 4.5 x 7.5 in (11.5 x 11.5 x 19.2 cm)	18/pkg	Yellow <span style="color: yellow;">■</span>



# droplet™

## Blood Collection Tray

Designed with phlebotomists in mind

Lightweight, roomy and easy-to-clean Droplet™ Blood Collection Tray. Keeping a clean and organized tray has never been easier. Wash the ABS tray as needed, and replace the insert periodically for a fresh start. Tray inserts come in two configurations and include an extra-deep compartment for a sharps container on the following page.

- Lightweight, washable ABS tray
- Tray features a supply drawer, side pockets, and a ratcheting handle with soft rubber grip that rotates out of the way for easy access
- Each tray includes either a 13 mm or a 16 mm Heathrow **onerack®** tube rack and two disposable polystyrene inserts
- Additional inserts sold in packs of 4 in two different configurations



Removable, washable, disposable inserts



Disposable insert A for 13 mm tube rack



Disposable insert B for 16 mm tube rack



Handle with soft rubber grip for easy, safe transport

### Droplet™ Configurations

Part No.	Description	L x W x H	Handle Height
<b>HS2200A</b>	droplet™ blood collection tray with 2 inserts (style a) and a 36-place, 13 mm test tube rack	16.8 x 10.4 x 6.7 in (42.9 x 26.5 x 17.2 cm)	11 in (28 cm)
<b>HS2200B</b>	droplet™ blood collection tray with 2 inserts (style b) and a 36-place, 16 mm test tube rack	16.8 x 10.4 x 6.7 in (42.9 x 26.5 x 17.2 cm)	

### Droplet™ Inserts

Part No.	Description	L x W
<b>HS2201A</b>	droplet™ blood collection tray <b>insert a</b> for 13 mm tube rack	14.2 x 8.2 in (36 x 21 cm)
<b>HS2201B</b>	droplet™ blood collection tray <b>insert b</b> for 16 mm tube rack	14.2 x 8.2 in (36 x 21 cm)



## Droplet™ Lid

Cover for the droplet™ blood collection tray

Protect the contents of the Droplet Tray with this Droplet lid. Custom designed sturdy lid is a snug fit, protects contents and provides access to the tray handle in its vertical position.

- Made of polystyrene
- Can be secured with cable ties for extra security
- Stackable



Keeps contents clean and secure

Part No.	L x W x H	Color
<b>HS2202</b>	16.5 x 9.4 x 8 in (42 x 24 x 20.5 cm)	White <input type="checkbox"/>

## Sample Collection Cart

Stable, secure, transport of collection supplies provides a stable, mobile center for blood collection in your facility

Standard features include:

- Made of durable stainless steel and aluminum construction
- Handle for pulling the unit
- Painted surfaces utilize Microban® protection
- 5 wheel, weighted base for stability of unit
- Designed to hold the droplet™ blood collection station\* (See page 52)

### Sample Collection Cart

Part No.	<b>HS120263</b>
Adjustable Height	30 to 55 in (76.2 x 139.7 cm)
Designated Tray Area	16 x 9 x 6 in (42.9 x 26.5 x 17.2 cm)
Working Surface Area	14.25 x 7.5 in (36.2 x 19.1 cm)
Autoclavable Bin	—
Waste Container w/Lid	—

### Deluxe Sample Collection Cart

Part No.	<b>HS120264</b>
Adjustable Height	30 to 55 in (76.2 x 139.7 cm)
Designated Tray Area	16 x 9 x 6 in (42.9 x 26.5 x 17.2 cm)
Working Surface Area	14.25 x 7.5 in (36.2 x 19.1 cm)
Autoclavable Bin	Clear – 15.5 x 10 x 6 in (40.6 x 25.4 x 15.2 cm) Blue – 10 x 7.4 x 6 in (25.4 x 17.8 x 15.2 cm)
Waste Container w/Lid	1.75 quarts (1.65 L)



Adjustable height



Working surface

Blue Bin

Clear Bin

Waste Container

Deluxe Sample Collection Cart

\*Droplet™ blood collection tray and accessories not included

# droplet™



## Corrugated Sample Storage Tray

### Disposable sample organization and storage

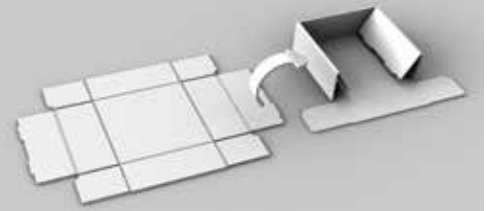
Corrugated storage trays can be used with the included dividers for specimen containers or remove them for general lab product storage or transport.

- Made from corrugated polypropylene
- Moisture resistant, significantly reducing the chance of mold
- Lightweight and sturdy to hold up to 24 full specimen containers
- Stackable with other trays
- Removable dividers allow outer shell to be used for storage or transport of laboratory products
- Pack includes: 10 trays and 10 dividers
- **Disposable**

Part No.	Wells	Well Dia.	L x W x H	Pkg.	Color
<b>HS120375</b>	24	58 mm	16 x 10.24 x 3.5 in (40.6 x 26 x 8.9 cm)	10/pack	White <input type="checkbox"/>

#### Trays are supplied "flat-packed"

reducing the amount of space needed for storage



#### Use for storage or transport of laboratory products



#### Removable inserts



## Droplet® Sample Storage Tray

### Sample organization for the busy lab

Hard wearing storage trays that can be used for specimen containers with the insert provided, or for general lab products without the insert.

- Lightweight and sturdy to hold up to 24 full specimen containers. (Specimen containers not included)
- Removable insert to allow outer shell to be used for storage or transportation of laboratory products
- Stackable with other trays to support as many as four high
- Integrated label holder and cards to enable easily changed identification
- Able to be cleaned with common disinfectants and germicides

Part No.	Wells	Well Dia.	L x W x H	Pkg.	Color
<b>HS120172</b>	24	58 mm	18.9 x 13 x 3.3 in (48 x 33.1 x 8.4 cm)	1/ea	White <input type="checkbox"/>



#### Use for storage or transport of laboratory products



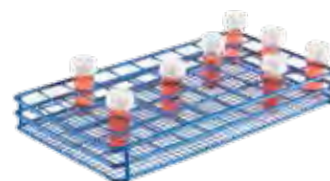
## Epoxy Coated Wire Racks

### 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



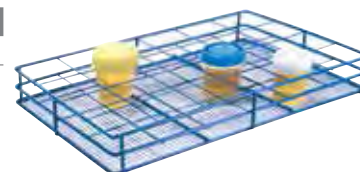
Bijou Bottle Tube Racks	Part No.	Array	Wells	Wells Dia.	L x W x H	Pkg.	Color
	<b>HS120085</b>	2 x 6	12	25 mm	6.4 x 2.51 x 1.25 in (16.4 x 6.4 x 3.2 cm)	1/ea	Blue
	<b>HS120086</b>	5 x 10	50	25 mm	10.66 x 5.7 x 1.25 in (27.1 x 14.5 x 3.2 cm)	1/ea	Blue

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



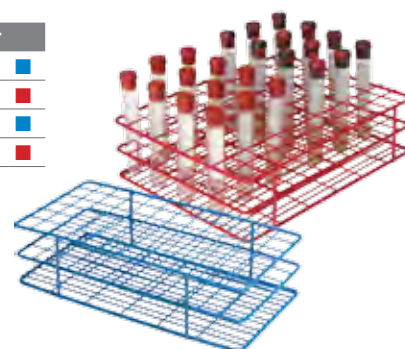
Urine Container Rack	Part No.	Array	Wells	Wells Dia.	L x W x H	Pkg.	Color
	<b>HS120091</b>	6 x 4	24	58 mm	15.47 x 10.31 x 1.97 in (39.3 x 26.2 x 5 cm)	1/ea	Blue

- 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



## DURAPORTER®

### Transport Box

Ideal for transporting biological and clinical samples, as well as instruments and products that you want to keep clean and dry under testing environmental conditions.

The clarity of the duraporter™ enables the user to visibly check sample integrity, so that it can be opened using the right precautions.

- Polycarbonate construction and available in three colors for user/owner identification
- Silicone water-tight seal and three lid clasps provide secure closure
- Carry handle folds neatly into body space allowing the units to be stacked
- Lid opens a full 180°, allowing total access to contents and making it easier to clean
- Will accommodate 13 and 16 mm tubes in a 72-place **onerack™**, or similar sized/brand of rack (see pages 14, 15, 56, and 57)
- Use the separators provided to create your own compartment sizes, or use empty to transport larger products and equipment
- **Autoclavable**

Part No.	L x W x H	Color
<b>HS120052</b>	15 x 7.7 x 6.3 in (38 x 19.6 x 16 cm)	Clear with Blue Handles
<b>HS120077</b>	15 x 7.7 x 6.3 in (38 x 19.6 x 16 cm)	Red with Red Handles
<b>HS120078</b>	15 x 7.7 x 6.3 in (38 x 19.6 x 16 cm)	Yellow with Yellow Handle



Safe,  
secure  
transport  
and  
storage



# one rack®

## test tube rack

### Tough and 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
- Have 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	
<b>HS27511A</b>	5 - 10 mL	72	13 mm	4 x 7.9 x 2.3 in	(10.4 x 20.2 x 5.9 cm)	8/pkg	White	<input type="checkbox"/>
<b>HS27512A</b>	5 - 10 mL	72	16 mm	5 x 9.8 x 2.7 in	(12.7 x 25 x 7 cm)	8/pkg	White	<input type="checkbox"/>
<b>HS27513A</b>	10 - 18 mL	40	20 mm	3.9 x 9.9 x 3.2 in	(10 x 25.2 x 8.3 cm)	8/pkg	White	<input type="checkbox"/>
<b>HS27514A</b>	10 - 18 mL	40	25 mm	4.7 x 11.8 x 3.6 in	(12 x 30 x 9.2 cm)	8/pkg	White	<input type="checkbox"/>
<b>HS27515A</b>	15 - 50 mL	24	30 mm	4.3 x 11.1 x 3.3 in	(11 x 28.2 x 8.5 cm)	8/pkg	White	<input type="checkbox"/>
<b>HS27511B</b>	5 - 10 mL	72	13 mm	4 x 7.9 x 2.3 in	(10.4 x 20.2 x 5.9 cm)	8/pkg	Blue	<input checked="" type="checkbox"/>
<b>HS27512B</b>	5 - 10 mL	72	16 mm	5 x 9.8 x 2.7 in	(12.7 x 25 x 7 cm)	8/pkg	Blue	<input checked="" type="checkbox"/>
<b>HS27513B</b>	10 - 18 mL	40	20 mm	3.9 x 9.9 x 3.2 in	(10 x 25.2 x 8.3 cm)	8/pkg	Blue	<input checked="" type="checkbox"/>
<b>HS27514B</b>	10 - 18 mL	40	25 mm	4.7 x 11.8 x 3.6 in	(12 x 30 x 9.2 cm)	8/pkg	Blue	<input checked="" type="checkbox"/>
<b>HS27515B</b>	15 - 50 mL	24	30 mm	4.3 x 11.1 x 3.3 in	(11 x 28.2 x 8.5 cm)	8/pkg	Blue	<input checked="" type="checkbox"/>
<b>HS27511C</b>	5 - 10 mL	72	13 mm	4 x 7.9 x 2.3 in	(10.4 x 20.2 x 5.9 cm)	8/pkg	Green	<input checked="" type="checkbox"/>
<b>HS27512C</b>	5 - 10 mL	72	16 mm	5 x 9.8 x 2.7 in	(12.7 x 25 x 7 cm)	8/pkg	Green	<input checked="" type="checkbox"/>
<b>HS27513C</b>	10 - 18 mL	40	20 mm	3.9 x 9.9 x 3.2 in	(10 x 25.2 x 8.3 cm)	8/pkg	Green	<input checked="" type="checkbox"/>
<b>HS27514C</b>	10 - 18 mL	40	25 mm	4.7 x 11.8 x 3.6 in	(12 x 30 x 9.2 cm)	8/pkg	Green	<input checked="" type="checkbox"/>
<b>HS27515C</b>	15 - 50 mL	24	30 mm	4.3 x 11.1 x 3.3 in	(11 x 28.2 x 8.5 cm)	8/pkg	Green	<input checked="" type="checkbox"/>
<b>HS27511D</b>	5 - 10 mL	72	13 mm	4 x 7.9 x 2.3 in	(10.4 x 20.2 x 5.9 cm)	8/pkg	Magenta	<input checked="" type="checkbox"/>
<b>HS27512D</b>	5 - 10 mL	72	16 mm	5 x 9.8 x 2.7 in	(12.7 x 25 x 7 cm)	8/pkg	Magenta	<input checked="" type="checkbox"/>
<b>HS27513D</b>	10 - 18 mL	40	20 mm	3.9 x 9.9 x 3.2 in	(10 x 25.2 x 8.3 cm)	8/pkg	Magenta	<input checked="" type="checkbox"/>
<b>HS27514D</b>	10 - 18 mL	40	25 mm	4.7 x 11.8 x 3.6 in	(12 x 30 x 9.2 cm)	8/pkg	Magenta	<input checked="" type="checkbox"/>
<b>HS27515D</b>	15 - 50 mL	24	30 mm	4.3 x 11.1 x 3.3 in	(11 x 28.2 x 8.5 cm)	8/pkg	Magenta	<input checked="" type="checkbox"/>
<b>HS120205</b>	5 - 10 mL	72	13 mm	4 x 7.9 x 2.3 in	(10.4 x 20.2 x 5.9 cm)	8/pkg	Yellow	<input checked="" type="checkbox"/>
<b>HS120206</b>	5 - 10 mL	72	16 mm	5 x 9.8 x 2.7 in	(12.7 x 25 x 7 cm)	8/pkg	Yellow	<input checked="" type="checkbox"/>
<b>HS120207</b>	15 - 50 mL	24	30 mm	4.3 x 11.1 x 3.3 in	(11 x 28.2 x 8.5 cm)	8/pkg	Yellow	<input checked="" type="checkbox"/>

## Half-Size Delrin®

Part no.	Tubes	Wells	Well Dia.	L x W x H		Pkg.	Color	
<b>HS27501A</b>	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"/>
<b>HS27502A</b>	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"/>
<b>HS27503A</b>	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"/>
<b>HS27504A</b>	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"/>
<b>HS27505A</b>	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"/>
<b>HS27501B</b>	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	<input checked="" type="checkbox"/>
<b>HS27502B</b>	5 - 10 mL	36	16 mm	5 x 5 x 2.7 in	(12.7 x 12.7 x 7 cm)	8/pkg	Blue	<input checked="" type="checkbox"/>
<b>HS27503B</b>	10 - 18 mL	20	20 mm	4 x 5 x 3.2 in	(10 x 12.7 x 8.3 cm)	8/pkg	Blue	<input checked="" type="checkbox"/>
<b>HS27504B</b>	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	<input checked="" type="checkbox"/>
<b>HS27505B</b>	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	<input checked="" type="checkbox"/>
<b>HS27501C</b>	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	<input checked="" type="checkbox"/>
<b>HS27502C</b>	5 - 10 mL	36	16 mm	5 x 5 x 2.7 in	(12.7 x 12.7 x 7 cm)	8/pkg	Green	<input checked="" type="checkbox"/>
<b>HS27503C</b>	10 - 18 mL	20	20 mm	4 x 5 x 3.2 in	(10 x 12.7 x 8.3 cm)	8/pkg	Green	<input checked="" type="checkbox"/>
<b>HS27504C</b>	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	<input checked="" type="checkbox"/>
<b>HS27505C</b>	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	<input checked="" type="checkbox"/>
<b>HS27501D</b>	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	<input checked="" type="checkbox"/>
<b>HS27502D</b>	5 - 10 mL	36	16 mm	5 x 5 x 2.7 in	(12.7 x 12.7 x 7 cm)	8/pkg	Magenta	<input checked="" type="checkbox"/>
<b>HS27503D</b>	10 - 18 mL	20	20 mm	4 x 5 x 3.2 in	(10 x 12.7 x 8.3 cm)	8/pkg	Magenta	<input checked="" type="checkbox"/>
<b>HS27504D</b>	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	<input checked="" type="checkbox"/>
<b>HS27505D</b>	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	<input checked="" type="checkbox"/>
<b>HS120398</b>	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	<input checked="" type="checkbox"/>
<b>HS120399</b>	5 - 10 mL	36	16 mm	5 x 5 x 2.7 in	(12.7 x 12.7 x 7 cm)	8/pkg	Yellow	<input checked="" type="checkbox"/>

## Full-Size Polypropylene

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

## Mega Racks®

### High-capacity storage for your tubes

- Fully-assembled, polypropylene mega racks are great for high throughput labs requiring large sample storage
- Sturdy and 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

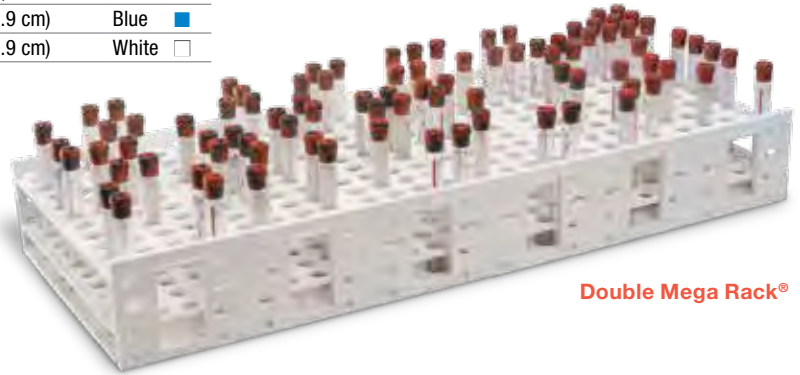
Part No.	Tubes	Wells	Well Dia.	L x W x H	Color
<b>HS24322A</b>	5-7 mL (13mm)	216	13 mm	13.26 x 10.51 x 3.58 in (33.7 x 26.7 x 9.1 cm)	Blue <input checked="" type="checkbox"/>
<b>HS24322E</b>	5-7 mL (13mm)	216	13 mm	13.26 x 10.51 x 3.58 in (33.7 x 26.7 x 9.1 cm)	White <input type="checkbox"/>
<b>HS24323A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

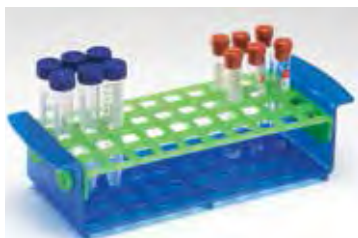
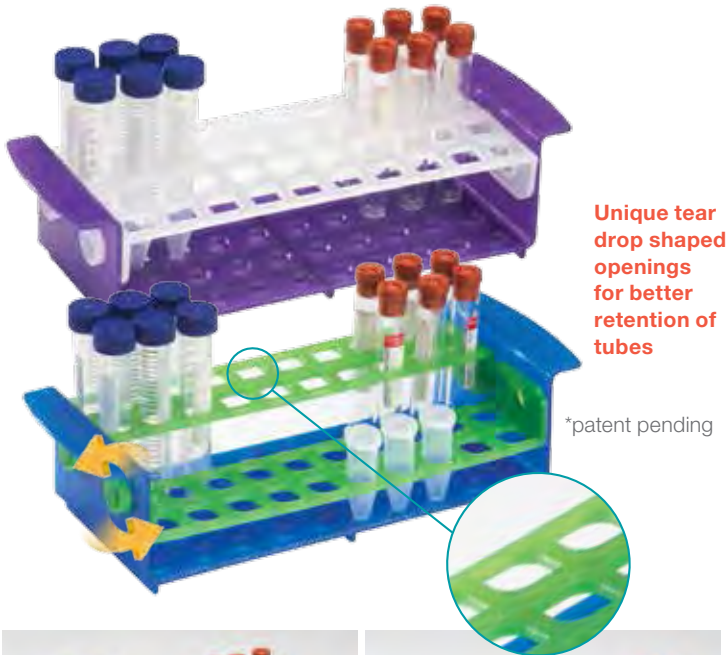
Part No.	Tubes	Wells	Well Dia.	L x W x H	Color
<b>HS120113</b>	5-7 mL (13mm)	432	10-13 mm	26.4 x 9 x 3.1 in (67.3 x 23 x 8 cm)	Blue <input checked="" type="checkbox"/>
<b>HS120112</b>	5-7 mL (13mm)	432	10-13 mm	26.4 x 9 x 3.1 in (67.3 x 23 x 8 cm)	White <input type="checkbox"/>
<b>HS120115</b>	10 mL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



Single Mega Rack®



Double Mega Rack®



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



Rotate one or both segments down to hold 5 mL tubes



### 5 mL/15 mL/16mm Tube Rack\* Rotate with ease to accommodate your needs

This multi-purpose rack is designed with the flexibility to hold 20 - 5 mL, 20 - 15 mL or 16mm tubes **OR** to hold 40 - 5 mL, 40 - 15 mL or 16 mm 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, 15 mL or 16 mm 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

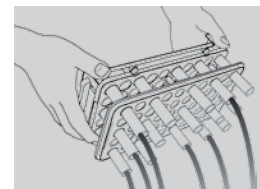
Part No.	Tubes	Wells	Well Dia.	L x W x H	Pkg.	Color
<b>HS120167</b>	5/15 mL	40	17 mm	12.16 x 4.21 x 3.03 in (30.9 x 10.7 x 7.7 cm)	1/ea	Purple Natural <input type="checkbox"/>
<b>HS120467</b>	5/15 mL	40	17 mm	12.16 x 4.21 x 3.03 in (30.9 x 10.7 x 7.7 cm)	1/ea	Green Blue <input checked="" type="checkbox"/>



## 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**



Hold and pour feature

Part No.	Tubes	Wells	Well Dia.	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"/>

## X-tourn™ Tourniquets

Hi-viz orange alert for safer practice

High-quality disposable tourniquets eliminate roping or curling when used. Latex free, no rubber proteins, resins or fatty acids that can produce hypersensitive reactions.

- Made from and smooth polyisoprene
- Less abrasive than other brands, uniform thickness prevents shredding and breaking

- **Disposable**



Available in bulk or on a perforated roll

Part No.	L x W	Packaging	Color
<b>HS120108</b>	18 x 1 in (45.72 x 2.54 cm)	100/pk	Green <input type="checkbox"/>
<b>HS120109</b>	18 x 1 in (45.72 x 2.54 cm)	25/roll	Green <input type="checkbox"/>
<b>HS120110</b>	18 x 1 in (45.72 x 2.54 cm)	250/pk	Orange <input type="checkbox"/>
<b>HS120111</b>	18 x 1 in (45.72 x 2.54 cm)	25/roll	Orange <input type="checkbox"/>



## Hand Tally Counter

Use for counting blood cells, bacterial colonies, drops of liquid or any repetitive event

- Tallies up to 9999
- Features a quick-reset knob
- Lens for easy reading, and finger ring for a secure grip

Part No.	Dimensions
<b>HS6594</b>	1.8 dia x 1.6 w in (4.6 dia x 4.1 w cm)

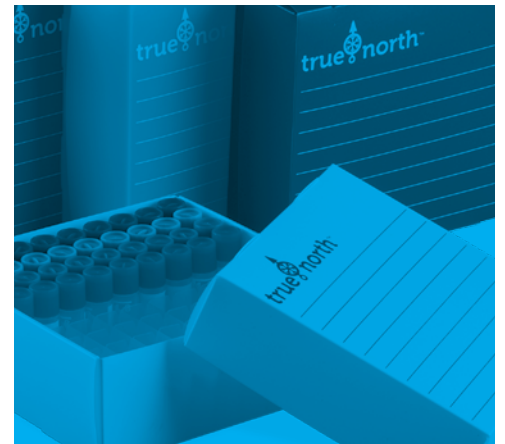
## Benchtop Counters

Mechanical, benchtop counters are perfect for blood cells (label included), bacterial colonies or other repetitive counting

- Each key records up to 999
- Total window keeps track of total number of strokes made on all other keys; bell rings when total reaches 100
- Blood cell key labels

Part No.	Description	L x W x H mm
<b>HS5360A</b>	6-Key Benchtop Counter	9.8 x 3 x 2.2 in (25 x 7.6 x 5.6 cm)
<b>HS5360B</b>	9-Key Benchtop Counter	12.5 x 3 x 2.2 in (32 x 7.6 x 5.6 cm)





# cryo storage

From cool-looking ice containers, to freezer racking compatible with most major brands, our innovative range of products continues to expand.

## Freezer Racks

### Offering a variety of racks to safely store samples in your freezer

Choose from a wide selection of corrosion-resistant stainless steel racks that are compatible with major brands of upright and chest freezers.

- All have handles for easy use
- Racks store boxes up to a 135 x 135 mm footprint and accommodate 2" tall boxes (up to 5 cm) as well as 3" tall boxes (up to 7.6 cm) depending on the rack model

#### Chest Freezer Racks

Part no.	Config.	Box Size	L x W x H
<b>HS2862AB</b>	7 x 1	2 in (5.3 cm)	5.5 x 5.5 x 15.3 in (14.1 x 14.1 x 39 cm)
<b>HS2862A</b>	10 x 1	2 in (5.3 cm)	5.5 x 5.5 x 22 in (14.1 x 14.1 x 55.7 cm)
<b>HS2862AC</b>	11 x 1	2 in (5.3 cm)	5.5 x 5.5 x 24.1 in (14.1 x 14.1 x 61.3 cm)
<b>HS2862AD</b>	12 x 1	2 in (5.3 cm)	5.5 x 5.5 x 26.3 in (14.1 x 14.1 x 66.9 cm)
<b>HS2862AE</b>	13 x 1	2 in (5.3 cm)	5.5 x 5.5 x 28.5 in (14.1 x 14.1 x 72.4 cm)
<b>HS2862DA</b>	5 x 1	3 in (7.6 cm)	5.5 x 5.5 x 16 in (14.1 x 14.1 x 40.6 cm)
<b>HS2862D</b>	8 x 1	3 in (7.6 cm)	5.5 x 5.5 x 25.5 in (14.1 x 14.1 x 64.9 cm)
<b>HS2862DB</b>	9 x 1	3 in (7.6 cm)	5.5 x 5.5 x 29 in (14.1 x 14.1 x 73 cm)

#### Upright Freezer Racks 2 inch Boxes

Part no.	Config.	Box Size	L x W x H
<b>HS2862HA</b>	4 x 3	2 in (5.3 cm)	16.4 x 5.5 x 8.9 in (41.8 x 14.1 x 22.5 cm)
<b>HS2862H</b>	4 x 4	2 in (5.3 cm)	21.8 x 5.5 x 8.9 in (55.6 x 14.1 x 22.5 cm)
<b>HS2862HD</b>	4 x 5	2 in (5.3 cm)	27.3 x 5.5 x 8.9 in (69.5 x 14.1 x 22.5 cm)
<b>HS2862HE</b>	5 x 3	2 in (5.3 cm)	16.4 x 5.5 x 11 in (41.8 x 14.1 x 28 cm)
<b>HS2862HB</b>	5 x 4	2 in (5.3 cm)	22 x 5.5 x 11 in (55.6 x 14.1 x 28 cm)
<b>HS2862HC</b>	7 x 4	2 in (5.3 cm)	22 x 5.5 x 15.4 in (55.6 x 14.1 x 39.2 cm)

#### Upright Freezer Racks 3 inch Boxes

Part no.	Config.	Box Size	L x W x H
<b>HS2862KA</b>	3 x 3	3 in (7.6 cm)	16.4 x 5.5 x 8.9 in (41.8 x 14.1 x 22.6 cm)
<b>HS2862K</b>	3 x 4	3 in (7.6 cm)	22 x 5.5 x 8.9 in (55.6 x 14.1 x 22.6 cm)
<b>HS2862KB</b>	4 x 4	3 in (7.6 cm)	22 x 5.5 x 12.8 in (55.6 x 14.1 x 32.5 cm)
<b>HS2862KC</b>	5 x 4	3 in (7.6 cm)	22 x 5.5 x 16 in (55.6 x 14.1 x 40.6 cm)

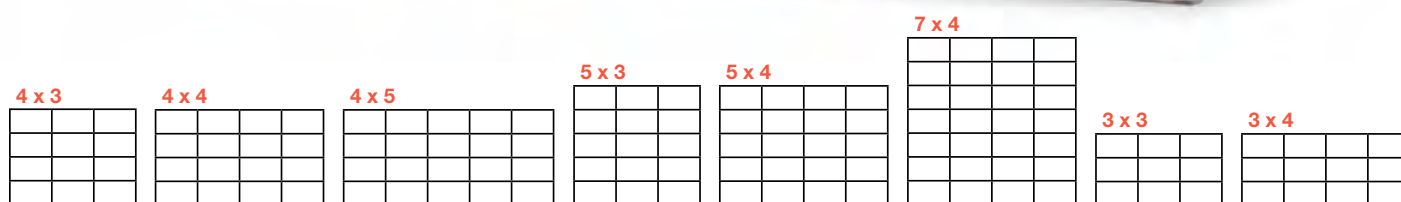


Handles for easy transfer

SEE PAGE 29-35 For storage boxes



Robust mounting brackets assure handles stay securely in place for easy use



Upright freezer rack configurations

## Assay Plate Freezer Rack

### Assay plate and PCR® rack storage in upright freezers

Constructed of corrosion-resistant stainless steel with 16 (4 x 4) rack spaces. Rack includes 3 wire handles and 4 vertical locking rods.

*Suggested applications: (not included)*

- 96-well assay plates (holds 48 each/3 per compartment)
- 24-well assay plates (holds 32 each/2 per compartment)
- 96-deep well assay plates (holds 16 each/1 per compartment)
- 96-well PCR® racks HS23461 a,b,c,d (holds 16 each/1 per compartment)  
(See page 21 for racks)

Part No.	Config.	Opening L x W x H	
<b>HS28624</b>	4 x 4	5.3 x 4.4 x 2.2 in	(13.5 x 11.2 x 5.6 cm)
		Overall L x W x H	
		21.3 x 4.4 x 9 in	(54.3 x 11.2 x 23 cm)

Robust mounting brackets assure handles stay securely in place, for easy use



SEE PAGE 21  
For 96-well  
PCR® racks



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



## Arctic Squares® Freezer Rack

### Innovative horizontal drawer system for upright freezers

- Constructed of corrosion-resistant stainless steel with four drawers to hold 16 boxes
- Drawers feature a unique stop, that when fully extended pivot down allowing for easy box access
- Steel drawer handles provide a user-friendly grip
- Freezer rack also includes a pull-out wire handle for easy removal off the freezer shelf
- Compatible with most standard 2 in (5.3 cm) freezer storage boxes

Part No.	Orientation	Capacity	Shelves	Box Height	L x W x H
<b>HS2864</b>	Horizontal	16 Boxes	4	53 mm	5.4 x 22.4 x 9.3 in (13.9 x 57.1 x 23.8 cm)

SEE PAGES 31, 64, 67, and 68

For storage of arctic squares® cryostorage boxes, and standard boxes up to 5.2 x 5.2 x 2 in (13.3 x 13.3 x 5.3 cm)



Pivot  
drawer  
down for  
easy  
access



### Cube Freezer Rack - Upright

For 15 and 50 mL tube box storage

- Constructed of corrosion-resistant stainless steel with 6 (2 x 3) rack spaces

Part No.	Config.	Opening L x W x H
HS28622	2 x 3	6 x 6.1 x 5.2 in (15.2 x 15.7 x 13.4 cm)
		Overall L x W x H
		18 x 6.2 x 10.6 in (45.9 x 15.9 x 27.1 cm)

Suggested applications:



**SEE PAGE 29**  
for our 15 mL and 50 mL cardboard or polypropylene freezer boxes



**SEE PAGES 33 and 68** for transformable cube rack



### Cube Freezer Rack - Chest

For 15 and 50 mL tube box storage

- Constructed of corrosion-resistant stainless steel with 4 (4 x 1) rack spaces

Part No.	Config.	Opening L x W x H
HS28621	4 x 1	6 x 6.1 x 5.2 in (15.2 x 15.7 x 13.4 cm)
		Overall L x W x H
		6 x 6.1 x 21.2 in (15.2 x 15.7 x 53.9 cm)

**SEE PAGES 30 and 64** for our cardboard or polypropylene tube storage boxes and partitions

### Slide Box Freezer Rack

For slide boxes, reversible PCR® and 50-well EPS racks in upright freezers

Constructed of corrosion-resistant stainless steel with 9 (3 x 3) rack spaces.

Part No.	Config.	Opening L x W x H
HS28623	3 x 3	7.08 x 8.3 x 2.8 in (18 x 21.2 x 7.3 cm)
		Overall L x W x H
		21.29 x 8.5 x 8.7 in (54.1 x 21.7 x 22.1 cm)



**SEE PAGE 46**  
Holds eighteen 100 place or thirty-six new 25 place slide boxes



**SEE PAGE 21**  
Holds 9 each/1 per compartment reversible PCR® rack



**SEE PAGES 33 and 68**  
Holds 9 each/1 per compartment 50-well foam tube rack





## Cardboard Cryogenic Boxes and Partitions

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

- Economical cardboard racks are disposable
- Write-on surface for descriptions or self numbering systems
- Partitions supplied flat—packed for space-saving storage
- Partitions available in two sizes

SEE PAGE 9  
for our selection of  
tubes and microtubes



Part No.	Description	Wells	Tubes	Wells Dia.	L x W x H	Pkg.	Color
<b>HS2860M</b>	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"/>
<b>HS2860T</b>	Partitions	36	15 mL	17.5 mm		10/pk	White <input type="checkbox"/>
<b>HS2860P</b>	Partitions	16	50 mL	29.5 mm		10/pk	White <input type="checkbox"/>

Partitions must be ordered separately

## Cardboard Micro Tube Boxes

### Safe micro tube storage

Low profile boxes are available in two sizes to accommodate standard 0.5 mL and 0.2 mL micro tubes and vessels of a similar size. They are designed to ensure that the tubes contained will remain in their appointed well even if the box is tipped or knocked when the lid is in place.

- 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
<b>HS120220</b>	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"/>
<b>HS120221</b>	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

For storage of small samples and tubes

- Select the size of the box required and match the partition to your tube requirements
- Store in LN<sub>2</sub>, or in mechanical freezers
- Colors allow for easy identification and sorting purposes
- All box footprints are 13.3 x 13.3 cm, select from two different heights



Bottom vent holes allow quick circulation and removal of cold air, vapor or LN<sub>2</sub>

Part No.	Description	Tubes	Wells	Wells Dia.	L x W x H	Pkg.	Color
<b>HS2860A</b>	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"/>
<b>HS2860B</b>	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"/>
<b>HS2860C</b>	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, Blue, Yellow*
<b>HS2860CB</b>	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 <input type="checkbox"/>
<b>HS2860CR</b>	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 <input type="checkbox"/>
<b>HS2860CY</b>	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 <input type="checkbox"/>
<b>HS2860E</b>	Partition (10 x 10)	1.5/2.0 mL	100	11.5 mm	—	12/pk	
<b>HS2860H</b>	Partition (9 x 9)	1.5/2.0 mL	81	12 mm	—	12/pk	
<b>HS2860F</b>	Partition (8 x 8)	1.5/2.0 mL	64	15 mm	—	12/pk	
<b>HS2860G</b>	Partition (7 x 7)	1.5/2.0 mL	49	17.5 mm	—	12/pk	

\*Assorted colors (Red, Blue, Yellow)

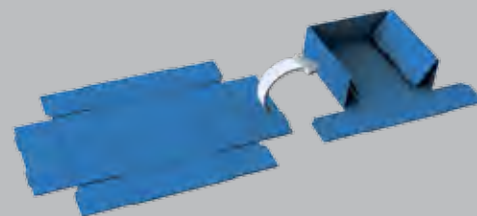
Partitions must be ordered separately





**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 from polypropylene material
- Easy self-assemble boxes shipped flat-packed
- More durable than card 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**



**HS120367**



**HS120394**



**HS120381**



**HS120372**

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	
<b>HS120379</b>	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"/>
<b>HS120380</b>	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	<input checked="" type="checkbox"/>
<b>HS120381</b>	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	<input checked="" type="checkbox"/>
<b>HS120382</b>	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	<input checked="" type="checkbox"/>
<b>HS120383</b>	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"/>
<b>HS120384</b>	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	<input checked="" type="checkbox"/>
<b>HS120385</b>	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	<input checked="" type="checkbox"/>
<b>HS120386</b>	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	<input checked="" type="checkbox"/>
<b>HS120262</b>	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"/>
<b>HS120376</b>	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	<input checked="" type="checkbox"/>
<b>HS120377</b>	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	<input checked="" type="checkbox"/>
<b>HS120378</b>	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	<input checked="" type="checkbox"/>
<b>HS120387</b>	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"/>
<b>HS120388</b>	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	<input checked="" type="checkbox"/>
<b>HS120389</b>	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	<input checked="" type="checkbox"/>
<b>HS120390</b>	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	<input checked="" type="checkbox"/>

Corrugated Polypropylene 15 mL and 50 mL

Part No.	Tube	Wells	Well Dia.	L x W x H	Pkg.	Color	
<b>HS120391</b>	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"/>
<b>HS120392</b>	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	<input checked="" type="checkbox"/>
<b>HS120393</b>	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	<input checked="" type="checkbox"/>
<b>HS120384</b>	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	<input checked="" type="checkbox"/>
<b>HS120366</b>	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"/>
<b>HS120367</b>	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	<input checked="" type="checkbox"/>
<b>HS120368</b>	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	<input checked="" type="checkbox"/>
<b>HS120369</b>	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	<input checked="" type="checkbox"/>

Thin Polypropylene film 1.5-2 mL

Part No.	Tube	Wells	Well Dia.	L x W x H	Pkg.	Color	
<b>HS120370</b>	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"/>
<b>HS120371</b>	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	<input checked="" type="checkbox"/>
<b>HS120372</b>	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	<input checked="" type="checkbox"/>
<b>HS120373</b>	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	<input checked="" type="checkbox"/>



## Cryogenic Vial Holders

Safely store and transport cryogenic vials

- 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
- Made from polycarbonate—can withstand cryogenic freezing
- **Autoclavable**

Part No.	Tubes	Wells	Wells Dia.	L x W x H	Pkg.	Color
<b>HS23229B</b>	2-4 mL	50	12.9 mm	7.75 x 4.0 x 0.9 (19.7 x 10.2 x 2.3 cm)	4/pk	Blue ■

## True North® Mini Coolers

Protect temperature-sensitive samples at the bench or in the freezer

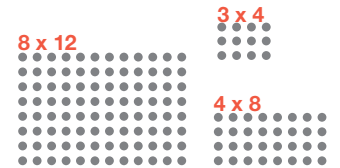
Ideal for keeping PCR® reagents, enzymes, and other biochemical reagents cool while working at the bench.

Filled with insulating gel, the mini coolers can also be used for controlled sample freezing and for longer temperature retention samples.

- Polycarbonate construction with rubber non-slip feet
- Gridded and keyed one-position lids for easy sample identification
- 0.5 mL tube adapters supplied as standard with the 0.5–2.0 mL tube size versions
- Temperature-retention graph supplied with each of the 7 styles
- Versions available for 0.5 and 1.5/2.0 mL microcentrifuge tubes and cryogenic vials and a 96-place version for 0.2 mL tubes and assay plates



Part No.	Temp	Tube Array	Tubes	Tube Sizes	Lid	L x W x H	Temp Retention	Color
<b>HS120070</b>	0°C	3 x 4	12	0.5–2 mL	Clear	145 x 105 x 100 mm	1°C for 4 hr**	Green ■
<b>HS120071</b>	0°C	4 x 8	32	0.5–2 mL	Clear	245 x 105 x 100 mm	1°C for 5 hr**	Green ■
<b>HS120072</b>	0°C	4 x 8	32	0.5–2 mL	Gel Filled	245 x 105 x 100 mm	1°C for 7.5 hr**	Green ■
<b>HS120073</b>	-20°C	3 x 4	12	0.5–2 mL	Clear	145 x 105 x 100 mm	-15°C for 2.5 hr**	Blue ■
<b>HS120074</b>	-20°C	4 x 8	32	0.5–2 mL	Clear	245 x 105 x 100 mm	-15°C for 3.5 hr**	Blue ■
<b>HS120075</b>	-20°C	4 x 8	32	0.5–2 mL	Gel Filled	245 x 105 x 100 mm	-15°C for 5 hr**	Blue ■
<b>HS120076</b>	-20°C	8 x 12	96	0.2 mL	Clear	225 x 165 x 110 mm	-15°C for 3.5 hr	Blue ■



## Work 2 Store® Expanding Storage Box

- 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 cry and/or micro tubes
- Stackable, autoclavable and with alphanumeric well identification
- Will fit into standard 2"
- **Autoclavable**

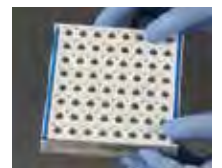
Part No.	Tubes	Wells	Well Dia.	L x W x H Open	Pkg.	Color
<b>HS120018</b>	1.5/2.0 mL	64	12.3 mm	12.2 x 5 x 1.3 in (31 x 12.8 x 3.35 cm)	1/ea	White <input type="checkbox"/>
				<b>L x W x H Closed - with Lid</b>		
				5.2 x 5.2 x 2 in (3.3 x 13.3 x 5.3 cm)		

## Work 2 Store® Micro

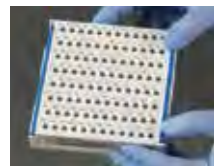
- 0.2 mL tube side has been configured to work 8 strip, 12 strip or single tubes
- Low profile clear lid fits either side and locks the rack together for safe handling and transportation
- **Autoclavable**

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.	Wells	Tubes	Well Dia.	L x W x H Open	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"/>
				<b>L x W x H Closed - with Lid</b>		
				5.2 x 5.2 x 1.8 in (13.3 x 13.3 x 4.8 cm)		



96 x 0.2 mL



64 x 0.5 mL



## Arctic Squares® Polycarbonate Cryostorage Boxes

Safely store vials from -196 to +121°C in mechanical freezers as well as liquid nitrogen

Our patented 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 (style a, 25-place box, 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 and are stackable
- **Autoclavable**

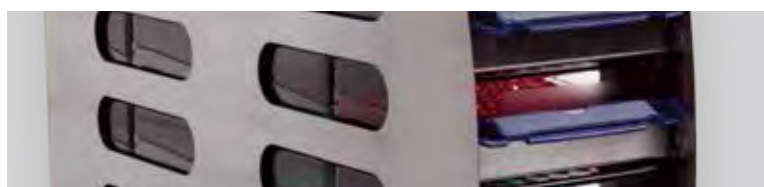
	5 x 5 array boxes	Part No.	Tubes	Wells	Wells Dia.	L x W x H	Qty.	Color
<b>a</b>	- Ideal for small sampling - Friction fit, slide-on lid	<b>HS23325A</b>	2.0 mL	25	12.5 mm	2.99 x 2.99 x 2.0 in (7.6 x 7.6 x 5.3 cm)	8/pk	Ruby Red ■
<b>b</b>	<b>9 x 9 array standard boxes</b> - Hinged lid - Wells arranged 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

Uniform wells with location ID. Capacity indicated on the outside of the box



## 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	5.1 x 5.1 x 1.9 in (13 x 13 x 4.7 cm)	5/pk	White <input type="checkbox"/>
HS120035	1.5/2.0 mL	81	12.3	5.1 x 5.1 x 1.9 in (13 x 13 x 4.7 cm)	5/pk	Blue <input type="checkbox"/>
HS120036	1.5/2.0 mL	81	12.3	5.1 x 5.1 x 1.9 in (13 x 13 x 4.7 cm)	5/pk	Green <input type="checkbox"/>
HS120037	1.5/2.0 mL	81	12.3	5.1 x 5.1 x 1.9 in (13 x 13 x 4.7 cm)	5/pk	Pink <input type="checkbox"/>
HS120038	1.5/2.0 mL	81	12.3	5.1 x 5.1 x 1.9 in (13 x 13 x 4.7 cm)	5/pk	Yellow <input type="checkbox"/>
HS120039	1.5/2.0 mL	81	12.3	5.1 x 5.1 x 1.9 in (13 x 13 x 4.7 cm)	5/pk	Orange <input type="checkbox"/>
HS120040	1.5/2.0 mL	81	12.3	5.1 x 5.1 x 1.9 in (13 x 13 x 4.7 cm)	5/pk	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> *
HS120041	1.5/2.0 mL	81	12.3	5.1 x 5.1 x 1.9 in (13 x 13 x 4.7 cm)	5/pk	Black <input type="checkbox"/>

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

## Refrigerator Racks

Contoured design for safe handling

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

- Made from 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
HS28230A	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"/>
HS28230B	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
HS4282	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"/>
HS4283P	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"/>



- 2 snap-in grids hold either:**
- 15 mL or
  - 50 mL tubes

## Transformer Cube Rack

For storage of large samples and 15 and 50 mL tubes

- Polypropylene construction complete with two snap-in grids
- Locate tubes easily with keyed lid, imprinted grid and first tube orientation
- Use without grids for larger-sized product storage
- Fill with ice and use as a temporary low-temperature workstation deal for teaching labs or those with limited bench space
- Clear lid, translucent sides
- **Autoclavable**

Part No.	Tubes	Wells	Wells Dia.	L x W x H	Pkg.	Color
HS23271A	15 mL	16	18 mm	4.9 x 4.9 x 5 in	5/pk	Purple <input type="checkbox"/>
	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



### Take what you need and store the rest

Removing and working with samples from cold temperature storage has never been easier. Eliminate the hassle of taking an entire rack of samples out of cold storage with the **TracRack**® that enables lab professionals to remove one row of samples at a time. Eight individual segments are nested in a 2" polypropylene film box that allows users to easily open, identify and remove only the segments of samples needed. Once the segments are removed, simply replace the box lid and leave the remaining samples in storage.

Each tube segment is made from durable polypropylene and allows for easy working while saving valuable counter space.

Two versions are available, **TracRack**® that accommodates 1.5 -2.0 mL cryo and micro-centrifuge tubes, and the reversible **TracRack**® **Micro** which will hold 64 x 0.5 mL micro tubes on one side and 96 x 0.2 mL micro tubes on the other.

- Helps reduce potential cross contamination
- Saves valuable working space and allows more room for sample manipulation
- Stops opened microfuge lids with interfering with other wells
- Alphanumeric well identification
- Tube segments sold with the box

### TracRack®

- Segments made from 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
<b>HS120356</b>	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

#### Take what you need and store the rest

- Segments made from 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
<b>HS120357</b>	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
- Light-tight for light sensitive materials
- 2 in. (5.3 cm) boxes fit in standard freezer racks

SEE PAGE 61  
For standard  
freezer rack  
configurations





### True North® Microscope Slide Box

Store in ultra-low temperatures with confidence

- Protect your slides in ultra-low temperature ranges down to -80°C.
- Durable polycarbonate and stainless steel clasp (only applies to 100-place)
  - Safe storage and transport of 25 x 75 mm (3 x 1 inch) slides
  - Uniform grooved slide slots separate slides preventing slide contact
  - Temperature-resistant numbered foam lining and identification sheet
  - Stackable
  - **Autoclavable**

Part No.	Capacity	Hinge	L x W x H	Color
<b>HS15988H</b>	100 slides	Nickle	208 x 175 x 34 mm	Purple ■
<b>HS120316</b>	25 slides	Friction Fit Lid	141 x 88 x 35 mm	Blue ■



SEE PAGE 63  
Slide box freezer racks

SEE PAGE 45  
For our wide selection of slide boxes and microscopy products

### Cool Containers

#### Durable containers for chilling temperature-sensitive samples

Heavy-insulation properties for the ultra cold. Cool containers are ideal for ice, ice-salt slurries and more.

- Made from single-molded polyurethane
- Close-fit lid keeps evaporation to a minimum and features a comfortable recessed knob
- Lid nests under bucket for convenience
- For low-temperature use to -196°C at 1 bar
- Tapered design for easy stacking
- Precise pour spout and large handles

Part No.	Style	Capacity	L x W x H	Color
<b>HS28714K</b>	Bucket	4 L	181 (H) x 234 (D)	Black Onyx ■
<b>HS28721G</b>	Pan	1 L	267 x 195.5 x 114	Emerald ■
<b>HS28724B</b>	Pan	4 L	381 x 254 x 140	Arctic Blue ■
<b>HS28729R</b>	Pan	9 L	521 x 292 x 163	Ruby ■



Ideal for ice and ice/salt slurries



Lid fits below bucket to save space



## Freezer Thermometer

Protect frozen and chilled samples from potential spoilage

Monitor temperatures inside your freezer or refrigerator with the added convenience of sound and flashing LED lights to alert out-of-range temperatures

- Suction cup attaches the probe inside freezer/refrigerator while the thermometer secures to the outside with hook-and loop tape
- Large digital display shows freezer/refrigerator temperature plus ambient temperature
- Switches toggle for freezer/refrigerator monitoring and °F/°C
- **Set freezer range:** 14.9° to -9.4°F (-9.5° to -23°C);
- **Set refrigerator range:** 35.6° to 46.4°F (2° to 8°C)
- Includes one AAA battery

Part No.	Dimensions
<b>HS28630</b>	136 x 19 x 28 mm, probe cable measures 0.9 m, probe measures 5 mm OD x 17 mm L

## True North® Cryogenic Vials

Innovative design saves space in your freezer

Our externally-threaded vial with a flush cap design allows you to easily fill up all standard-sized cryogenic storage boxes including the 10 x 10 format. Using True North® Cryogenic Vials can increase your freezers holding capacity by up to 23% against other major brands.

- Puncture/rupture-resistance polypropylene with silicone lid
- Patented lid with ergonomic 1.5 twist to open and close
- Printed writing area and graduations
- Sterile, non-pyrogenic and non-cytotoxic inner resealable packs of 50 vials, complete with traceable sterility certificate
- Recommended for mechanical freezers and vapor phase LN<sub>2</sub> (-196°)
- **Disposable**



Certified DNase, RNase, Pyrogen free, and Cytotoxin free

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

\*Assorted colors: Blue, Red, Green, Purple, Gray

## Cryogenic Vial Canes

Organize cryogenic samples in dewars

Aluminum canes hold vials for freezer storage or immersion in LN<sub>2</sub> dewars

- Use in liquid and vapor phase; use approved vials only
- Canes bend to fit all major cryogenic vial brands.

Part No.	Length	No. of Vials	Vial Size	Pkg.
<b>HS23205</b>	290 mm	5	Up to 2.0 mL	12/pkg
<b>HS23206</b>	300 mm	6	Up to 5.0 mL	12/pkg



## PVC Cryogenic Cane Sleeves

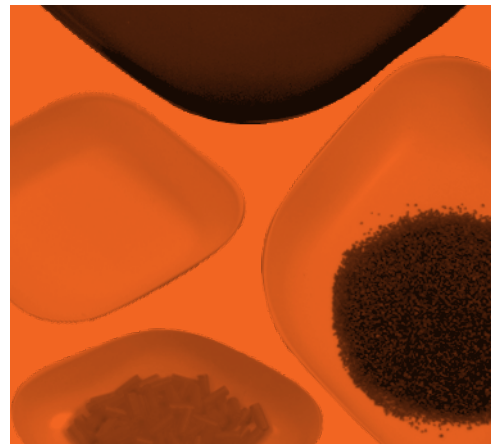
For extra security and sample safety

Clear plastic sleeves protect vials in aluminum canes during handling and storage.

- Safe for cryogenic freezing
- More durable than cardboard sleeves
- Transparency allows sample identification without removing sleeve

Part No.	Dimensions	Pkg.
<b>HS23210</b>	14.5 mm dia x 275 mm long	100/pkg





# weighing

With our offering of disposable and reusable products, you can be sure you will have the right tool for the right job.










## smartBOATS™

Made from FSC® Certified (FSC® Mix) paper (Eco-IN) and when disposed of in the standard waste stream they will naturally biodegrade (Eco-OUT)

A truly green solution to sample weighing.

- Made of grease proof paper that meets FDA 21 CFR 176.170 (components of paper in contact with aqueous and fatty foods) and with 21 CFR 176.180 (contact with dry foods)
- Control contents like a polystyrene weigh boat
- An alternative to regular weighing papers
- Available in a small and medium in both brown for light colored samples and white for dark samples

Part No.	Size	L x W x H	Pkg.	Color
HS120312	Small	35 x 35 x 15.8 mm	500/pk	Brown 
HS120313	Medium	47.6 x 47.6 x 14.2 mm	500/pk	Brown 
HS120314	Small	35 x 35 x 15.8 mm	500/pk	White 
HS120315	Medium	47.6 x 47.6 x 14.2 mm	500/pk	White 
HS120195	Large	95.25 x 95.25 x 25.4 mm	250/pk	White 



## smartSPATULAS™

for the Lab

Size-related designs to fit perfectly with standard 0.2, 0.5, 1.5/2.0, 15 and 50 mL tubes

- Ideal for dispensing or sample collection of powders or soft solids
- Shatter resistant in liquid nitrogen and resistant to dilute acids and bases and can be used with hot liquids
- Anti-static, sterile and eco-friendly versions available
- **Autoclavable and complies with FDA standards for food contact**
- **Disposable**

Lab tools that scoop, scrape and stir



Always there and always clean

Part No.	Description	Use with Tubes	L x W	Spoon (flare)	Scoop or Pick (L x H)	Qty.
HS120005	Micro antistatic	0.2 and 0.5 mL	140 x 3.5 mm	n/a	11 mm L tapered @ 15° (V-Tip)	300/pk
HS120008	Eco	15 and 1.5 mL	140 x 7 mm	25 x 14 mm	30 mm x 3 mm	300/pk
HS120003	Standard Blue	15 and 1.5 mL	210 x 7 mm	25 x 14 mm	30 mm x 3 mm	300/pk
HS120004	Standard Opaque	15 and 1.5 mL	210 x 7 mm	25 x 14 mm	30 mm x 3 mm	300/pk
HS120007	Standard Opaque Sterile	15 and 1.5 mL	210 x 7 mm	25 x 14 mm	30 mm x 3 mm	100/pk
HS120006	Macro Green	50 mL	310 x 10 mm	42 x 23.5 mm	30 mm L tapered @ 35°	150/pk

## Weighing Boats

Flexible polystyrene boats feature smooth surfaces to provide accurate pour-outs with minimal sample loss

- Select white, black, or blue for best color contrast to ensure sample is completely removed.
- Biologically inert and resistant to dilute and weak acids, aqueous solutions, alcohols, and bases
- Temperature range -10 to 70°C (14 to 158°F).
- Can be used with microwave moisture analyzers
- **All are FDA/food-grade compliant**
- **Disposable**

Smooth surfaces provide accurate pour-outs

Standard weighing boats	Regular Material Part No.	Antistatic Material Part No.	Size	L x W x H	Pkg.	Color	
	<b>HS1420A</b>	<b>HS1420AA</b>	Small	46 x 46 x 8 mm	500/pk	White	<input type="checkbox"/>
	<b>HS1420B</b>	<b>HS1420BB</b>	Medium	85 x 85 x 24 mm	500/pk	White	<input type="checkbox"/>
	<b>HS1420C</b>	<b>HS1420CC</b>	Large	140 x 140 x 22 mm	500/pk	White	<input type="checkbox"/>
	<b>HS1421A</b>	<b>HS120222</b>	Small	46 x 46 x 8 mm	500/pk	Blue	<input checked="" type="checkbox"/>
	<b>HS1421B</b>	<b>HS120223</b>	Medium	85 x 85 x 24 mm	500/pk	Blue	<input checked="" type="checkbox"/>
	<b>HS1421C</b>	<b>HS120224</b>	Large	140 x 140 x 22 mm	500/pk	Blue	<input checked="" type="checkbox"/>
	<b>HS1423A</b>	<b>HS1423AA</b>	Small	46 x 46 x 8 mm	500/pk	Black	<input checked="" type="checkbox"/>
	<b>HS1423B</b>	<b>HS1423BB</b>	Medium	85 x 85 x 24 mm	500/pk	Black	<input checked="" type="checkbox"/>
	<b>HS1423C</b>	<b>HS1423CC</b>	Large	140 x 140 x 22 mm	500/pk	Black	<input checked="" type="checkbox"/>

- Boats are shallow with a wide, flat bottom to resist tipping
- Rounded corners simplify transfer

Hexagonal weighing boats	Regular Material Part No.	Antistatic Material Part No.	Size	L x W x H	Pkg.	Color	
	—	<b>HS14251A</b>	Small	38 x 25 x 9 mm	500/pk	White	<input type="checkbox"/>
	—	<b>HS14251B</b>	Medium	64 x 51 x 19 mm	500/pk	White	<input type="checkbox"/>
	—	<b>HS14251C</b>	Large	102 x 76 x 22 mm	500/pk	White	<input type="checkbox"/>
	—	<b>HS14251D</b>	X-Large	127 x 89 x 31 mm	500/pk	White	<input type="checkbox"/>

- Bend flexible boats at points to form pour spouts
- Flat bottoms and sloping sides provide accurate transfer

Pour-boat weighing dishes	Regular Material Part No.	Antistatic Material Part No.	Size	L x W x H	Pkg.	Color	
	<b>HS1419A</b>	<b>HS120225</b>	Small	43 x 58 x 13 mm	500/pk	White	<input type="checkbox"/>
	<b>HS1419B</b>	<b>HS120226</b>	Medium	83 x 132 x 26 mm	500/pk	White	<input type="checkbox"/>
	<b>HS1419C</b>	<b>HS120227</b>	Large	108 x 183 x 26 mm	500/pk	White	<input type="checkbox"/>

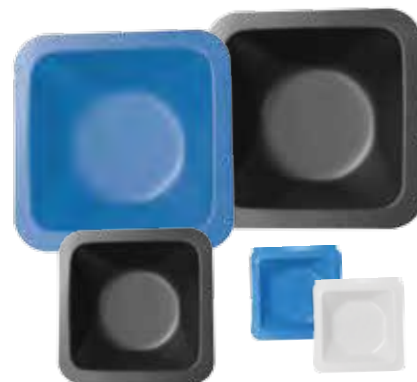
- Pour-spout design easily dispenses samples without flexing the dish.
- Flat-bottom dishes are made from 12-mil thick polystyrene for better strength, stability, and handling

Square weighing boats	Regular Material Part No.	Antistatic Material Part No.	Size	L x W x H	Pkg.	Color	
	<b>HS1422</b>	—	Medium	90 x 90 x 7 mm	500/pk	White	<input type="checkbox"/>

- Shallow boat with a wide, flat bottom to resist tipping
- Ideal for solid product weighing

Diamond weighing boats	Regular Material Part No.	Antistatic Material Part No.	Size	L x W x H	Pkg.	Color	
	<b>HS1424AA</b>	<b>HS1425AA</b>	5 mL	55 x 35 x 6 mm	500/pk	White	<input type="checkbox"/>
	<b>HS1424A</b>	<b>HS1425A</b>	25 mL	71 x 46 x 14 mm	500/pk	White	<input type="checkbox"/>
	<b>HS1424B</b>	<b>HS1425B</b>	30 mL	78 x 56 x 14 mm	500/pk	White	<input type="checkbox"/>
	<b>HS1424C</b>	<b>HS1425C</b>	100 mL	119 x 90 x 19 mm	500/pk	White	<input type="checkbox"/>
	<b>HS1427AA</b>	<b>HS1426AA</b>	5 mL	55 x 35 x 6 mm	500/pk	Black	<input checked="" type="checkbox"/>
	<b>HS1427A</b>	<b>HS1426A</b>	25 mL	71 x 46 x 14 mm	500/pk	Black	<input checked="" type="checkbox"/>
	<b>HS1427B</b>	<b>HS1426B</b>	30 mL	78 x 56 x 14 mm	500/pk	Black	<input checked="" type="checkbox"/>
	<b>HS1427C</b>	<b>HS1426C</b>	100 mL	119 x 90 x 19 mm	500/pk	Black	<input checked="" type="checkbox"/>

- Diamond shape that easily flexes for accurate pouring
- Wide, flat bottom to resist tipping



Flexible boats bend to form pour spout

## Weighing Dishes

Dishes for general-purpose weighing, dispensing, storage, food processing, evaporating, or drying

- Dishes also make good dust covers for open vessels
- **Disposable**

Aluminium weighing dishes	Part No.	Size	Dimensions	Pkg.
	<b>HS14521A</b>	Small	43 Dia x 12 mm H	100/pk
	<b>HS14521B</b>	Medium	57 Dia x 14 mm H	100/pk
	<b>HS14521C</b>	Large	70 Dia x 16 mm H	100/pk
	<b>HS14522</b>	Large	101 Dia x 8 mm H	50/pk

### Weighing Boats

- Sturdy yet lightweight boats feature a smooth, flat bottom for sample handling and a flanged, crimped wall for rigidity
- Finger tab handle can be etched for identification prior to weighing

### Weighing Dish

- Designed for moisture determination balances with slightly tapered walls for stacking



Serrated tips

## Forceps

Corrugated handles and serrated tips

- ABS Plastic
- **Disposable**

Part No.	Length	Tip	Pkg.,	Color
<b>HS15998C</b>	111 mm	Straight	6/pk	Dark Blue ■



## Weighing Papers

Nitrogen-free for a very smooth surface and good sample recovery. Strong enough to support dense material

- Available in 3 sizes
- **Disposable**

Part No.	Dimensions	Qty.
<b>HS120116</b>	3 x 3" (76.2 x 76.2 mm)	500/pk
<b>HS120117</b>	4 x 4" (101.6 x 101.6 mm)	500/pk
<b>HS120118</b>	6 x 6" (152.4 x 152.4 mm)	500/pk

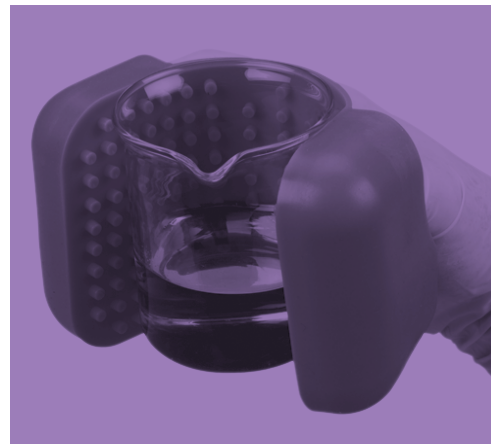


## Spatulas

Transfer, lift, and handle powders and granular materials

- Made from nickel-plated, stainless steel wire
- Glazed spatula **HS15906** has a Hayman-type end
- **Autoclavable**

Part No.	Description, mm	L	Finish
<b>HS15906</b>	Flat End, 30 L; Spoon, 12 L x 4 W	150 mm	Glazed
<b>HS15907</b>	Round Flat End, 50 L x 8 W Tapered Flat End, 45 L x 6.5 W	195 mm	Mirror
<b>HS15909</b>	Flat End, 50 L; Spoon, 38 L x 15 W	225 mm	Mirror



# safety

Protect and comply with our ever expanding range of safety products.

# DURAPORTER®

## Transport Box

Secure, clean, visible

Ideal for transporting biological and clinical samples, as well as instruments and products that you want to keep clean and dry under testing environmental conditions.

The clarity of the Duraporter™ enables the user to visibly check sample integrity, so that it can be opened using the right precautions.

- Polycarbonate construction and available in three colors for user/owner identification
- Silicone water-tight seal and three lid clasps provide secure closure
- Carry handle folds neatly into body space allowing the units to be stacked
- Lid opens a full 180°, allowing total access to contents and making it easier to clean
- Will accommodate 13 and 16 mm tubes in a 72-place **onerack™**, or similar sized/brand of rack (see pages 14, 15, 56, and 57)
- Use the separators provided to create your own compartment sizes, or use empty to transport larger products and equipment
- **Autoclavable**



Part No.	L x W x H	Color	
HS120052	15 x 7.7 x 6.3 in (38 x 19.6 x 16 cm)	Clear with Blue Handles	□
HS120077	15 x 7.7 x 6.3 in (38 x 19.6 x 16 cm)	Red with Red Handles	■
HS120078	15 x 7.7 x 6.3 in (38 x 19.6 x 16 cm)	Yellow with Yellow Handle	■



A silicone water-tight seal and three clasps provide secure closure



Load



Lock



Transport



Store

## Wash Bottles Safety Labeled Self Venting

### Clear and informative product safety information

The information provided on the front of each bottle is specific to the product contained and includes the following — the Chemical Abstract Service (CAS) No., National Fire Protection Association (NFPA) codes and symbols, Protective Equipment Symbol (PES), Target Organ Information and Hazard Codes.

You also have the option of using other liquids within the bottles and creating the appropriate safety information on the outside of the bottle by using the 'self labeling' versions.

The closure and stem are molded in one piece to make them leak-proof. The angled neck and tip provide a uniform stream of liquid and the tip can be cut back if required to increase the flow.

- Wide bottle mouth makes filling easier
- Non-metallic vent that prevents the risk of solvent leakage
- With the exception of the bottle designed for Sodium Hypochlorite, which is a natural LDPE bottle for light protection and has a HDPE closure, the bottles are made from LDPE, with a PP closure
- Six named chemicals, a self labeling\*\* and assorted pack of bottles to choose from
- 500 mL bottle size, supplied in packs of 6

Part No.	Description	Color
HS120250	Acetone	Red <span style="color:red">■</span>
HS120251	Distilled Water	Natural <input type="checkbox"/>
HS120252	Isopropanol	Yellow <span style="color:yellow">■</span>
HS120253	Ethanol	Natural <input type="checkbox"/>
HS120254	Methanol	Green <span style="color:green">■</span>
HS120255	Sodium Hypochlorite	Blue <span style="color:blue">■</span>
HS120256	Self labeling**	Natural <input type="checkbox"/>
HS120257	Assorted*	<span style="color:red">■</span> <span style="color:yellow">■</span> <span style="color:blue">■</span> <input type="checkbox"/> <input type="checkbox"/>

\*Assorted pack includes one of each, acetone, distilled water, isopropanol, ethanol, sodium hypochlorite and a self labeling bottle

\*\*Self labeling bottles must only be used with chemicals that are safe and compatible with LDPE



## Wash Bottles Color-Coded

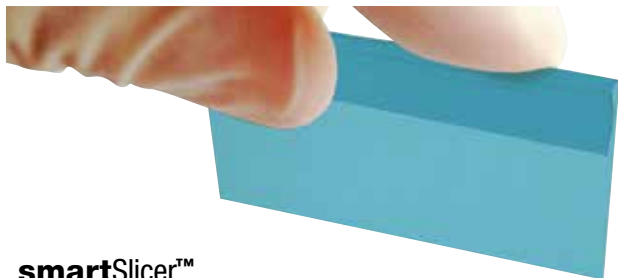
### Color-coded for easy identification

The closure and stem are molded in one piece to make them leak-proof.

The angled neck and tip provide a uniform stream of liquid and the tip can be cut back if required to increase the flow.

- Wide bottle mouth makes filling easier
- Color-coding for user, application or location identification
- Bottle is made from LDPE, with a PP closure
- 500 mL bottle size, supplied in packs of 6

Part No.	Color
HS120245	White <input type="checkbox"/>
HS120246	Red <span style="color:red">■</span>
HS120247	Yellow <span style="color:yellow">■</span>
HS120248	Green <span style="color:green">■</span>
HS120249	Blue <span style="color:blue">■</span>



**smartSlicer™**  
**Laboratory safety razor blade**

Say no to dangerous sharps

- At just 0.22 mm the US Patent Pending product is as thin as a single edge industrial razor blade, but much safer
- Cleanly slice agarose gels right on the light box without scratching the surface
- Ideal for cutting soft tissue and plant matter
- Adjust the size required by simply cutting with scissors
- Available in two sizes and made in the USA from food grade PET

Part No.	Size	Pkg.
<b>HS120259</b>	19 mm H x 38 mm W x 0.22 mm thick	100/pkg
<b>HS120260</b>	25 mm H x 50 mm W x 0.22 mm thick	100/pkg



Innovative 'backrest' allows hands-free pouring



**Eco-smartFunnel™**  
**Paper Funnel**

A clean transfer every time

- supplied flat-pack to minimize storage
- With a minimal amount of finger pressure the funnel takes its working shape
- Fits a wide variety of openings and can be used with virtually any liquid\* or powder
- Maximum flexibility – cut the stem to any size or shape to meet with your needs
- **\*Not recommended for hot liquids**
- **Disposable**

Part No.	Dimensions	Pkg.
<b>HS120219</b>	186 mL Cap, Top Dia. 6 cm <sup>2</sup> , Bottom Dia. 0.64 cm <sup>2</sup> , Height 12.8 cm	25/pkg



**Sharps Containers**  
 Easy to use and transport

- Provides safe disposal of syringes, needles and other small sharps
- Stackable to reduce storage space before use
- 1.0 L capacity (quart) with a clear lid to view fill level
- Slide access lid for temporary and final closures for safety and security
- Built-in needle removal port, prevents direct contact with sharps
- Compatible with the **droplet®** blood collection tray, **totemax™** and blood collection tray

Part No.	L x W x H	Pkg.	Colors
<b>HS120177</b>	4.5 x 4.5 x 7.5 in (11.5 x 11.5 x 19.2 cm)	18/pkg	Red <span style="color: red;">■</span>
<b>HS120178</b>	4.5 x 4.5 x 7.5 in (11.5 x 11.5 x 19.2 cm)	18/pkg	Yellow <span style="color: yellow;">■</span>



**Bottle Carrier**  
 For transport of popular sized bottles

Will securely transport two 'Merck'/Winchester style bottles up to 135 mm tall and 170 mm diameter (typically 2.5 L capacity).

- Made from 304 grade stainless steel, with a wire mesh bottom for increased stability
- Handles fold down for easier storage
- **Autoclavable**

Part No.	Dimensions
<b>HS120092</b>	370 x 180 x 380 (with handles extended)



## Lead Rings

Use rings to stabilize vessels and labware or to immerse in water baths

- Vinyl-coated lead rings will not mark or scratch benchtops and labware
- C-shape format allows some manual size variation for a customized fit

Part No.	Type	Flask Sizes	ID	OD	Weight
<b>HS8882A</b>	O-Shape	125 to 500 mL	48 mm	77 mm	210 g
<b>HS8882B</b>	O-Shape	250 to 1000 mL	51 mm	90 mm	490 g
<b>HS8882C</b>	O-Shape	500 to 2000 mL	57 mm	98 mm	610 g
<b>HS8882D</b>	O-Shape	1000 to 4000 mL	70 mm	115 mm	935 g
<b>HS8881A</b>	C-Shape	125 to 500 mL	42 mm	75 mm	215 g
<b>HS8881B</b>	C-Shape	250 to 1000 mL	51 mm	90 mm	465 g
<b>HS8881C</b>	C-Shape	500 to 2000 mL	54 mm	98 mm	595 g
<b>HS8881D</b>	C-Shape	1000 to 4000 mL	66 mm	113 mm	880 g

\*Weights may vary by +/- 3%

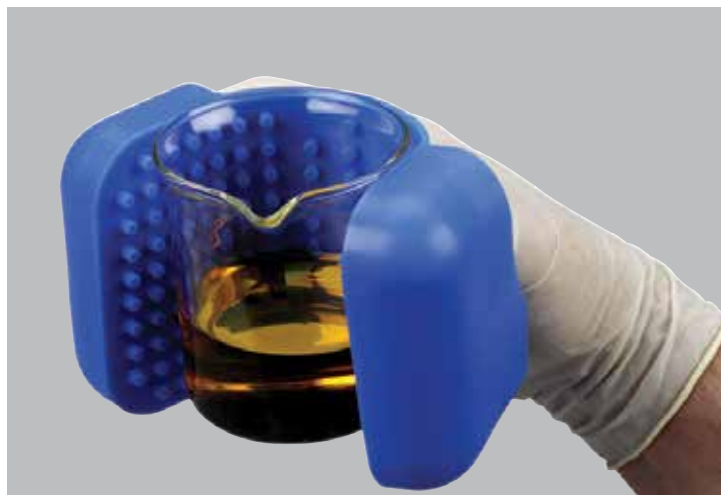


## clearlysafe® Safety Glasses Dispensers

Ergonomically angled for easy dispensing

- Translucent acrylic dispensers provide easy access to safety accessories
- Hinged lid protects glasses from dust and debris
- Set on counter or wall mount (screws included)
- **HS1040A** large dispenser holds approx. 20 glasses
- **HS1041** small dispenser approx. 10 glasses
- Great for holding personal items

Part No.	L x W x D	Color
<b>HS1041</b>	227 x 162 x 156 mm	Blue ■
<b>HS1040A</b>	203 x 203 x 406 mm	Blue ■



## Grabbit Temp Mitts

Protect your hands from hot or cold labware

The silicone rubber mitt is designed to comfortably fit your hand and they have internal ribs in the pockets for added dexterity.

- Oversized surfaces with nubs for secure grip
- Mitts withstand temperatures from -70 to 500°F (-57 to 260°C)
- **Autoclavable**

Part No.	Description	L x W x H
<b>HS1034A</b>	Full-hand mitt	177 x 100 x 32 mm





## Biohazard Disposal Bags

For personal or general lab use, sizes to suit all needs

- A range of biohazard collection bags printed with biohazard warning symbol and precautions in english, spanish, and french
- Includes an indicator patch that darkens when autoclaved
- **Autoclavable to 250°F (121°C)**
- **Disposable**

Part No.	Pkg.	Thickness	W x L
<b>HS10320</b>	500/cs	1.57 mil	203 x 305 mm
<b>HS10321</b>	200/cs	1.57 mil	356 x 483 mm
<b>HS10322</b>	200/cs	1.57 mil	483 x 584 mm
<b>HS10323</b>	200/cs	1.57 mil	635 x 838 mm
<b>HS10044H</b>	1/ea		91 x 128 x 21 mm



HS10044H epoxy coated steel wire holder available for bags HS10320

## Autoclavable Bags

Clear bags imprinted with blue biohazard labeling designed for safe disposal.

- Constructed of 2.0 mm thick polypropylene, allowing for repeated autoclaving
- Strong side seams for securely holding items
- Front write-on panel
- 4 inner packs of 50 bags
- **Autoclavable at 250°F (121°C)**
- **Disposable**

Part No.	W x L	Pkg.
<b>HS1002A</b>	310 x 660 mm	200/cs
<b>HS1002B</b>	415 x 600 mm	200/cs
<b>HS1002C</b>	610 x 810 mm	200/cs



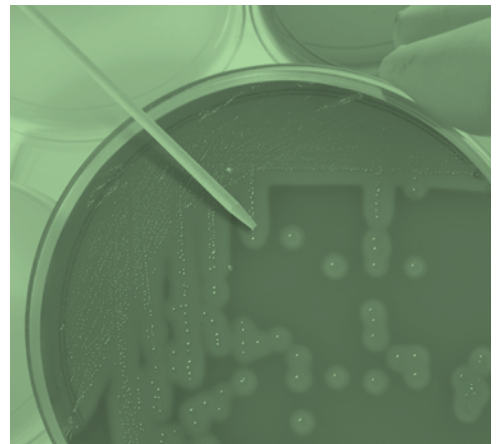
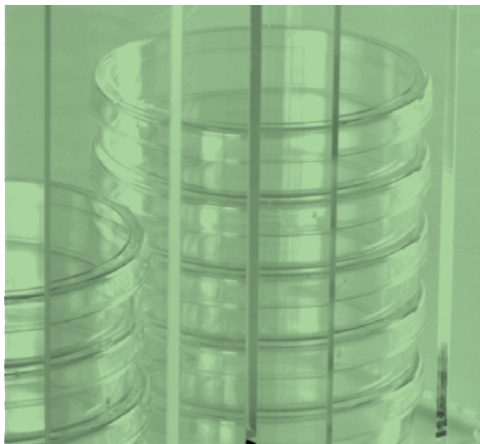
Timing knob ensures safe sealing

## Heat Sealer with Cutter

Quickly and efficiently seal polyethylene or polypropylene bags, sheets or flat tubing from 0.01 to 0.8 mm thick

- Sliding blade removes excess material 19 mm from the seal.
- Timing knob ensures safe sealing. Simply turn knob to set time (1-8 seconds), press handle down and remove when light indicates cycle is complete
- Heating element measures 310 mm long and is only hot when sealing
- Includes replacement part kit: two extra blades, two extra heating elements and two extra PTFE cloths
- Additional replacement part kits can be ordered separately

Part No.	Description	Plug Type	L x W x H
<b>HS28270</b>	220/230 VAC	U.K.	86 x 446 x 166 mm
<b>HS28271</b>	220/230 VAC	Cont. Europe/Israel	86 x 446 x 166 mm
<b>HS28272</b>	110/120 VAC	U.S./Taiwan/Japan	86 x 446 x 166 mm
<b>HS28280</b>	Replacement part kit		



# microbiology

Plating out, colony counting and recovery made easy  
with reliable and innovative products.



# e count™

## Rapid, accurate colony counter

Combines a multi-function electronic counter with a Sharpie® pen for marking to prevent missing or double-counting colonies.

- Patented design featuring a light, ergonomic body that is balanced for easy manipulation
- Select between an audible beep or an led flash to acknowledge count
- Store up to 32 separate counts and display the total of all counts
- Count up/down verification
- Quick and easy to change between different colored markers to check different colony counts in the same view
- Lock counter off to allow use of the marker without registering more counts

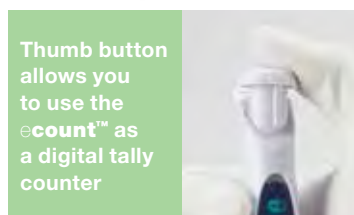
Part No.	Description
HS120000	Electronic colony counter package



### Complete system for easy counting



Weighted stand for bench top use



Thumb button allows you to use the e count™ as a digital tally counter

## Dual-tip and Standard Fine Tip Sharpie® Pens

Bright selection of colors that offer instant visual recognition

Combines a fine tip and an ultrafine tip.



Part No.	Description	Qty.	Color
HS15094	Dual-tip Pen Set	8/pk	● ● ● ● ● ● ● ●*
HS15092ZP	Standard Fine Pens	12/pk	Black ●

\*Assorted colors (Berry, Black, Lime, Navy, Orange, Purple, Sky Blue, and Turquoise)

Sharpie® is a registered trademark of Sanford, A Newell Rubbermaid Company

## Package Includes:

- e count™ colony counter
- Black Sharpie® pen for highly visible marks on both plastic and glass
- Long-life button battery
- Hand tally adapter counts without marking
- Weighted stand for convenient bench top use

## Mini-Light Box and Mini-Magnifier

Perfect accessories for the e count™ or use as stand-alone items

Mini-light box saves bench space and can be stored in a drawer.

### Mini-Light Box

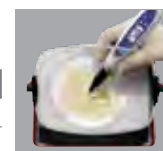
- Viewing area (102 x 127 mm) is perfect for quick screening of 96-well plates, petri dishes, electrophoresis gels, slides, and transparencies
- Powered by four aa batteries (included). Mini magnifier enlarges objects for easier viewing

### Mini-Magnifier

- Swiveling, molded lens. 1.75x magnification
- Enlarges objects for easier viewing



Part No.	Description	L x W x H
HS15093	Mini Light Box, with Batteries	161 x 135 x 44 mm
HS15092D	Mini Magnifier	161 x 135 x 207 mm

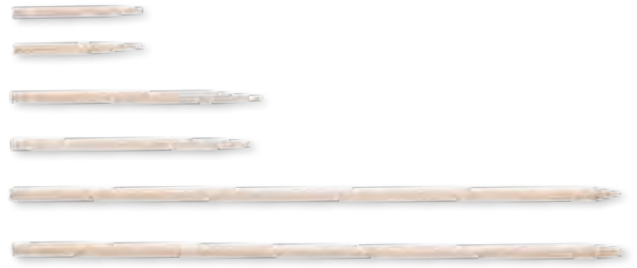


## smartPicks® Inoculation Picks

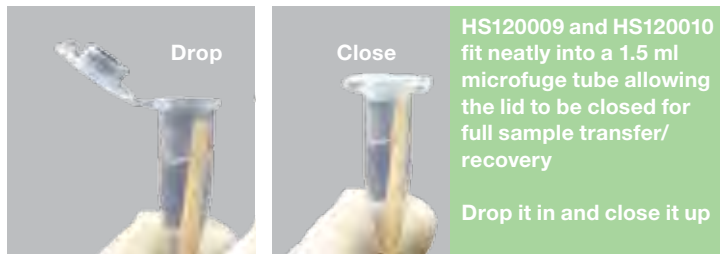
### The 'smart' way to isolate individual colonies

Available in three lengths and two needle sizes to suit a wide range of application needs.

- Naturally biodegradable, made from 100% U.S.A grown white birch wood
- Manufactured in an fda-registered factory and comply with FDA standards for food contact
- Available in semi or needle point styles for delicate operations
- **Autoclavable**
- **Disposable**



Part No.	Description	Qty.
<b>HS120009</b>	Mini, Semi Point, 1.28", Fits 1.5 mL tube (closed)	2000/pk
<b>HS120010</b>	Mini, Needle Point, Fits 1.5 mL tube (closed)	2000/pk
<b>HS120011</b>	Standard, Semi Point, 2.5" Single Tip	1500/pk
<b>HS120012</b>	Standard, Needle Point, 2.5" Single Tip	1500/pk
<b>HS120013</b>	Large, Semi Point, 6" Single Tip	500/pk
<b>HS120014</b>	Large, Needle Point, 6" Single Tip	500/pk



## Inoculating Needle/Loops

### Combination provides choice to spread or pick colonies and cultures

Transfer bacterial cultures without risk of contamination.

- Use loop end to uniformly streak a gel surface
- Use needle end for removal of colonies
- Choose between flexible polypropylene or the more rigid ABS versions
- Disposable, sterile, 20 per zip bag with lot-to-lot traceability
- **Disposable**

Part No.	Description	Material	L x D	Pkg.
<b>HS81121A</b>	1 µL Loop	flexible PP	200 x 4 mm	1000/pk
<b>HS81121B</b>	1 µL Loop	Rigid ABS	200 x 4 mm	1000/pk
<b>HS81121C</b>	10 µL Loop	Flexible PP	200 x 4 mm	1000/pk
<b>HS81121D</b>	10 µL Loop	Rigid ABS	200 x 4 mm	1000/pk



### Petri Dish Dispenser

- Sturdy acrylic holds up to 30 x 100 mm dishes in two easy-access partitions
- Bench top or wall mountable (screws provided)

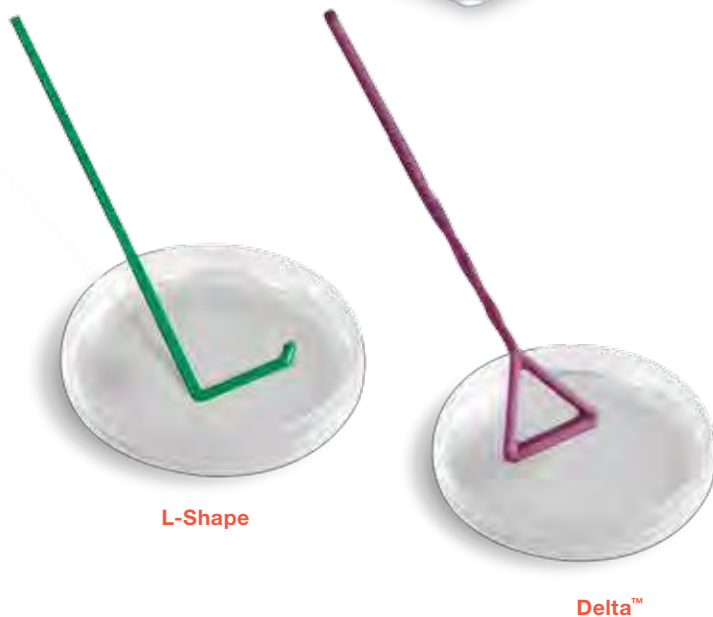
Part No.	L x W x H
<b>HS23452</b>	222 x 107 x 236 mm



### Wire Petri Dish Holder

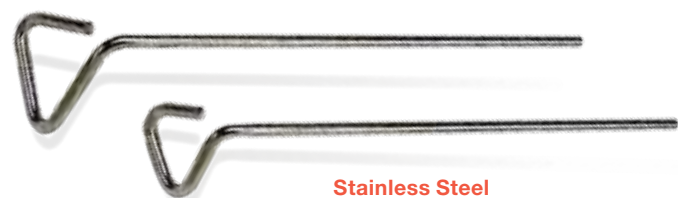
- Holds up to 6 x 100 mm petri dishes
- Epoxy-coated steel wire
- **Autoclavable**

Part No.	L x W x H
<b>HS23455</b>	127 x 86 x 107 mm



L-Shape

Delta™



Stainless Steel

### Cell Spreaders

#### Delta™

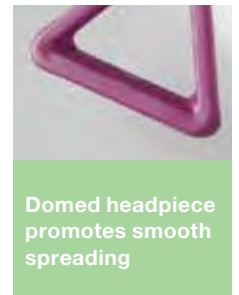
- Flexible rippled handle and domed spreading bar to help reduce agar tears
- Gamma sterilized
- **Disposable**

#### L-Shape

- Lot-to-lot traceability, 10 wrap comes in a zip bag
- **Disposable**

#### Stainless Steel

- Reusable
- **Flame and autoclave sterilizable**



Domed headpiece promotes smooth spreading

Part No.	Description	Sterile	Bar x Dia	Qty.
<b>HS8151</b>	Delta™	Yes, Single Wrap	172 x 37 x 4 mm	500/pk
<b>HS8171A</b>	L-Shape	Yes, Single Wrap	146 x 38 x 4 mm	500/pk
<b>HS8171B</b>	L-Shape	Yes, 10 Wrap	146 x 38 x 4 mm	500/pk
<b>HS86655</b>	Stainless Steel	No	203 x 33 x 4 mm	Each



# storage

Simple and practical solutions reduce bench clutter and keep what you need close at hand.

# droplet™

## Corrugated sample storage tray Disposable sample organization and storage

Corrugated storage trays can be used with the included dividers for specimen containers or remove them for general lab product storage or transport.

- Made from corrugated polypropylene
- Moisture resistant, significantly reducing the chance of mold
- Lightweight and sturdy to hold up to 24 full specimen containers
- Stackable with other trays
- Removable dividers allow outer shell to be used for storage or transport of laboratory products
- Pack includes: 10 trays and 10 dividers
- **Disposable**

Part No.	Wells	Well Dia.	L x W x H	Pkg.	Color
<b>HS120375</b>	24	58 mm	16 x 10.24 x 3.5 in (40.6 x 26 x 8.9 cm)	10/pack	White <input type="checkbox"/>



### Trays are supplied "flat-packed"

reducing the amount  
of space needed for  
storage



Use for  
storage or  
transport of  
laboratory  
products



Removable  
inserts



# droplet™

## Sample storage tray Sample organization for the busy lab

Durable storage trays that can be used for the transportation and storage of general lab products, or with the insert tray provided for specimen containers.

- Large, usable, easy to clean surface area enables products of all shapes and sizes to be contained
- Lightweight and sturdy to hold up to 24 full specimen containers (specimen containers not included).
- Removable insert to allow outer shell to be used for storage or transportation of laboratory products
- Stackable with other trays to support as many as four high
- Integrated label holder with cards to enable easily changed identification
- Able to be cleaned with common disinfectants

Part No.	Wells	Well Dia.	L x W x H	Pkg.	Color
<b>HS120172</b>	24	58 mm	18.9 x 13 x 3.3 in (48 x 33.1 x 8.4 cm)	1/ea	White <input type="checkbox"/>



Use for storage  
or transport  
of laboratory  
products and  
specimen  
containers

# MAGLab Series™

## Create lab storage space—off your bench top

Easily organize common lab products off your bench top with the **MagLab™** storage system. Each rack is made of robust ABS plastic in a bright translucent color and features four powerful magnets for a secure hold onto most metal surfaces, or create your own holding point with the metal plate provided.

- **MagRack™** holds four 50 mL tubes and nine 15 mL tubes
- **MagWipe™** holds a standard (110 x 210 mm) Kimwipes® box
- **MagPette™** holds two pipettors (fits most popular styles)
- **MagBox™** holds miscellaneous accessories
- Use the **MagLab™** self-adhesive mounting plates for use on non-metallic surfaces
- The **MagLab™** Series is available individually or as a pack of four

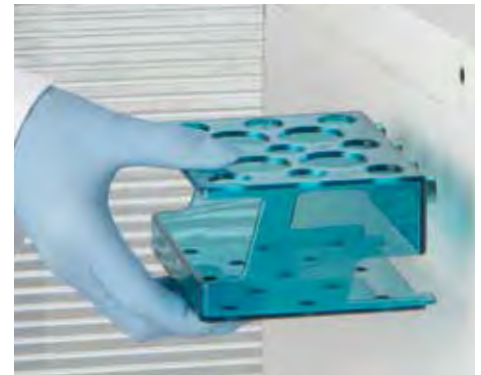


Includes self-adhesive metal plates that adhere to any surface

Part No.	Description	L x W x H		Color
<b>HS23500</b>	<b>MagLab series, 4/pk</b>	—	—	■ ■ ■ ■ *
<b>HS23501</b>	<b>MagRack</b>	5.1 x 4.4 x 2.5 in	13.1 x 11.2 x 6.4 mm	Teal ■
<b>HS23502</b>	<b>MagWipe</b>	5.1 x 3.5 x 3.8 in	13.0 x 9.1 x 9.8 mm	Green ■
<b>HS23503</b>	<b>MagPette</b>	5.1 x 4.4 x 2.9 in	13.1 x 11.2 x 7.6 mm	Purple ■
<b>HS23504</b>	<b>MagBox</b>	5.1 x 3 x 4 in	13.0 x 7.8 x 10.2 mm	Orange ■

\*Assorted colors: Teal, Green, Purple and Orange

Kimwipes® is a registered trademark of Kimberly-Clark Corp.



## clearly safe® Workstation Storage Bin

### The essential combination accessory holder

- Organize your most commonly used laboratory disposables in one central location
- Acrylic unit has room to store gloves, Kimwipes®, and Parafilm®
- Use bins to store tubes, tips, etc.

Part No.	L x W x H
<b>HS234523</b>	265 x 137 x 440 mm



Parafilm® is a registered trademark of Bemis Inc.







## Benchtop Dispensing Bins

Work great with gloved hands, bright colors

Ergonomically designed with large, angled openings and oversized lip.

- Lid remains open when tilted back
- Nonskid rubber feet and pre-drilled holes for wall mounting
- Green bin includes a removable divider
- Mounting screws included

Part No.	Compartments	W x H x D	Colors
<b>HS23411</b>	Dual	180 x 155 x 165 mm	Neon Green 
<b>HS23412</b>	Single	155 x 155 x 170 mm	Neon Blue 



SEE PAGE 36  
for our selection of  
Pearl™ pipettes

## Pipette Workstation

Organize your pipette and tips

Keep pipette and disposable tips together in one convenient stand.

- Acrylic rack holds up to four pipettors on top shelf
- Dual bins house two different sizes of tips. Self-closing lids provide dust-free storage
- Oversized lip on lid allows for easy access even when wearing gloves

Part No.	L x W x H
<b>HS234631</b>	244 x 165 x 246 mm



## Drawer Organizer

Keeps supplies organized and easily accessible

Polystyrene organizer is perfect for storing and organizing small laboratory supplies.

- Protect small and fragile items
- Fit in most standard drawers or store on benches and shelves

Part No.	Description	Overall L x W x H
	3-Compartment Tray:	
<b>HS2538A</b>	2 compartments measure 430 x 80 mm	460 x 307 x 63 mm
	1 compartment measures 430 x 110 mm	



## Workstation Dispensing Bins

Crystal-clear bins let you see your small items inventory

- See inventory levels of pipette tips, tubes, fittings, finger cots, and other bulk small items at a glance.
- Flip-top covers on generous openings make filling and dispensing easy and keep products dust-free
- 4 sizes available to cater to a wide variety of storage needs
- Includes non-skid rubber feet

Part No.	No. Bins	L x W x D
<b>HS23401</b>	One	180 x 175 x 235 mm
<b>HS23402</b>	Two	139 x 160 x 368 mm
<b>HS23403</b>	Three	210 x 155 x 212 mm
<b>HS23404</b>	Four	278 x 158 x 217 mm



## Glove Box Holders

Keep gloves organized and ready for immediate use

- Free up bench top space by mounting holders on wall for easy dispensing of gloves
- Universal fit for most major brands of glove boxes
- Mounting screws included

clear acrylic glove box holders	Part No.	Description	Material	W x H x D
	<b>HS23471A</b>	1-box holder	Acrylic	141 x 260 x 110 mm
	<b>HS23471B</b>	2-box holder	Acrylic	295 x 260 x 110 mm
	<b>HS23471C</b>	3-box holder	Acrylic	295 x 385 x 110 mm

- Includes a polyester foam insert to securely hold a range of glove box sizes—snug fit ensures easy removal of gloves from the box

wire glove box holders	Part No.	Description	Material	W x H x D
	<b>HS23457</b>	1-box holder	Wire	140 x 209 x 108 mm
	<b>HS23458</b>	3-box holder	Wire	250 x 454 x 108 mm

- Epoxy-coated steel wire racks are an economical solution



## Modular Glove Box Holders

Available infused with Microban® for anti-microbial protection

The anti-microbial version (blue) is ideal for use in clean rooms, hospitals, and microbiological work areas. The Microban additive prevents growth of molds and bacteria.

- High-impact, durable resin is resistant to harsh cleaning solutions
- Modular design allows single boxes or horizontal stacking for multiple box holder
- Universal fit for most major brands of glove boxes
- Mounting screws included

Part No.	Description	L x W x H	Pkg.	Color
<b>HS120258</b>	Modular glove box holder	254 x 156 x 97 mm	3/pk	White <input type="checkbox"/>
<b>HS23491A</b>	Modular glove box holder, anti-microbial	254 x 156 x 97 mm	3/pk	Blue <input checked="" type="checkbox"/>



Microban® antimicrobial protection has been built-in to our anti-microbial glove boxes during manufacturing. When microbes, such as bacteria, mold, and mildew that can cause stains, odors and product deterioration come in contact with the glove box surface, Microban protection penetrates the cell wall of the microbe and disrupts key cell functions so that the microbe cannot function, grow, or reproduce. Microban protection is an intrinsic part inside and at the surface and will not wash off or wear away for the useful lifetime of the glove box.





Store different size boxes ... all in one holder

### Wall Holder 4 Position Adjustable Ideal for gloves, face masks, shoe covers...

The adjustable holding points provide true flexibility to hold up to four different boxed protective products and other lab essentials (size dependent).

- Ideal for holding different boxed sizes of gloves, mop caps, ear plugs, face masks, shoe covers
- Adjustable universal fit, easy to clean, with a low profile
- Wall- or door-mountable, mounting hardware included

Part No.	Description	L x W x D
<b>HS120107</b>	Adjustable Wall Holder	762 x 152 x 76 mm



### Lab Wipe Holders Holds Kimwipes® and other major brands

Clear acrylic holders fit boxes of small or large lab wipes.

- Mount on a shelf or wall
- The smaller version attaches with double-sided adhesive tape and the larger version with screws
- Mounting materials included

Part No.	Description	L x W x D
<b>HS234521</b>	Small Holder	118 x 122 x 84 mm
<b>HS234522</b>	Large Holder	320 x 127 x 97 mm



### Storage Racks for 80-well Racks Strong, clear acrylic construction

These racks help you keep large numbers of microtubes organized on your benchtop.

- Holds up to eight 80-well microtube racks filled with either 1.5 or 2.0 mL microtubes - see page 20
- Plenty of room to slide the racks in and out

Part No.	Description	L x W x D
<b>HS23263A</b>	Vertical Rack	157 x 236 x 234 mm
<b>HS23263B</b>	Horizontal Rack	310 x 236 x 122 mm



SEE PAGE 20  
for 80 well tube  
rack selection



# clearly safe®

## Soft Cover Dispenser

Store and dispense with ease

Translucent acrylic dispensers provide easy access to safety accessories.

- Hinged lid protects contents from dust and debris
- Set on counter or wall mount (screws included)
- Great for holding other personal items

Part No.	L x W x D	Color
<b>HS1040C</b>	227 x 162 x 156 mm	Natural <input type="checkbox"/>



## Earplug Dispenser

Translucent acrylic dispensers provide easy access to safety accessories

- Holds approximately 200 pairs of foam earplugs
- Set on counter or wall mount (screws included)

Part No.	L x W x D	Color
<b>HS1040B</b>	227 x 162 x 156 mm	Green <input type="checkbox"/>



## Three-in-One Dispenser

Three separate lift-up lids make loading and dispensing supplies easy

Three-compartment dispenser can be used to organize safety glasses, earplugs, soft covers (including bouffant caps, beard covers, shoe covers) or any small items that need to be kept within reach.

The unit includes screws for wall mounting or can be set on a counter.

- Middle compartment has reach-in hole for dispensing
- Durable acrylic is see-through so product levels are always visible

Part No.	L x W x D	Color
<b>HS1042</b>	406 x 406 x 203 mm	Grey <input type="checkbox"/>



## Safety Glasses Dispensers

Ergonomically angled for easy dispensing

Translucent acrylic dispensers provide easy access to safety accessories.

- Hinged lid protects glasses from dust and debris
- Set on counter or wall mount (screws included)
- Large dispenser holds approx. 20 glasses, small approx. 10 glasses
- Great for holding other personal items

Part No.	L x W x D	Color
<b>HS1041</b>	227 x 162 x 156 mm	Blue <input type="checkbox"/>
<b>HS1040A</b>	203 x 203 x 406 mm	Blue <input type="checkbox"/>



## Storage Rack for Microscope Slide Boxes

Create a file system for 50- and 100-place slide boxes (Storage rack makes organization of samples easy).

- Clear acrylic construction allows the labels to be seen on the slide boxes
- Place boxes in rows or columns by color to create an easy coding system

Part No.	Bins	L x W x H
<b>HS159890B</b>	15 bins	711 x 171 x 228





Constructed of high-impact polypropylene

## Tubby® Container

### Sturdy storage tub with lid and divider

Our handy Tubby® stackable storage container is designed to help organize a laboratory. The removable dividers can create as big or as small a compartment as needed. Perfect for keeping tubes, tips, pipettes, gloves, and other small items organized and out of the way. The lid snaps in place to secure the contents and for safe transport.

Part No.	Qty.	L x W x D
<b>HS23453</b>	Pk/5	330 x 200 x 115 mm

## Wire Drying Rack

### Saves glassware from chips and cracks

Drain and dry test tubes, beakers, flasks, and other labware.

- Place self-standing rack on a table or near a sink, or use hooks to hang rack on the wall
- Holds up to 90 pieces of labware on 18 x 127 mm pins and 72 x 76 mm pins
- Constructed of spot-welded, vinyl-coated steel wire for durability
- Easily accessible and removable bottom drainage pan

Part No.	L x W x H
<b>HS23243A</b>	462 x 182 x 525 mm



Removable pan helps remove excess water



## Test Tube Baskets

### Ideal for washing and storing test tubes

Strong baskets for use with mechanical washers and autoclaves.

- Baskets for use in washers, autoclaves or for storage of lab consumables
- Available in either epoxy-coated steel or lighter weight aluminum style
- **Autoclavable**

	Part No.	Material	L x W x H
<b>a</b>	<b>HS20341A</b>	Aluminum	152 x 152 x 152 mm
<b>b</b>	<b>HS20341C</b>	Aluminum	332 x 228 x 178 mm
<b>c</b>	<b>HS120082</b>	Epoxy-coated steel	125 x 125 x 125 mm
<b>d</b>	<b>HS120083</b>	Epoxy-coated steel	150 x 150 x 150 mm
<b>e</b>	<b>HS120084</b>	Epoxy-coated steel	332 x 228 x 178 mm





# sealing and labeling




Sample protection and identification for a wide range of tubes and vials.

## ABS dispenser for Parafilm® Sealing Film

Unique design for maximum safety

Store, dispense, and cut Parafilm®, tape, labels, and Tough-Tags®

- ABS plastic dispenser designed with a safety razor that slides and cuts with no danger to fingers. supplied with two easily exchanged cutting blades
- Dispenser holds one or two 50 mm (2-inch) rolls, or one 100 mm (4-inch) roll

Part No.	W x H x D	Color
<b>HS234525B</b>	120 x 156 x 171 mm	Blue 
<b>HS234525C</b>	120 x 156 x 171 mm	Green 
<b>HS234525D</b>	120 x 156 x 171 mm	Red 
<b>HS234525R</b>	Replacement blades for ABS dispenser, pack of 5	



## Acrylic Dispenser for Parafilm® Sealing Film

Heavy-duty construction for increased durability

Store, dispense, and cut Parafilm®, tape, labels, and Tough-Tags®.

- Strong, crystal-clear acrylic dispenser makes your film supply visible and features a serrated cutting blade
- Dispenser holds one or two 50 mm (2-inch) rolls, or one 100 mm (4-inch) roll

Part No.	W x H x D
<b>HS234524</b>	119 x 168 x 175 mm



## Parafilm® Sealing Film

Colorless, moisture-proof film molds to surface

Parafilm® M is a semi-transparent, flexible, thermoplastic film with two-way stretch.

- Non-toxic and free from plasticizers, primarily composed of polyolefins and paraffin waxes offering good resistance against acids, alkalis and some organic solvents—use not recommended with acetone, diethyl ether or tetrachloride
- Will stretch 200% and adhere to irregular shapes and surfaces to provide a secure seal
- **Disposable**

Part No.	Film Width	Roll Length	W x H x D
<b>HS234526A</b>	50 mm (2-inch)	75 m	135 x 58 x 132 mm
<b>HS234526B</b>	100 mm (4-inch)	38 m	132 x 135 x 112 mm
<b>HS234526C</b>	100 mm (4-inch)	75 m	135 x 107 x 132 mm
<b>HS120265</b>	508 mm (20-inch)	16 m	508 x 64.77 x 64.77 mm

## Cryo-Babies® and CryoTags® Low Temperature Labels

### For secure uncompromised labeling

- Temperature resistance -196°C to 150°C
- Liquid and vapor phase LN<sub>2</sub>, water baths to 100°C and autoclaving and moderate ovens to 150°C
- Chemically inert resistant to most solvents and caustic agents.
- Adheres to most plastics (100% virgin PP tubes recommended), glass and metals without cracking, peeling, or degrading
- Label sheets will not jam printers.
- Flexible polyolefin material and acrylic adhesive
- Unique combo expands and contracts together with temperature fluctuations
- **Autoclavable**
- **Disposable**



### Cryo-Babies® and CryoTags® on a roll of 1000

Code	Color	Label Size	Ideal Use
<b>HEACRY-0500</b>	White	0.94 in x 0.5 in (24 x 13 mm)	0.5 mL tubes
<b>HEACRY-1000</b>	White	1.28 in x 0.5 in (33 x 13 mm)	1.5 mL tubes
<b>HEACRY-1000(x)</b>	Specify	1.28 in x 0.5 in (33 x 13 mm)	1.5 mL tubes
<b>HEACRY-2000</b>	White	1.50 in x 0.75 in (38 x 19 mm)	General
<b>HEACRY-2000(x)</b>	Specify	1.50 in x 0.75 in (38 x 19 mm)	General

*Cryo-Babies®, CryoTags®, Tough-Spots®, Tough-Tags®, PetriSEAL™, ContainerSEAL™ and DuraSEAL™ are registered trademarks of Diversified Biotech*



**SEE PAGE 9**  
for our selection of microtubes and cryo vials

### Laser Cryo-Babies® and CryoTags® on sheets (20 sheets per Pack)

Code	Color	Label Size	Sheet Layout	Labels/Sheet	Ideal Use	No. Labels
<b>HEALCRY-2380(x)</b>	Specify	0.94 in x 0.5 in (24 x 13 mm)	7 Across/17 Down	119	0.5 mL Tubes	2,380
<b>HEARNBW-2300</b>	Rainbow*	0.94 in x 0.5 in (24 x 13 mm)	7 Across/17 Down	119	0.5 mL Tubes	2,380
<b>HEALCRY-1700(x)</b>	Specify	1.28 in x 0.5 in (33 x 13 mm)	5 Across/17 Down	85	1.5 mL Tubes	1,700
<b>HEARNBW-2200</b>	Rainbow*	1.28 in x 0.5 in (33 x 13 mm)	5 Across/17 Down	85	1.5 mL Tubes	1,700
<b>HEAMINI-1700</b>	White	1.28 in x 0.5 in (33 x 13 mm)	3 Across/17 Down	51	1.5 mL Tubes	1,020
<b>HEALCRY-1200(x)</b>	Specify	1.50 in x 0.75 in (38 x 19 mm)	5 Across/12 Down	60	General	1,200
<b>HEARNBW-2100</b>	Rainbow*	1.50 in x 0.75 in (38 x 19 mm)	5 Across/12 Down	60	General	1,200
<b>HEALCRY-1100(x)</b>	Specify	1.69 in x 0.75 in (43 x 19 mm)	4 Across/13 Down	52	Cryogenic Vials	1,040
<b>HEARNBW-2000</b>	Rainbow*	1.69 in x 0.75 in (43 x 19 mm)	4 Across/13 Down	52	Cryogenic Vials	1,040
<b>HEASIDE-1000(x)</b>	Specify	1.50 in x 0.25 in (38 x 6 mm)	4 Across/39 Down	156	Microplates	3,120
<b>HEARNBW-2400</b>	Rainbow*	1.50 in x 0.25 in (38 x 6 mm)	4 Across/39 Down	156	Microplates	3,120
<b>HEALCRY-1258(x)</b>	Specify	2.625 in x 1.0 in (67 x 25 mm)	3 Across/10 Down	30	Racks & Boxes	600
<b>HEARNBW-2500</b>	Rainbow*	2.625 in x 1.0 in (67 x 25 mm)	3 Across/10 Down	30	Racks & Boxes	600

To **Specify** color, substitute (x) with a letter - B=Blue, G=Green, O=Orange, R=Red, Y=Yellow \*Rainbow packs contain 4 sheets of each Blue, Green, Orange, Red, Yellow



## Tough-Spots® Tube Labels

### Pre-cut peel off labels for tube tops

- Resistant to most solvents and caustic agents. Adhere to most plastics, glass, and metals without cracking, peeling or degrading
- Label sheets will not jam printers
- Flexible polyolefin material and acrylic adhesive

### Tough-Spots® on a Roll

Part No.	Color	Label Size	Ideal Use	Labels/Roll
<b>HEATS-TNY</b>	White	3/16 in (4.8 mm)	0.2 mL tubes	1500
<b>HEAT-SPOTS</b>	White	3/8 in (9.5 mm)	0.5 mL tubes	1000
<b>HEAT-SPOTS-(x)</b>	Specify	3/8 in (9.5 mm)	0.5 mL tubes	1000
<b>HEAT-SPOTS-50</b>	White	1/2 in (13 mm)	1.5/2.0 mL tubes	1000
<b>HEAT-SPOTS-50(x)</b>	Specify	1/2 in (13 mm)	1.5/2.0 mL tubes	1000
<b>HEAT-SPOTS-44</b>	White	7/16 in (11 mm)	1.5/2.0 mL tubes	1000
<b>HEAT-SPOTS-75</b>	White	3/4 in (19 mm)	15–50 mL tubes	500
<b>HEAT-SPOTS-100</b>	White	1.0 in (25 mm)	50 mL tubes	500

To **Specify** color, substitute (x) with a letter: B=Blue, C=Coffee, D=Gold G=Green, L=Lavender, M=Maroon, O=Orange, P=Pink, R=Red, S=Silver, Y=Yellow



### Laser Tough-Spots® on sheets. 20 sheets per pack

Part No.	Color	Label Size	Sheet Layout	Labels/Sheet	Ideal Use	No. Labels
<b>HEASPOT-1(x)00</b>	Specify	3/8 in (9.5 mm)	12 across/16 down	192	0.5 mL tubes	3,840
<b>HEARNBW-1000</b>	Rainbow*	3/8 in (9.5 mm)	12 across/16 down	192	0.5 mL tubes	3,840
<b>HEASPOT-2(x)00</b>	Specify	1/2 in (13 mm)	12 across/16 down	192	1.5–2.0 mL tubes	3,840
<b>HEARNBW-1100</b>	Rainbow*	1/2 in (13 mm)	12 across/16 down	192	1.5–2.0 mL tubes	3,840
<b>HEASPOT-5000</b>	White	7/16 in (11 mm)	13 across/18 down	234	1.5–2.0 mL tubes	4,680
<b>HEASPOT-3000</b>	White	3/4 in (19 mm)	9 across/12 down	108	15–50 mL tubes	2,160
<b>HEASPOT-4000</b>	White	1.0 in (25 mm)	7 across/8 down	63	50 mL tubes	1,260

To **Specify** color, substitute (x) with a number: 0=White, 1=Blue, 2=Green, 3=Orange, 4=Red, 5=Yellow; \*Rainbow packs contain 4 sheets of each

### Tough-Tags® on a Roll of 1000

Part No.	Color	Label Size	Ideal Use
<b>HEATT-TNY</b>	White	0.81 in x 0.28 in (21 x 7 mm)	0.2 mL tubes
<b>HEATTSW-1000</b>	White	0.94 in x 0.5 in (24 x 13 mm)	0.5 mL tubes
<b>HEATTS(x)-1000</b>	Specify	0.94 in x 0.5 in (24 x 13 mm)	0.5 mL tubes
<b>HEATTLW-1000</b>	White	1.28 in x 0.5 in (33 x 13 mm)	1.5/2.0 mL tubes
<b>HEATTL(x)-1000</b>	Specify	1.28 in x 0.5 in (33 x 13 mm)	1.5/2.0 mL tubes
<b>HEATTGP-1000</b>	White	1.50 in x 0.75 in (38 x 19 mm)	General
<b>HEATT-SWALL</b>	White	1.50 in x 0.25 in (38 x 6 mm)	Microplates

To **Specify** color, substitute (x) with a letter: B=Blue, G=Green, O=Orange, R=Red, Y=Yellow



### Laser Tough-Tags® on sheets — 25 sheets per pack

Part No.	Color	Label Size	Sheet Layout	Labels/Sheet	Ideal Use	No. Labels
<b>HEATTSW-2240</b>	White	0.94 in x 0.5 in (24 x 13 mm)	7 across/17 down	119	0.5 mL tubes	2,975
<b>HEATTSW-2240(x)</b>	Specify	0.94 in x 0.5 in (24 x 13 mm)	7 across/17 down	119	0.5 mL tubes	2,975
<b>HEARNBW-3100</b>	Rainbow*	0.94 in x 0.5 in (24 x 13 mm)	7 across/17 down	119	0.5 mL tubes	2,975
<b>HEATTLW-2016</b>	White	1.28 in x 0.5 in (33 x 13 mm)	5 across/17 down	85	1.5/2.0 mL tubes	2,125
<b>HEATTLW-2016(x)</b>	Specify	1.28 in x 0.5 in (33 x 13 mm)	5 across/17 down	85	1.5/2.0 mL tubes	2,125
<b>HEARNBW-3000</b>	Rainbow*	1.28 in x 0.5 in (33 x 13 mm)	5 across/17 down	85	1.5/2.0 mL tubes	2,125
<b>HEATTGP-1050</b>	White	1.50 in x 0.75 in (38 x 19 mm)	5 across/12 down	60	General	1,500
<b>HEATTGP-1050(x)</b>	Specify	1.50 in x 0.75 in (38 x 19 mm)	5 across/12 down	60	General	1,500
<b>HEARNBW-3200</b>	Rainbow*	1.50 in x 0.75 in (38 x 19 mm)	5 across/12 down	60	General	1,500
<b>HEAMISL-1000</b>	White	0.875 in x 0.875 in (22 x 22 mm)	8 across/12 down	96	Microscope Slides	2,400
<b>HEAMISL-1000(x)</b>	Specify	0.875 in x 0.875 in (22 x 22 mm)	8 across/12 down	96	Microscope Slides	2,400
<b>HEARNBW-3300</b>	Rainbow*	0.875 in x 0.875 in (22 x 22 mm)	8 across/12 down	96	Microscope Slides	2,400

To **Specify** color, substitute (x) with a letter: B=Blue, G=Green, O=Orange, R=Red, Y=Yellow; \*Rainbow packs contain 5 sheets of each

## Label Station

### Organize your labels for easy accessibility

Portable label station holds up to six standard size boxes of Tough-Tags®, Cryo-Babies®, and Tough-Spots®.

Just drop the box in the label station and feed the paper through the slot. Labels shown not included, order separately.

- Acrylic station includes a writing surface, a cutting edge for easy dispensing, and non-skid rubber feet
- Counter-sunk holes provided for wall mounting
- Translucent blue

Part No.	Description	Color	W x H x D
HS23460	Label Station	Blue	280 x 120 x 89 mm



## Dual-tip and Standard Fine Tip Sharpie® Pens

### Bright selection of colors that offer instant visual recognition

Combines a fine tip at and an ultrafine tip.

Part No.	Description	Qty.	Color
HS15094	Dual-tip pen set	8/pk	■ ■ ■ ■ ■ ■ *
HS15092ZP	Standard Fine Pens	12/pk	Black ■

\*Assorted colors (berry, black, lime, navy, orange, purple, sky blue, and turquoise)



Sharpie® is a registered trademark of Sanford, A Newell Rubbemaidd Company

## DuraSEAL™

### Durable heat-resistant, solvent-proof Laboratory stretch film

- Heat-resistant and microwave compatible for temperatures up to 100°C (boiling water)
- Highly resistant to solvents and caustic agents
- Film can stretch 500–800% before breaking or tearing
- Forms an airtight barrier and is twice as long as some other brands
- **Disposable**

Part No.	Size	Ideal Use
HEADS1-150	25 mm x 46 m/1.0 in x 150 ft	Tubes/Vials
HEADS2-500	50 mm x 152 m/2.0 in x 500 ft	Beakers
HEADS4-250	100 mm x 76 m/4.0 in x 250 ft	Jars/Bottles
HEADS4-500	100 mm x 152 m/4.0 in x 500 ft	Jars/Bottles
HEADS5-150	127 mm x 46 m/5.0 in x 46 ft	Large Containers



Stretches 500–800%

## PetriSEAL™ and ContainerSEAL™

### Sealing tape for petri dishes, microplates, lids and caps

- Seal remains flexible even with intermittent exposure to 100°C
- Tape stretches, conforms and seals to irregular perimeters
- Waterproof and chemically resistant to most solvent and caustic agents
- **Disposable**

Part No.	Size	Description
<b>HEAPSEAL-108B</b>	0.5 in x 108 ft (13 mm x 33 m)	PetriSEAL blue
<b>HEAPSEAL-108C</b>	0.5 in x 108 ft (13 mm x 33 m)	PetriSEAL clear
<b>HEAPSEAL-108R</b>	0.5 in x 108 ft (13 mm x 33 m)	PetriSEAL red
<b>HEAPSEAL-108Y</b>	0.5 in x 108 ft (13 mm x 33 m)	PetriSEAL yellow
<b>HEAPSEAL-108W</b>	0.5 in x 108 ft (13 mm x 33 m)	PetriSEAL white
<b>HEACSEAL-75R</b>	0.75 in x 108 ft (8.5 mm x 33 m)	ContainerSEAL red
<b>HEACSEAL-75W</b>	0.75 in x 108 ft (8.5 mm x 33 m)	ContainerSEAL white
<b>HEACSEAL-75Y</b>	0.75 in x 108 ft (8.5 mm x 33 m)	ContainerSEAL yellow
<b>HEACSEAL-XLR</b>	1.0 in x 108 ft (25 mm x 33 m)	ContainerSEAL red xl
<b>HEACSEAL-XLW</b>	1.0 in x 108 ft (25 mm x 33 m)	ContainerSEAL white xl
<b>HEACSEAL-XLY</b>	1.0 in x 108 ft (25 mm x 33 m)	ContainerSEAL yellow xl



### Unique safety lid



## Mini Bin Foil Dispenser

### Safely cut foil to any size

The mini bin foil dispenser is a great alternative to wasteful giant-sized foil rolls and expensive precut foil squares.

- Compact to fit in limited work space areas and easy to transport
- Safe to use—load the foil roll, press the cover to activate the safety guard
- Foam strip prevents foil retracting back into unit
- For use with 102 mm or 153 mm (4 or 6 inch) length foil rolls (sold separately)
- Made of ABS

Part No.	W x H x D
<b>HS23520A</b>	190 x 100 x 112 mm

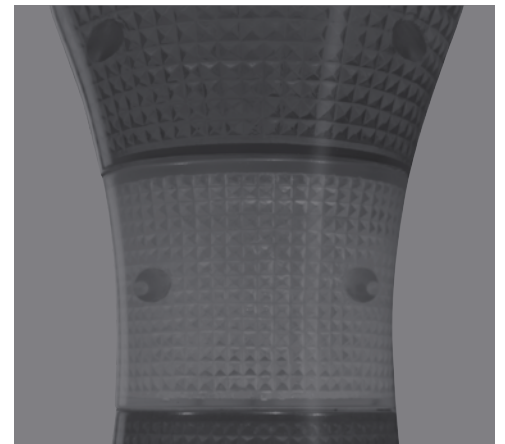
## Foil Rolls

### Designed for easy use and minimal waste

- Custom-sized pieces of foil can easily be created for covering small surfaces such as beakers, flasks, tubes and Petri dishes.
- Ideal for autoclaving, freezing, incubating, protecting labware, lining, sealing, and general storage
- Two sizes available. designed to fit the mini bin foil dispenser
- **Disposable**

Part No.	Description	Roll Length
<b>HS23534A</b>	4 in (102 mm) length foil roll	152.4 m
<b>HS23536A</b>	6 in (153 mm) length foil roll	152.4 m





# timers and notebooks

Track tasks and record your results with our wide selection of timers and notebooks.

## Laboratory notebooks

For recording research data, experimental procedures, and design ideas, use these notebooks to keep information safe and well organized

- Numbered, acid-free, pages include spaces for title, project number, book number, date, and witness signature
- Lined notebooks feature college-ruled pages for easy report writing
- Covers for all versions are waterproof and chemical-resistant
- All notebooks contain periodic and conversion tables in the back

Part No.	Pages	Page Format	L x W	Qty.	Color
<b>HS8610A</b>	100	Grid	218 x 281 mm	12/cs	Black ■
<b>HS8610B</b>	200	Grid	218 x 281 mm	12/cs	Blue ■
<b>HS8610D</b>	200	Lined	218 x 281 mm	12/cs	Red ■



## Time Tracker®

Makes it easy to monitor your process from a distance

Designed like a traffic signal so the meaning of each light is intuitive — **green** means less than half done; **yellow** means more than half done, and **red** means finished.

- Programmable time
- Six different audible alerts.
- LCD display with 8 mm high characters, 10 characters across
- Operates on 110 VAC adapter (included)

Part No.	L x W x H
<b>HS24651</b>	112 x 118 x 230 mm

## Time Tracker® Mini

Based on the Original Time Tracker, the Mini is an economical option intended for easy use

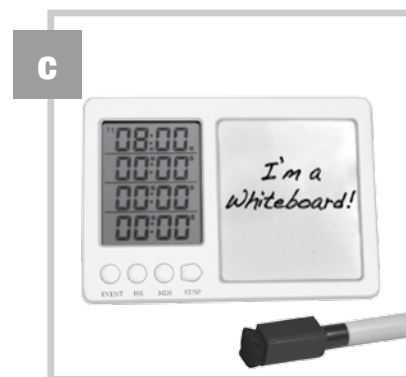
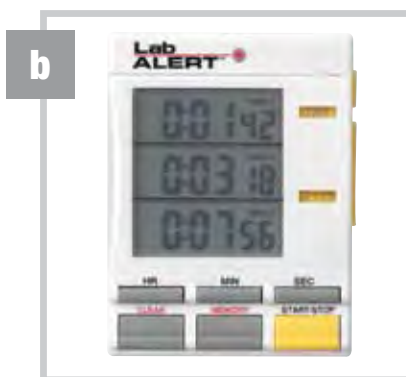
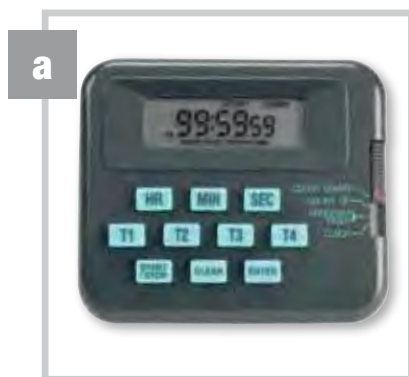
Visual indicator features lighted dome — **green** light during count down; **yellow** for the designated "warning" time; **red** when time has expired.

- Total alarm time ranges from 5 to 120 minutes in 5-minute increments
- Volume control and audible warning alarm
- Requires 3 AAA batteries, not included

Part No.	L x W x H
<b>HS24653</b>	83 x 83 x 121 mm



# lab alert®



## a. Pocket Timer/Stopwatch/Clock

- Four independent timing channels with visual and audible alarms
- Use as a stopwatch, a count up/down timer, or a clock
- Includes spring clip and magnetic back

## b. Triple Timer/Clock

- Three channels to count up/down with
- Simultaneous display, time-out, and 60 second audible alarm
- Channels may be started independently or simultaneously
- Timer automatically counts up after counting down to zero
- Memory recall

## c. 4-way Timer with Whiteboard/Pen

- Clock feature count up or down to 24 hours 59 minutes
- 4 timer channels
- Stands up or attaches to a magnetic surface (magnets on back of unit)
- Whiteboard and marking pen included
- Sounds when time expires
- Batteries included (2 AAA)

## d. Big-digit Dual Timer/Clock

- Display clock and timer simultaneously, or two independent timers
- Use one timer to count up, or use two timers to count down independently
- Audible and visual alarm

## e. Multi-function Stopwatch/Clock

- Quick start, quick stop timer features time, split, hourly chime, calendar, alarm
- 100 cm neck cord

## f. Four Channel Timer/Clock

- Independently or simultaneously set time on four channels
- Audible and visual alarms signify elapsed time
- Easily toggle between channels and clock with top buttons
- Includes spring clip with magnetic back

	Part No.	No. of Channels	Timing Capacity	Resolution	Count Direction	Display Digits, H	Clock	Alarm	Battery	L x H x D
<b>a</b>	<b>HS24490D</b>	Four	100 hr.	1/100 sec.	Up/Down	6 mm	Yes	Yes	One LR44 1.5V	61 x 71 x 25 mm
<b>b</b>	<b>HS24490M</b>	Three	20 hr.	1/100 sec.	Down	10.5 mm	Yes	Yes	One AAA	86 x 66 x 22 mm
<b>c</b>	<b>HS120365</b>	Four	24 hr.	1/100 sec.	Up/Down	10 mm	Yes	Yes	Two AAA	123 x 86 x 24 mm
<b>d</b>	<b>HS24780</b>	Two	24 hr.	1/100 sec.	Up/Down	25.5 mm	Yes	Yes	One AAA	142 x 97 x 20 mm
<b>e</b>	<b>HS24645</b>	One	60 min.	1/100 sec.	Up	8.5 mm	Yes	Yes	One LR44 1.5V	87 x 78 x 21 mm
<b>f</b>	<b>HS24670</b>	Four	99 hr.	1/100 sec.	Down	14 mm	Yes	Yes	Two LR44	73 x 59 x 13 mm

- A**
- Adapt-a-Rack™ ..... 22
  - Arctic Squares® ..... 31, 67
  - Freezer Rack ..... 62
  - Autoclavable Bags ..... 81
- B**
- Bag Sealers ..... 81
  - Bags ..... 81
    - Autoclavable ..... 81
    - Biohazard ..... 81
  - Baskets ..... 93
  - Bijou Bottle Rack ..... 26, 55
  - Blood Collection Trays ..... 51-52
  - Bottles ..... 78
  - Bottle Carrier ..... 79
  - Bottle Rack ..... 26, 55
- C**
- Carts ..... 53
  - Cell Spreaders ..... 85
  - Centrifuge ..... 5, 6
  - Clamp-ette® ..... 40
  - Clearly Safe® ..... 92
  - Clocks ..... 102
  - Colony Counter ..... 83
  - Conical Centrifuge Tubes ..... 9
  - Container Seal™ ..... 99
  - Cool containers ..... 70
  - Coolers ..... 66, 70
  - Counters ..... 59
  - Cryo
    - Boxes, partitions ..... 29-30, 64-65
    - Cane Sleeves ..... 71
    - Labels ..... 96-97
    - Vials ..... 9, 71
    - Vial Canes ..... 71
    - Vial Holders ..... 17, 66
    - Cube Rack ..... 24
  - Cryostorage Boxes ..... 29, 65
- D**
- Digital Orbital Shaker ..... 7
  - Dispenser, Petri Dish ..... 85
  - Dispensing Bin ..... 80, 88-93
  - Diversified Biotech ..... 95-99
  - Drawer Organizers ..... 89
  - Droplet® ..... 52, 54, 87
  - Droplet® Accessories/Inserts ..... 52-53
  - Drying Rack ..... 93
  - Dual Solution® Reservoir ..... 42
  - Dura Seal™ ..... 98
  - Duraport® ..... 55, 77
- E**
- Eco-Smartfunnel™ ..... 79
  - Ecoun™ Colony Counter ..... 83
  - Electric Bag Sealers ..... 81
- F**
- Flip & Grip® ..... 40
  - Floating Racks ..... 27
  - Foam Racks ..... 33, 68
  - Foil Dispenser ..... 99
  - Foil Rolls ..... 99
  - Forceps ..... 75
  - Freezer Boxes ..... 29, 32, 34-35, 64-69
    - Cardboard Boxes ..... 30, 64
    - True North® Corrugated Boxes ..... 29, 65
    - True North® Thin Film Boxes ..... 29, 65
  - Freezer Racks ..... 61-63
  - Freezer Thermometer ..... 71
  - Funnel ..... 79
- G**
- Glove Box Holder ..... 90-91
  - Grabbit™ Temp Mitts ..... 80
  - Grab Rack™ ..... 26, 59
  - Gusto® Mini-Centrifuge ..... 6
- H**
- Heat Sealer ..... 81
  - Holders
    - Bags ..... 81
    - Gloves ..... 90-91
    - Kimwipes® ..... 88, 91
    - Petridish ..... 85
    - Pipettors ..... 40-41, 88-89
    - Tubes ..... 88-89, 93
- I**
- Ice buckets ..... 70
  - Inoculating needle/Loop/Picks ..... 84
- K**
- Kimwipe® Holder ..... 88, 91
- L**
- Lab Alert® ..... 102
  - Lab Wipe Holder ..... 88, 91
  - Labels Holder ..... 96-98
  - Label Station ..... 98
  - Laboratory Notebooks ..... 101
  - Lead Rings ..... 80
  - Lens Tissue ..... 48
  - Light Box ..... 83
- M**
- MagLab™ Series ..... 88
    - MagRack™ ..... 88
    - MagWipe™ ..... 88
    - MagPette™ ..... 88
    - MagBox™ ..... 88
  - Markers, permanent ..... 83, 98
  - Mega Rack™ ..... 25, 35, 58
  - Microcentrifuge ..... 5, 6
  - Microscope ..... 49
  - Microtube Rack ..... 18, 20
  - Microtube Storage ..... 29-35
  - Mini-Light Box ..... 83
  - Mini-Magnifier ..... 83
  - Mini Bin™ Foil Dispenser ..... 99
- N**
- Notebooks ..... 101
- O**
- One Rack® Test Tube Rack ..... 14-15, 56-57
  - Organizers ..... 51-52, 54, 87-89, 91, 93
  - Orbital Shaker ..... 7
- P**
- Paper Weighing Boats ..... 73
  - Parafilm® ..... 95
  - Parafilm® Dispenser ..... 95
  - Pearl® Pipettes ..... 38
  - Pen ..... 47, 83, 98
  - Permanent Markers ..... 83
  - Petri Dish Dispenser ..... 85
  - Petri Dish Holder ..... 85
  - Petri Seal™ ..... 99
  - Phlebotomy ..... 50
  - Pipette controller ..... 37-39
  - Pipettes ..... 37-39, 43
  - Pipette Filler ..... 43
  - Pipette Holders ..... 40-42, 88-89
  - Racks/Stands Workstation
  - Pipettor Rack ..... 42
  - Pipette Tip Disposal Box ..... 43
  - Pop-Up™ Rack ..... 23
  - Pressure Bulb ..... 43
  - Puzzle Rack ..... 22
- R**
- Rack Selection Guide ..... 10-11
  - Racks - Test Tube ..... 12
    - 5 mL/15 mL/16mm Test Tube Rack ... 13, 58
    - Cardboard ..... 30, 64
    - Centrifuge Bottle ..... 26, 55
    - Cube Rack ..... 24
    - Floating Racks ..... 27
    - Four Way Rack ..... 24
    - Grab Rack™ ..... 26, 59
    - Mega Rack™ ..... 25, 35, 58
    - Microtube Rack ..... 18, 20
    - One Rack® ..... 14-15
    - One-Well Rack ..... 19
    - PCR® Racks ..... 20-21
    - Peg Racks ..... 17
    - Pop-Up™ Rack ..... 23
    - Refrigerator Racks ..... 33, 68
    - Rota-Rack® ..... 18
    - Rota-Rack® Duo ..... 17
    - Snap-Together ..... 19, 27
    - Three-Way Rack ..... 20
    - TracRack® ..... 13, 35, 69
    - TracRack® Micro ..... 13, 35, 69
    - Universal Rack ..... 23
    - Wire Racks ..... 26, 55
    - Work-2-Store® ..... 16, 32, 66
    - Work-2-Store® Micro ..... 16, 32, 66
  - Razor Blade ..... 79
  - Reagent Reservoirs ..... 42
  - Reservoir ..... 42
  - RF1000™ Pipette Controller ..... 37
  - RF3000® Pipette Controller ..... 39
- S**
- Safety Dispenser ..... 92
  - Sample Storage Trays ..... 54, 87
  - Safety Bulb Pipette Filler ..... 43
  - Safety Glasses Dispensers ..... 80
  - Scintillation Vial Rack ..... 26, 55
  - Sealing ..... 95, 98-99
  - Shaker, Orbital ..... 7-8
  - Sharpie® Markers ..... 83, 98
  - Sharps Containers ..... 51, 79
  - Storage ..... 86
  - Storage Bin ..... 88, 93
  - Storage Rack ..... 91-92
  - Storage Tray ..... 54, 87
  - Sprout® Mini-Centrifuge ..... 5
  - Smartboats® ..... 73
  - Smartslicer™ ..... 79
  - Smartspatulas™ ..... 73
  - Spatulas ..... 73, 75
  - Slide
    - Box ..... 45-46, 70
    - Holder ..... 47
    - Mailer ..... 48
    - Racks ..... 46, 63, 92
    - Storage ..... 45-46, 47
    - Tray ..... 47
  - Staining Slide Tray Set ..... 49
  - Stainless Steel
    - Freezer Racks ..... 61-63
    - Cell Spreader ..... 85
    - Bottle Carrier ..... 79
- T**
- Temperature Mitts ..... 80
  - Test Tubes ..... 9, 71
  - Test Tube Baskets ..... 93
  - Thermometer ..... 71
  - Timers ..... 101-102
  - Time Tracker® ..... 101
  - Timer Tracker® Mini ..... 101
  - Tote Max™ Trays ..... 51
  - Tourniquets ..... 59
  - TracRack® ..... 13, 35, 69
  - TracRack® Micro ..... 13, 35, 69
  - Transfer Pipettes ..... 43
  - Transformer Cube Rack ..... 33, 68
  - True North® ..... 60
  - Tubby® Container ..... 93
  - Tubes ..... 9, 71
  - Tube Storage ..... 28-35, 64-69
- U**
- Universal Tube Rack ..... 23
  - Urine
    - Rack ..... 26, 55
    - Storage Tray ..... 54
- V**
- Vacuum/Pressure Bulb ..... 43
  - Vials, Cryogenic ..... 9, 71
  - Vortexer ..... 8
- W**
- Wash Bottles ..... 78
  - Weighing Boats ..... 73-74
  - Weighing Dishes ..... 75
  - Weighing Paper ..... 75
  - Wire Drying Rack ..... 93
  - Wire Racks ..... 26, 55
  - Work-2-Store® ..... 16, 32, 66
  - Work-2-Store® Micro ..... 16, 32, 66

Part No.	Page No.	Part No.	Page No.	Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
HEACRY-0500	96	HS1002B	81	HS120092	79	HS120251	78	HS1420CC	74
HEACRY-1000	96	HS1002C	81	HS120097	38	HS120252	78	HS1421A	74
HEACRY-1000	96	HS10044H	81	HS120098	38	HS120253	78	HS1421B	74
HEACRY-2000	96	HS10050	6	HS120099	38	HS120254	78	HS1421C	74
HEACRY-2000(x)	96	HS10060	9	HS120100	38	HS120255	78	HS1422	74
HEACSEAL-75R	99	HS10320	81	HS120101	38	HS120256	78	HS1423A	74
HEACSEAL-75W	99	HS10321	81	HS120102	38	HS120257	78	HS1423AA	74
HEACSEAL-75Y	99	HS10322	81	HS120103	38	HS120258	90	HS1423B	74
HEACSEAL-XLR	99	HS10323	81	HS120104	38	HS120259	79	HS1423BB	74
HEACSEAL-XLW	99	HS1034A	80	HS120105	38	HS120260	79	HS1423C	74
HEACSEAL-XLY	99	HS1040A	80	HS120106	38	HS120261	51	HS1423CC	74
HEADS1-150	98	HS1040B	92	HS120107	91	HS120262	65	HS1424A	74
HEADS2-500	98	HS1040C	92	HS120108	59	HS120263	53	HS1424AA	74
HEADS4-250	98	HS1041	80	HS120109	59	HS120264	53	HS1424B	74
HEADS4-500	98	HS1042	92	HS120110	59	HS120301	5	HS1424C	74
HEADS5-150	98	HS120000	83	HS120111	59	HS120312	73	HS14251A	74
HEALCRY-1100(x)	96	HS120003	73	HS120112	58	HS120313	73	HS14251B	74
HEALCRY-1200(x)	96	HS120004	73	HS120113	58	HS120314	73	HS14251C	74
HEALCRY-1258(x)	96	HS120005	73	HS120114	58	HS120315	73	HS14251D	74
HEALCRY-1700(x)	96	HS120006	73	HS120115	58	HS120316	70	HS1425A	74
HEALCRY-2380(x)	96	HS120007	73	HS120116	75	HS120318	8	HS1425AA	74
HEAMINI-1700	96	HS120008	73	HS120117	75	HS120356	13	HS1425B	74
HEAMISL-1000	97	HS120009	84	HS120118	75	HS120357	13	HS1425C	74
HEAMISL-1000(x)	97	HS120010	84	HS120167	13	HS120361	37	HS1426A	74
HEAPSEAL-108B	99	HS120011	84	HS120172	87	HS120362	37	HS1426AA	74
HEAPSEAL-108C	99	HS120012	84	HS120177	51	HS120363	37	HS1426B	74
HEAPSEAL-108R	99	HS120013	84	HS120178	51	HS120364	37	HS1426C	74
HEAPSEAL-108W	99	HS120014	84	HS120183	16	HS120365	102	HS1427A	74
HEAPSEAL-108Y	99	HS120018	16	HS120184	22	HS120366	29	HS1427AA	74
HEARNBW-1000	97	HS120021	51	HS120185	22	HS120367	29	HS1427B	74
HEARNBW-1100	97	HS120022	51	HS120186	22	HS120368	29	HS1427C	74
HEARNBW-2000	96	HS120023	51	HS120187	22	HS120369	29	HS14521A	75
HEARNBW-2100	96	HS120024	51	HS120188	22	HS120370	29	HS14521B	75
HEARNBW-2200	96	HS120025	51	HS120189	22	HS120371	29	HS14521C	75
HEARNBW-2300	96	HS120026	40	HS120190	22	HS120372	29	HS14522	75
HEARNBW-2400	96	HS120032	34	HS120191	22	HS120373	29	HS15092D	83
HEARNBW-2500	96	HS120033	34	HS120196	47	HS120375	54	HS15092ZP	98
HEARNBW-3000	97	HS120034	34	HS120197	47	HS120376	65	HS15093	83
HEARNBW-3100	97	HS120035	34	HS120201	34	HS120377	65	HS15094	83
HEARNBW-3200	97	HS120036	34	HS120202	34	HS120378	65	HS15906	75
HEARNBW-3300	97	HS120037	34	HS120203	34	HS120379	65	HS15907	75
HEASIDE-1000(x)	96	HS120038	34	HS120204	34	HS120380	65	HS15909	75
HEASPOT-1(x)00	97	HS120039	34	HS120205	57	HS120381	65	HS15920	48
HEASPOT-2(x)	97	HS120040	34	HS120206	57	HS120382	65	HS15941A	49
HEASPOT-3000	97	HS120041	34	HS120207	57	HS120383	65	HS15941B	49
HEASPOT-4000	97	HS120042	34	HS120209	8	HS120384	65	HS15951A	49
HEASPOT-5000	97	HS120043	34	HS120210	8	HS120385	65	HS15979A	45
HEAT-SPOTS	97	HS120044	34	HS120212	8	HS120386	65	HS15981A	47
HEATSPOTS-(x)	97	HS120052	77	HS120214	8	HS120387	65	HS15981B	47
HEAT-SPOTS-100	97	HS120056	40	HS120215	38	HS120388	65	HS15981C	47
HEAT-SPOTS-44	97	HS120057	40	HS120216	38	HS120389	65	HS15982	48
HEAT-SPOTS-50	97	HS120070	66	HS120219	79	HS120390	65	HS15983A	48
HEATSPOTS-50(x)	97	HS120071	66	HS120220	30	HS120391	65	HS15983B	48
HEAT-SPOTS-75	97	HS120072	66	HS120221	30	HS120392	65	HS15983G	48
HEATS-TNY	97	HS120073	66	HS120222	74	HS120393	65	HS15986	48
HEATTGP-1000	97	HS120074	66	HS120223	74	HS120394	65	HS15988H	70
HEATTGP-1050	97	HS120075	66	HS120224	74	HS120395	5	HS159890B	92
HEATTGP-1050(x)	97	HS120076	66	HS120225	74	HS120396	5	HS15989A	45
HEATTL(x)-1000	97	HS120077	77	HS120226	74	HS120398	15	HS15989B	45
HEATTLW-1000	97	HS120078	77	HS120227	74	HS120399	15	HS15989C	45
HEATTLW-2016	97	HS120082	93	HS120241	18	HS120460	7	HS15989E	45
HEATTLW-2016(x)	97	HS120083	93	HS120242	18	HS120467	13	HS15989M	45
HEATTS(x)-1000	97	HS120084	93	HS120243	18	HS1419A	74	HS15989P	45
HEATTSW-2240	97	HS120085	26	HS120244	18	HS1419B	74	HS15989R	45
HEATTSW-2240(x)	97	HS120086	26	HS120245	78	HS1419C	74	HS15990A	46
HEATT-SWALL	97	HS120087	26	HS120246	78	HS1420A	74	HS15990B	46
HEATT-TNY	97	HS120088	26	HS120247	78	HS1420AA	74	HS15990C	46
HS1000FRFR	37	HS120089	26	HS120248	78	HS1420B	74	HS15991A	46
HS1000RFU	37	HS120090	26	HS120249	78	HS1420BB	74	HS15991B	46
HS1002A	81	HS120091	26	HS120250	78	HS1420C	74	HS15991C	46



Part No.	Page No.	Part No.	Page No.	Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
HS15994A	45	HS23053A	19	HS243071R	27	HS27515B	15	HS29025F	20
HS15994B	45	HS23072	26	HS243071W	27	HS27515C	15	HS29025G	20
HS15994C	45	HS23108	26	HS243071Y	27	HS27515D	15	HS29025J	20
HS15994D	45	HS23202A	71	HS243073B	27	HS27551A	15	HS29040A	18
HS15994E	45	HS23202N	71	HS243073R	27	HS27551B	15	HS29040B	18
HS15994F	45	HS23205	71	HS243073W	27	HS27551C	15	HS29041A	17
HS15994G	45	HS23206	71	HS243073Y	27	HS27551D	15	HS29050A	24
HS15994M	45	HS23210	71	HS243077B	27	HS27552A	15	HS29060A	22
HS15994P	45	HS23215	26	HS243077R	27	HS27552B	15	HS3000	39
HS15994R	45	HS23224	26	HS243077W	27	HS27552C	15	HS300501	39
HS15996A	45	HS23229B	66	HS243077Y	27	HS27552D	15	HS300502	39
HS15996B	45	HS23243A	93	HS24311A	17	HS28230A	33	HS300504	39
HS15996C	45	HS232461	26	HS24311B	17	HS28230B	33	HS4282	33
HS15998C	75	HS23263A	91	HS24312A	17	HS28270	81	HS4283P	33
HS1846	99	HS23263B	91	HS24312B	17	HS28271	81	HS4284A	21
HS20162A	40	HS23271A	33	HS24318	23	HS28272	81	HS4289B	20
HS20162C	40	HS23300D	67	HS24319	23	HS28280	81	HS4323	9
HS20341A	93	HS23325A	67	HS24320B	23	HS2860A	30	HS4323K	9
HS20341B	93	HS23381B	67	HS24320P	23	HS2860B	30	HS4325	9
HS20341C	93	HS23381C	67	HS24322A	25	HS2860C	30	HS4422	9
HS20521A	42	HS23401	89	HS24322E	25	HS2860CB	30	HS4423	9
HS20521B	42	HS23402	89	HS24323A	25	HS2860CR	30	HS4426B	9
HS20521C	42	HS23403	89	HS24323E	25	HS2860CY	30	HS4426R	9
HS20611	42	HS23404	89	HS24330A	25	HS2860E	30	HS4427B	9
HS20612	42	HS23411	89	HS24371A	26	HS2860F	30	HS4427R	9
HS20612M	42	HS23412	89	HS24490D	102	HS2860G	30	HS4427S	9
HS20613	42	HS2344A	20	HS24490M	102	HS2860H	30	HS4428	9
HS20613C	41	HS23452	85	HS24645	102	HS2860M	30	HS4429	9
HS20613E	41	HS234521	91	HS24651	101	HS2860P	30	HS5000RFFIL	37
HS20615M	42	HS234522	91	HS24653	101	HS2860T	30	HS5000RFRP	37
HS20620	41	HS234523	88	HS24670	102	HS28621	63	HS5360A	59
HS206203	41	HS234524	95	HS24780	102	HS28622	63	HS5360B	59
HS206204	41	HS234525B	95	HS2538A	89	HS28623	63	HS6594	59
HS20622A	43	HS234525C	95	HS27501A	15	HS28624	62	HS81121A	84
HS20622B	43	HS234525D	95	HS27501B	15	HS2862A	61	HS81121B	84
HS20623	43	HS234525R	95	HS27501C	15	HS2862AB	61	HS81121C	84
HS2062A	40	HS234526A	95	HS27501D	15	HS2862AC	61	HS81121D	84
HS2062B	40	HS234526B	95	HS27502A	15	HS2862AD	61	HS8151	85
HS20630B	43	HS234526C	95	HS27502B	15	HS2862AE	61	HS8171A	85
HS20630C	43	HS23453	93	HS27502C	15	HS2862D	61	HS8171B	85
HS20630D	43	HS23455	85	HS27502D	15	HS2862DA	61	HS8610A	101
HS20630E	43	HS23457	90	HS27503A	15	HS2862DB	61	HS8610B	101
HS20631B	43	HS23458	90	HS27503B	15	HS2862H	61	HS8610D	101
HS20632A	43	HS2345A	21	HS27503C	15	HS2862HA	61	HS86655	85
HS20632B	43	HS2345B	21	HS27503D	15	HS2862HB	61	HS8881A	80
HS20632C	43	HS2345C	21	HS27504A	15	HS2862HC	61	HS8881B	80
HS206371A	43	HS2345D	21	HS27504B	15	HS2862HD	61	HS8881C	80
HS206371B	43	HS2345E	21	HS27504C	15	HS2862HE	61	HS8881D	80
HS206371C	43	HS2345F	21	HS27504D	15	HS2862K	61	HS8882A	80
HS206372A	43	HS23460	98	HS27505A	15	HS2862KA	61	HS8882B	80
HS206372B	43	HS23461A	21	HS27505B	15	HS2862KB	61	HS8882C	80
HS206372C	43	HS23461B	21	HS27505C	15	HS2862KC	61	HS8882D	80
HS206373A	43	HS23461C	21	HS27505D	15	HS28630	71	HS9902	47
HS206373B	43	HS23461D	21	HS27511A	15	HS2864	62	HS9903	48
HS206373C	43	HS234631	41	HS27511B	15	HS28714K	70	HS9904	48
HS20721B	42	HS234634	43	HS27511C	15	HS28721G	70	HS99040A	47
HS20721C	42	HS23471A	90	HS27511D	15	HS28724B	70	HS9913	47
HS20821A	42	HS23471B	90	HS27512A	15	HS28729R	70	HS9914	47
HS2132A	27	HS23471C	90	HS27512B	15	HS29022A	24	HS9930	47
HS2165A	27	HS23491A	90	HS27512C	15	HS29022B	24		
HS2165B	27	HS23500	88	HS27512D	15	HS29022C	24		
HS2165C	27	HS23501	88	HS27513A	15	HS29022D	24		
HS2166	27	HS23502	88	HS27513B	15	HS29022E	24		
HS2200A	52	HS23503	88	HS27513C	15	HS29022F	24		
HS2200B	52	HS23504	88	HS27513D	15	HS29022G	24		
HS2201A	52	HS23520A	99	HS27514A	15	HS29025A	20		
HS2201B	52	HS23534A	99	HS27514B	15	HS29025B	20		
HS2202	52	HS23536A	99	HS27514C	15	HS29025C	20		
HS23051	19	HS24306	19	HS27514D	15	HS29025D	20		
HS23052	19	HS243071B	27	HS27515A	15	HS29025E	20		

	LDPE 20°C	HDPE 20°C	PP 20°C	PMP 20°C	PMMP 20°C	PC 20°C	PVC 20°C	PS 20°C
Acetaldehyde	G	G	G	G	L	G	U	
Acetamide, Sat.	E	E	E	E	U	U	E	
Acetic Acid, 50%	E	E	E	N	E	E	G	
Acetic Anhydride	U	L	G	E	N	U	U	
Acetone	G	U	E	E	N	U	U	
Acetonitrile	E	E	L	L	N	U	U	
Acrylonitrile	E	E	L	L	N	U	U	
Adipic Acid	E	E	E	E	G	E	E	
Alanine	E	E	E	E	E	U	U	
Allyl Alcohol	E	E	E	N	G	G	G	
Aluminum Hydroxide	E	E	E	E	G	L	E	G
Aluminum Salts	E	E	E	E	E	E	G	
Amino Acids	E	E	E	E	E	E	E	
Ammonia	E	E	E	E	G	U	E	G
Ammonium Acetate, Sat.	E	E	E	E	E	E	E	
Ammonium Glycolate	E	E	E	E	E	G	E	
Ammonium Hydroxide, 30%	E	E	E	E	E	U	E	G
Ammonium Oxalate	E	E	E	E	E	E	E	
Ammonium Salts	E	E	E	E	E	E	G	
Amyl Chloride	U	L	U	U	E	U	U	
Aniline	E	E	G	G	N	L	U	U
Aqua Regia	U	U	U	F	U	U	U	
Benzaldehyde	E	G	E	E	F	L	U	U
Benzene	U	U	U	G	N	U	U	U
Benzoic Acid, Sat.	E	E	E	E	E	E	G	
Benzyl Acetate	E	E	E	E	N	L	U	U
Benzyl Alcohol	U	L	U	U	N	U	G	U
Bromine	U	L	U	U	N	L	G	U
Bromobenzene	U	U	U	U	N	U	U	U
Bromoform	U	U	U	U	N	U	U	U
Butadiene	U	L	U	U	G	U	L	U
Butyl Chloride	U	U	L	N	U	L	U	
Butyl Acetate	G	G	G	U	N	U	U	
Butyl Alcohol	E	E	E	E	L	G	G	E
Butyric Acid	U	L	U	U	N	L	G	U
Calcium Hydroxide, Conc.	E	E	E	E	G	U	E	G
Calcium Hypochlorite, Sat.	E	E	E	E	G	L	G	G
Carbazole	E	E	E	E	N	U	U	U
Carbon Disulfide	U	U	U	U	F	U	U	U
Carbon Tetrachloride	L	G	G	U	N	U	G	U
Cellosolve Acetate	E	E	E	E	G	L	L	U
Chlorobenzene	U	U	U	L	N	U	U	U
Chlorine, 10% (Moist)	G	G	L	G	E	G	E	U
Chloroacetic Acid	E	E	E	E	N	L	L	G
Chloroform	L	L	U	U	N	U	U	U
Chromic Acid, 50%	E	E	G	G	F	L	E	L
Citric Acid, 10%	E	E	E	E	E	E	G	E
Cresol	U	L	G	G	N	U	U	U
Cyclohexane	U	L	L	U	N	E	L	U
Cyclohexanone	U	L	L	G	N	U	U	U
Cyclopentane	U	L	L	L	G	U	L	U
Diacetone Alcohol	L	E	E	E	N	U	U	G
Diethyl Benzene	U	L	U	U	N	L	U	U
Diethyl Ether	U	L	U	U	F	U	L	U
Diethyl Ketone	U	U	G	L	N	U	U	U
Diethyl Malonate	E	E	E	E	NT	L	G	U
Diethylamine	U	L	G	L	G	U	U	G
Diethylene Glycol	E	E	E	E	E	G	L	G
Diethylene Glycol Ethyl Ether	E	E	E	E	E	L	L	U
Dimethyl Acetamide	L	E	E	L	E	U	U	U
Dimethyl Formamide	E	E	E	E	N	U	L	U
Dimethylsulfoxide	E	E	E	E	NT	U	U	E
Dioxane	G	G	G	L	N	U	L	U
Dipropylene Glycol	E	E	E	E	E	G	G	E
Ether	U	L	U	U	F	U	L	U
Ethyl Acetate	E	E	E	L	N	U	U	U
Ethyl Alcohol (Absolute)	E	E	E	E	G	E	E	L

	LDPE 20°C	HDPE 20°C	PP 20°C	PMP 20°C	PMMP 20°C	PC 20°C	PVC 20°C	PS 20°C
Ethyl Benzene	U	U	U	U	N	U	U	U
Ethyl Benzoate	L	G	G	G	N	U	U	U
Ethyl Butyrate	G	G	G	L	N	U	U	U
Ethyl Chloride, Liquid	L	L	L	L	N	U	U	U
Ethyl Cyanoacetate	E	E	E	E	E	N	L	L
Ethyl Lactate	E	E	E	E	F	L	L	L
Ethylene Chloride	G	G	L	U	N	U	U	U
Ethylene Glycol	E	E	E	E	E	G	E	E
Ethylene Glycol Methyl Ether	E	E	E	E	E	L	L	U
Ethylene Oxide	L	G	L	L	E	L	L	U
Fatty Acids	E	E	E	E	E	G	E	E
Fluorides	E	E	E	E	N	E	E	G
Fluorine	L	G	L	L	N	G	E	U
Formaldehyde, 40%	E	E	E	E	E	E	G	U
Formic Acid, 98-100%	E	E	E	E	N	L	L	L
Freon TF	E	E	E	L	G	G	G	L
Fuel Oil	L	G	E	G	G	E	E	U
Gasoline	L	G	G	G	G	L	G	U
Glutaraldehyde (Disinfectant)	E	E	E	L	G	E	E	E
Glycerine	E	E	E	E	E	E	E	E
Hexane	U	G	G	L	E	L	G	U
Hydrazine	U	U	U	U	N	U	U	U
Hydrochloric Acid, 35%	E	E	E	E	E	U	G	L
Hydrofluoric Acid, 48%	E	E	E	E	U	U	G	U
Hydrogen Peroxide, 90%	E	E	E	E	N	E	E	E
Iodine Crystals	U	U	L	G	N	U	U	U
Isobutyl Alcohol	E	E	E	E	F	E	E	G
Isopropyl Acetate	G	E	G	G	N	U	U	U
Isopropyl Alcohol	E	E	E	E	F	E	E	E
Isopropyl Benzene	L	G	L	U	N	U	U	U
Isopropyl Ether	U	U	U	U	F	U	U	U
Jet Fuel	L	L	L	L	G	U	E	G
Kerosene	L	G	G	G	G	E	E	U
Lacquer Thinner	U	L	L	L	N	U	U	U
Lactic Acid, 85%	E	E	E	E	E	E	G	G
Mercury	E	E	E	E	E	U	E	E
Methoxyethyl Oleate	E	E	E	E	E	L	U	U
Methyl Acetate	L	L	G	E	N	U	U	U
Methyl Alcohol	E	E	E	E	F	G	E	L
Methyl Ethyl Ketone	U	U	E	U	N	U	U	U
Methyl Isobutyl Ketone	U	U	G	L	N	U	U	U
Methyl Propyl Ketone	G	E	G	L	N	U	U	U
Methyl-t-butyl Ether	U	L	L	E	G	U	U	U
Methylene Chloride	L	L	L	L	N	U	U	U
Mineral Oil	G	E	E	E	E	E	E	E
Mineral Spirits	L	L	L	E	F	U	G	L
Nitric Acid, 1-10%	E	E	E	E	E	E	E	G
Nitric Acid, 50%	G	G	L	L	G	G	G	U
Nitric Acid, 70%	L	G	U	L	F	U	L	U
Nitrobenzene	U	L	U	U	N	U	U	U
Nitromethane	U	L	L	E	N	U	U	U
n-Octane	E	E	E	E	E	G	L	U
Ozone	E	E	E	E	E	E	E	L
Perchloric Acid	G	G	G	G	N	U	G	G
Perchloroethylene	U	U	U	U	F	U	U	U
Phenol, Liquid	U	U	U	U	N	U	U	U
Phosphoric Acid, 85%	E	E	E	E	F	E	E	E
Picric Acid	U	U	U	E	N	U	U	G
Pine Oil	G	E	E	G	E	G	L	U
Potassium Hydroxide, Conc.	E	E	E	E	E	U	E	G
Propane Gas	U	L	U	U	E	L	E	U
Propionic Acid	L	E	E	E	N	U	G	G
Propylene Glycol	E	E	E	E	E	G	L	E
Propylene Oxide	E	E	E	E	N	G	L	U
Resorcinol, Sat.	E	E	E	E	N	G	L	G
Salicylaldehyde	E	E	E	E	E	G	L	U
Salicylic Acid, Sat.	E	E	E	E	F	E	G	E

	LDPE 20°C	HDPE 20°C	PP 20°C	PMP 20°C	PMMP 20°C	PC 20°C	PVC 20°C	PS 20°C
Sodium Acetate, Sat.	E	E	E	E	E	E	G	G
Sodium Hydroxide, 1%	E	G	E	E	E	E	E	G
Sodium Hydroxide, 50% To Sat	G	G	E	E	E	U	U	E
Sodium Hypochlorite, 15%	E	E	G	E	E	E	G	E
Stearic Acid, Crystals	E	E	E	E	E	E	E	E
Sulfuric Acid, 60%	E	E	E	E	E	G	E	G
Sulfuric Acid, 98%	G	G	L	G	N	U	G	U
Sulfur Dioxide, Liquid	U	U	U	U	N	G	L	U
Sulfur Salts	L	G	L	L	G	L	U	U
Tartaric Acid	E	E	E	E	E	E	E	G
Tetrahydrofuran	L	G	G	L	N	U	U	U
Thionyl Chloride	U	U	U	U	N	U	U	U
Toluene	L	L	L	L	N	L	U	U
Tributyl Citrate	G	E	G	G	F	U	L	U
Trichloroacetic Acid	L	L	L	E	N	L	L	L
Trichloroethane	U	L	U	U	N	U	U	U
Trichloroethylene	U	L	U	U	N	U	U	U
Tris Buffer, Solution	E	E	E	E	E	G	G	G
Turpentine	L	G	G	L	F	L	G	U
Undecyl Alcohol	E	E	E	E	N	G	E	G
Urea	E	E	E	E	E	G	G	E
Vinylidene Chloride	U	L	U	U	N	U	U	U
Xylene	G	L	L	L	N	U	U	U
Zinc Stearate	E	E	E	E	E	E	E	E

Resin Codes	<b>LDPE</b>	Low-density Polyethylene
	<b>HDPE</b>	High-density Polyethylene
	<b>PP</b>	Polypropylene
	<b>PMP</b>	Polymethylpentene
	<b>PMMA</b>	Acrylic
	<b>PC</b>	Polycarbonate
	<b>PVC</b>	Polyvinyl chloride
<b>PS</b>	Polystyrene	

Letter Codes	<b>E</b>	Excellent
	<b>NT</b>	Not Tested
	<b>G</b>	Good
	<b>U</b>	Unsatisfactory
	<b>L</b>	Limited

**Chemical Resistance:** This chemical resistance chart is a **general guide only**. Because of the variety of factors that can affect the chemical resistance of a plastic product, it is recommended that the user tests under expected use conditions. Chemicals may affect the strength, appearance, color, dimensions, flexibility or weight of plastics. Variable factors like temperature, pressure, chemical concentration, length of exposure, and combinations of chemical reagents can affect the chemical resistance of plasticware. As temperatures increase, resistance to chemical attack decreases. Environmental stress cracking differs from chemical attack and is caused by the combined factors of tensile stress, the inherent susceptibility of the plastic to stress crack and stress-cracking agents. Such agents as detergents, lubricants, plating additives and brighteners and surface-active agents, even in small concentrations, may cause cracking.

## Resin Characteristics

Material		Brittleness Temp. °C	Max. Use Temp. °C	Melting Point Range °C	Transparency	Specific Gravity	Flexibility
<b>HDPE</b>	High Density Polyethylene	-100°C	120°C	125 — 138°C	Translucent	0.95	Rigid
<b>LDPE</b>	Low Density Polyethylene	-100°C	80°C	85 — 125°C	Translucent	0.92	Excellent
<b>PC</b>	Polycarbonate	-100°C	135°C		Transparent	1.20	Rigid
<b>PMMA</b>	Polymethyl Methacrylate	-20°C	85°C	85 — 105°C	Transparent	1.19	Rigid
<b>PMP</b>	Polymethylpentene	0°C	120°C	235°C	Transparent	0.835	Rigid
<b>PP</b>	Polypropylene	0°C	135°C	160 — 176°C	Translucent	0.9	Rigid
<b>PS</b>	Polystyrene	+20°C	90°C		Transparent	1.05	Rigid

## Sterilization Chart

Material		Sterilization Method				
		Autoclavable	EtO Gas	Dry Heat	Radiation	Disinfectants
<b>HDPE</b>	High Density Polyethylene	✘	✓	✘	✓	✓
<b>LDPE</b>	Low Density Polyethylene	✘	✓	✘	✓	✓
<b>PC</b>	Polycarbonate	✓	✓	✘	✓	Some
<b>PMMA</b>	Polymethyl Methacrylate	✘	✘	✘	✓	Some
<b>PMP</b>	Polymethylpentene	✓	✓	✓	✓	✓
<b>PP</b>	Polypropylene	✓	✓	✘	✘	✓
<b>PS</b>	Polystyrene	✘	✓	✘	✓	Some

No ✘  
Yes ✓

**Note:** Observe the tolerated temperature ranges of plastic when autoclaving laboratory plasticware. Remove any stoppers, fittings or caps from the plasticware prior to autoclaving. Plastic vessels should be autoclaved separately from their closures and other fittings. Autoclaving vessels with their closures in place can lead to deformation and destruction of the vessels. All statements are advisory only and imply no liability on the part of Heathrow Scientific. All statements relating to the resistances of laboratory plasticware to high temperatures, chemicals and to sterilization are based on statements from raw material manufacturers.

# PERIODIC TABLE OF THE ELEMENTS

Legend																	
■ Non-metal	■ Metal	■ Noble gas															
■ Alkali metal	■ Metalloid	■ Lanthanide															
■ Alkaline earth metal	■ Halogen	■ Actinide															
■ Transition metal																	
1 H HYDROGEN 1.0079																	2 He HELIUM 4.0026
3 Li LITHIUM 6.941	4 Be BERYLLIUM 9.0122											5 B BORON 10.811	6 C CARBON 12.011	7 N NITROGEN 14.007	8 O OXYGEN 15.999	9 F FLUORINE 18.998	10 Ne NEON 20.1797
11 Na SODIUM 22.989	12 Mg MAGNESIUM 24.305											13 Al ALUMINIUM 26.981	14 Si SILICON 28.085	15 P PHOSPHORUS 30.974	16 S SULFUR 32.065	17 Cl CHLORINE 35.453	18 Ar ARGON 39.948
19 K POTASSIUM 39.098	20 Ca CALCIUM 40.078	21 Sc SCANDIUM 44.955	22 Ti TITANIUM 47.867	23 V VANADIUM 50.9415	24 Cr CHROMIUM 51.9961	25 Mn MANGANESE 54.938	26 Fe IRON 55.845	27 Co COBALT 58.933	28 Ni NICKEL 58.6934	29 Cu COPPER 63.546	30 Zn ZINC 65.38	31 Ga GALLIUM 69.723	32 Ge GERMANIUM 72.63	33 As ARSENIC 74.921	34 Se SELENIUM 78.971	35 Br BROMINE 79.904	36 Kr KRYPTON 83.798
37 Rb RUBIDIUM 85.467	38 Sr STRONTIUM 87.62	39 Y YTTORIUM 88.9058	40 Zr ZIRCONIUM 91.224	41 Nb NIOBIUM 92.9063	42 Mo MOLYBDENUM 95.95	43 Tc TECHNETIUM (98)	44 Ru RUTHENIUM 101.07	45 Rh RHODIUM 102.90	46 Pd PALLADIUM 106.42	47 Ag SILVER 107.8682	48 Cd CADMIUM 112.414	49 In INDIUM 114.818	50 Sn TIN 118.710	51 Sb ANTIMONY 121.760	52 Te TELLURIUM 127.60	53 I IODINE 126.90	54 Xe XENON 131.293
55 Cs CAESIUM 132.905	56 Ba BARIUM 137.327	57-71* LANTHANIDES	72 Hf HAFNIUM 178.49	73 Ta TANTALUM 180.94	74 W TUNGSTEN 183.84	75 Re RHENIUM 186.207	76 Os OSMIUM 190.23	77 Ir IRIDIUM 192.217	78 Pt PLATINUM 195.084	79 Au GOLD 196.966	80 Hg MERCURY 200.59	81 Tl THALLIUM 204.38	82 Pb LEAD 207.2	83 Bi BISMUTH 208.98	84 Po POLONIUM (209)	85 At ASTATINE (210)	86 Rn RADON (222)
87 Fr FRANCIUM (223)	88 Ra RADIUM (226)	89-103** ACTINIDES	104 Rf RUTHERFORDIUM (261)	105 Db DUBNIUM (268)	106 Sg SEABORGIUM (271)	107 Bh BOHRIUM (272)	108 Hs HASSIUM (277)	109 Mt MEITNERIUM (276)	110 Ds DARMSTADIUM (281)	111 Rg ROENTGENIUM (280)	112 Cn COPERNICIUM (285)	113 Uut UNUNTRIUM (284)	114 Fl FLEROVIUM (289)	115 Uup UNUNPENTIUM (288)	116 Lv LIVERMORIUM (293)	117 Uus UNUNSEPTIUM (284)	118 Uuo UNUNOCTIUM (294)
* 57 La LANTHANUM 138.90	58 Ce CERIUM 140.116	59 Pr PRASEODYMIUM 140.90	60 Nd NEODYMIUM 144.242	61 Pm PROMETHIUM (145)	62 Sm SAMARIUM 150.36	63 Eu EUROPIUM 151.964	64 Gd GADOLINIUM 157.25	65 Tb TERBIUM 158.92	66 Dy DYSPROSIUM 162.500	67 Ho HOLMIUM 164.93	68 Er ERBIUM 167.259	69 Tm THULIUM 168.93	70 Yb YTTERIUM 173.054	71 Lu LUTETIUM 174.9668			
** 89 Ac ACTINIUM (227)	90 Th THORIUM 232.0377	91 Pa PROTACTINIUM 231.04	92 U URANIUM 238.02	93 Np NEPTUNIUM (237)	94 Pu PLUTONIUM (244)	95 Am AMERICIUM (243)	96 Cm CURIUM (247)	97 Bk BERKELIUM (247)	98 Cf CALIFORNIUM (251)	99 Es EINSTEINIUM (252)	100 Fm FERMIUM (257)	101 Md MEDELIUM (288)	102 No NOBELIUM (289)	103 Lr LAWRENCIUM (262)			



## our mission:

To enable our global dealer network to meet their customer requirements by providing world-class service that exceeds expectations and delivers high quality, innovative laboratory products that solves problems and improves productivity.

