Heathrow Scientific®

design | function | innovation

Volume 20.3













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Everything you need for a well stocked laboratory
or educational environment



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Laboratory Equipment

High-quality equipment and instruments for a vast range of protocols



Centrifuges

Stirrers

Mixers

Shakers

It is our objective to exceed customer expectations in service and product quality

Our strict standards include **3rd party plant reviews** and **100% multi-level product inspections.**

These actions result in a **99.7% reliability** on our equipment and **99.99% reliability** on our laboratory supplies.

We offer an industry leading **FIVE-YEAR** limited warranty for our Benchtop Laboratory Equipment Product line.

5 Year Warranty



MagFuge®

A high-speed mini centrifuge and magnetic stirrer in one unit







High-Speed Mini Centrifuge

Two Units in One!

Magnetic Stirrer

High-speed Centrifuge is easy to use and designed to deliver maximum speed (12,500rpm/9,783x g) and flexibility with rapid acceleration and fast controlled breaking

Ideal for most protocols requiring fast spins including PCR, micro- filter cell separation and HPLC. Versatility to handle 0.2, 0.5, 1.5, 2.0 and 5.0 mL tube sizes

Intuitive One-Dial Programming

- Set speed and time with ease:
- Adjustable speed from 500 to 12,500 rpm
- Speed setting for RPM or RCF
- Adjustable time from 30 seconds to 60 minutes

Safe to Use

- Safety features help ensure it will not operate when the lid is open, a rotor is jammed, or the unit is out of balance

Item No.	Color	L x W x H *in*	L x W x H *cm*
120581	Grey/Purple	9.2 x 7.3 x 4.7	23.5 x 18.5 x 12
120582	Grey/Blue		

Replacement parts	
120622	MagFuge® Rotor, 12 x 1.5/2.0 mL tube
120623	MagFuge® Rotor, 6 x 5.0 mL tube
120624	MagFuge® Stirrer Rotor
120682	MagFuge® Silicone Mat
120527	Power Adapter
120015	Tube Adapters, 0.2 mL, 0.5 mL, *Pack of 12 (6 ea.)*
HS100502	Universal Power Cord Set

Patent Information

Community Design No. 003515337-0001-0002
Euro. Pat. App. 3 246 088
US Design Patent No. D814,045
US Patent No. 10471439

High-performance Magnetic Stirrer is designed using high quality rare earth magnets creating a robust magnetic coupling that significantly reduce the chance of spin-outs

Perfect for work with sensitive samples and protocols up to 3L requiring aggressive mixing for full dilution

Easy to Use

- Set stir mode, speed and time with easy one-dial programming:
- Select Mode: clockwise, c. clockwise and oscillate
- Adjustable speed from 50 to 2,500 rpm
- Continuous and adjustable time settings from 30 seconds to 60 minutes

Durable Accessories Included

- Re-usable, easy to clean silicone mats included to keep vessel stable and prevent spills and two NdFeB stir bars (40 x 12 mm) with chemical resistant PTFE coating included

Package Includes		
Centrifuge/Stirrer	Stirrer Rotor	12 Tube Adapters 0.2 mL & 0.5 mL
5.0 mL Tube Rotor	2 Stir Bars, 35 mm x 12 mm, cylindrical shape	
1.5/2.0 mL Tube Rotor	2 Silicone Mats for Stirrer Lid	
1 Low Voltage, Double Insulated Power Adapter (100-240 VAC, 50/60 Hz) with 4 Interchangeable Plugs		

Specifications: Centrifuge	
Speed Range	500 – 999 rpm (increments of 1); 1,000 – 5,000 rpm (increments of 5); 5,000 – 12,500 rpm (increments of 25)
RCF	16 – 9,783 x g (max RCF calculated)
Run Time Ranges	30 seconds – 60 minutes (5 second increments)

Specifications: Magnetic Stirrer		
Speed Range	50 – 999 rpm (increments of 1); 1,000 – 2,500 rpm (increments of 5)	
Run Time Range	Stirrer Mode	30 seconds to 60 minutes or continuous (5 second increments)
	Oscillating Stirrer Mode	1 second – 60 minutes or continuous
	Oscillating Period	30 seconds – 15 minutes
Capacity	3 L plus, Diameter of vessel not to exceed 130 mm	



Gusto® High-Speed Mini Centrifuge

Maximum speed with minimal space

This compact centrifuge is ideal for protocols calling for fast spins with a higher RCF requirement

Made of durable ABS with UV-Resistant coating

User Friendly

- Intuitive Push button programming and bright LCD screen make it easy to use

Quiet Operation

- Brush-less motor enables quiet operation and low vibration

Safety Features

- Lid safety feature prevents opening while rotor is turning and clear polycarbonate allows user to see rotor movement for added visual safety
- Includes automatic shut-off feature for sample imbalance and tilt

Item No.	Color	L x W x H *in*	L x W x H *cm*
HS10050	Blue ■	8 x 6.7 x 4.5	20.3 x 17.1 x 11.4

Replacement parts	
HS100502	Universal Power Cord Set
HS100503	Gusto® Rotor 12 x 1.5/2.0 mL Tube (with Cover and Knob)
HS100504	Gusto® Rotor 4 x 8 Strip 0.2 mL Tube (with Knob)
120015	Tube Adapters, 0.2, 0.5 mL, *Pack of 12 (6 ea.)*
HS100506	Gusto® Rotor Cover (for 12 x 1.5/2.0 mL Tube Rotor Only)
120527	Power Adapter

Specifications	
Speed Range	500–12,500 rpm
Run Time Ranges	1 to 30 minutes
RCF	15 - 9,783 x g (max RCF calculated)

Package Includes
Gusto® 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
1 Low Voltage, Double Insulated Power Adapter (100-240 VAC, 50/60 Hz) with 4 Interchangeable Plugs



Sprout® Plus Mini Centrifuge

Mini but Mighty - ideal for small runs

Easy to Use

- Tool-free SnapSpin rotors and quick-spin options make the centrifuges fast and easy to use

Ergonomic Design

- The lid was functionally designed to fit in the palm of the hand for one handed lock and unlock allowing for quick tube extraction
- Large lid size accommodates longer and skirted tubes and tall tube lids
- The housing is made from ABS plastic and lid is polycarbonate plastic enabling the unit to be easily cleaned

Safety Measures

- Fitted with a braking function, the unit quickly stops spinning when powered off or when lid is opened
- A weighted, rubberized base eliminates potential movement and dampens vibration and noise



Accessory Kit Included



Specifications	
Speed Range	Approx. 6,000 rpm (fully loaded)
RCF	2,000 x g

Sprout® Plus

Item No.	Color	L x W x H *in*	L x W x H *cm*
120610	Green	6 x 5 x 4.3	15.3 x 12.8 x 10.9
120611	Blue		
Replacement parts			
HS100011	Sprout® Plus Rotor SnapSpin 6 x 1.5/2.0 mL Tube		
HS100012	Sprout® Plus Rotor SnapSpin 2 x 8 Strip, 0.2 mL		
120148	Sprout® Plus Lid O-Ring, *Pack of 10*		
120491	Sprout® Plus Power Adapter		
120015	Tube Adapters, 0.2 mL, 0.5 mL, *Pack of 12 (6 ea.)*		

Package Includes
Sprout® Plus 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 Lid O-Rings
Storage Case for Rotors and Adapters
Tube Rack
1 Low Voltage, Double Insulated Power Adapter (100-240 VAC, 50/60 Hz) with 4 Interchangeable Plugs

Need tubes?

See our portfolio of 0.2 mL, 0.5 mL, 1.5 mL Microcentrifuge Tubes



Microcentrifuge Tubes, Page 87





Portable Centrifuge Kit

Spin samples *on-the-go*

The Portable Centrifuge Kit offers a convenient way to spin down and prepare samples outside of a conventional laboratory environment

Immediate Field Processing

- Process samples in remote areas before deterioration can take place
- Allows for immediate on-site testing for faster results
- Made of durable ABS plastic for easy clean in field environments

Portable Convenience

- All items in kit are housed in a handled DuraPorter® Transport Box for portability
- The handled box has an air-tight seal for optimal sample protection

Easy to Use

- Centrifuge is equipped with tool-less SnapSpin rotors for easy change out
- Simple operation with lock/unlock activation

See page 58 to learn more about the DuraPorter® Transport Box

Item No.	
120568	Portable Centrifugation Kit, 100-240 VAC, 50/60Hz Universal Plug + 12V Car Adapter
120569	Portable Centrifuge Transport Case with Inserts - Only
120570	12V Sprout® Plus Centrifuge Car Adapter*

*Adapter can be used with Sprout® Plus Mini Centrifuge

Package Includes
Sprout® Plus 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 Lid O-Rings
Storage Case for Rotors and Adapters
Tube Rack
1 Low Voltage, Double Insulated Power Adapter (100-240 VAC, 50/60 Hz) with 4 Interchangeable Plugs
DuraPorter® Transport Box
Tube Rack Insert (12-Place 1.5/2.0 mL, 14-Place 0.2 mL)
Transport Box Dividers
Sprout® Plus Cradle
Portable 12V Sprout® Plus Centrifuge Car Adapter

See page 8 for functional details on the Sprout® Plus

Magnetic Induction Stirrer

Strong, motor-less and maintenance free

5 Year Warranty

Superior Functional Design

- Advanced magnetic coil technology drives the spinning of the stir bar maintaining continuous, constant speed for reproducible results
- Magnetic coupling is optimized by using alternating current (AC) as its driving force strong enough to stir viscous solutions
- Motor-less operation generates minimal heat ideal for stirring temperature sensitive samples and environments for long periods
- With no moving parts, produces less vibration and quieter operation over traditional magnetic stirrers

Intuitive Operation

- Multiple stirring modes are easy to program
- Bright digital display precisely controls time and speed
- Quickly meets stirring speeds with rapid acceleration and braking (less than 10 seconds)



Durable ABS housing is corrosion resistant and easy to clean







Item No.	Color	L x W x H *in*	L x W x H *cm*
120584	Grey/Purple	9.7 x 7.7 x 3	24.5 x 19.5 x 7.5
120585	Grey/Blue		

Replacement parts	
120738	MI Stirrer Silicone Mat
120739	MI Stirrer Universal Power Adapter

Specifications	
Speed Range	50–2,000 rpm variable, 1 rpm increments
Run Time Range	30 seconds to 60 minutes, variable, 1 second increments or continuous
Stirrer Modes	Single clockwise
	Single counter clockwise
	Auto reverse rotation 1 to 99 cycles 50% duty
Capacity	3 L plus
Mixing Surface	165 mm diameter, silicone mat 160 mm diameter

Package Includes
Rare Earth, NdFeB Magnetic Induction Stirrer
2 Stir Bars 35 mm x 12 mm Cylindrical Shape
1 Silicone Anti-Skid Plate Cover
1 Low Voltage, Double Insulated Power Adapter (100-240 VAC, 50/60 Hz) with 4 Interchangeable Plugs



Mini Magnetic Stirrer

Affordable solution, ultimate function

The Mini Magnetic Stirrer is an affordable, dependable solution ideal for general research, academic, life sciences, industrial and clinical lab settings

Durable Design

- Constructed of chemical resistant ABS and PC blend
- Compact footprint saves valuable space on benchtop
- Lightweight for easy transport

Ultimate Function

- Powerful magnetic coupling ensures accurate alignment, reducing spin-outs during acceleration or deceleration
- Performs routine stirring applications with low vibration and quiet operation





U.S.and E.U. Utility Patent Pending
U.S. Design Patent No. D814,045

Item No.	Color	L x W x H *in*	L x W x H *cm*
120155	Grey/Purple	7.2 x 5.2 x 1.85	18.3 x 13.2 x 4.7
120595	Grey/Blue		

Replacement Part	
120815	Mini Stirrer Universal Power Adapter

Specifications	
Speed Range	200–2,200 rpm (Infinitely adjustable)
Capacity	Up to 3 L

Package Includes
Mini Magnetic Stirrer
2 Stir Bars 35 mm x 9 mm, Octagonal Shape
1 Low Voltage, Double Insulated Power Adapter (100-240 VAC, 50/60 Hz) with 4 Interchangeable Plugs

Stir Bars & Stir Bar Retriever

- Magnetic bar is made from ALNICO, one of the strongest permanent magnets available
- The sintered manufacturing process reduces the chance of decoupling (spin outs), encapsulation in PTFE protects both magnet and what it is stirring
- Chemically inert and easy to clean
- Can withstand temperatures up to 250°C, making them suitable for use with both unheated and heated stirrers
- Available in two surfaces:
  - Low friction octagon shape with a center pivot ring helps create a strong mixing vortex, even with more viscous solutions
  - Smooth shape for better coupling when using concave bottom glassware
- The retrieval bar can recover stir bars even in hot solutions when stirring and mixing is no longer required

Stir Bars

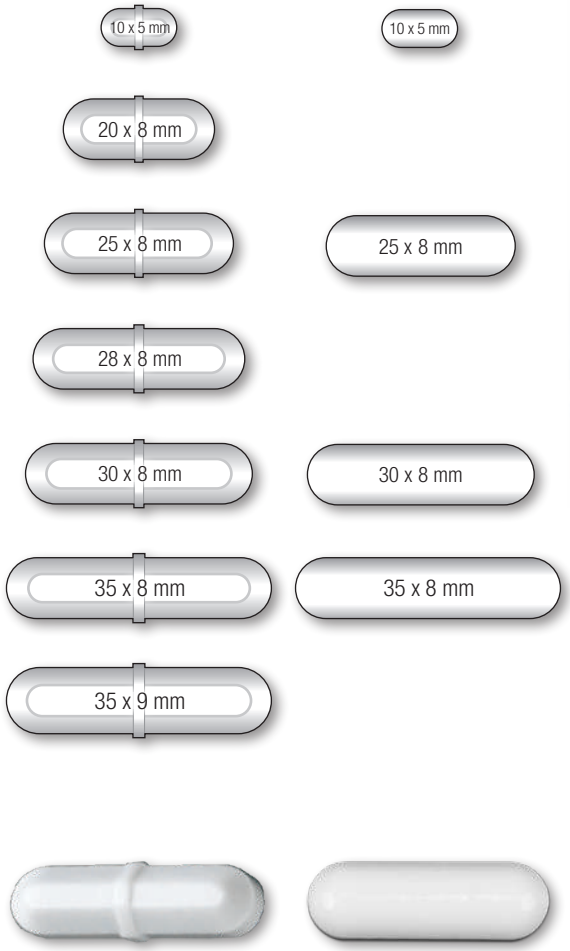
Pack of 10

Item No.	Shape	L x W *(in)*	L x W *(mm)*
120547	Octagonal with pivot ring	0.4 x 0.2	10 x 5
120548		0.8 x 0.3	20 x 8
120549		1 x 0.3	25 x 8
120550		1.1 x 0.3	28 x 8
120551		1.2 x 0.3	30 x 8
120552		1.4 x 0.4	35 x 9
120894	Smooth	0.4 x 0.2	10 x 5
120895		1 x 0.3	25 x 8
120896		1.2 x 0.3	30 x 8
120897		1.4 x 0.3	35 x 8

Stir Bar Retriever

Pack of 5

Item No.	L *(in)*	L *(cm)*
120553	11.8	30



Octagonal Shape

Smooth Shape





Stir Bar Retriever

Lab Mats

Two Lab Mat options to keep your workstation safe, quiet, clean and organized



Silicone Lab Mat
large noise dampening work surface with lipped edge to contain spills

Workstation Lab Mat
gridded surface for tube staging & preventing movement of small objects

Lab Mats, Page 47



Models 120209, 120212, 120214

Vortexer

Multi-purpose, maximum convenience

Innovative Design

- One mixing head does it all with this sleek, modern and compact designed vortex mixer
- Hold slot configurations for multiple sizes of tubes, vessels and assay plates
- Center pad for quick hand-held mixing

Easy to Use

- Control switch with three operation selections (intermittent, off, continuous)
- Variable Speed Rotary Dial provides pre-set speed control selection during shaking mode

Durable Construction

- ABS material resist most commonly used chemicals and is easy to clean
- Stable elastomer feet dampen vibration and prevent movement during operation


Center pad area for hand held mixing


Assay plate x 1 (to be used with retention cords)


25 mL, 50 mL conical tubes x 2 (horizontally mounted)


15 mL conical tubes x 2 (horizontally mounted)


5 mL tubes x 2 (horizontally mounted in the same retention space as 15 mL)


0.5 mL microfuge tubes x 6 (vertically mounted)


1.5/2.0 mL microfuge tubes x 4 (vertically mounted)


0.2 mL microfuge tubes (strip tubes) x 24 (vertically mounted)

US Design Patent No. D787,085
US Utility Patent No. 9895670

Item No.	Speed Control	Power Input	L x W x H *in*	L x W x H *cm*
120209	Infinity Dial	110-120 VAC, 50/60 Hz, 55 W, US/NA		
120212	Infinity Dial	220-240 VAC, 50 Hz, 44 W, CE	6.7 x 7.5 x 7.8 (with mixing head in place)	17.1 x 19 x 19.7 (with mixing head in place)
120214	Infinity Dial	220-240 VAC, 50 Hz, 44 W, UK		
120210	Preset Dial	220-240 VAC, 50 Hz, 44 W, AUS		
120318	Preset Dial	100-110 VAC, 50/60 Hz, 66 W(PSE), Japan		

Replacement parts	
120327	Vortexer Multi-Head
120328	Vortexer Central Pad, *3 pk*
120422	Vortexer Retention Cords, *3 pk*
120329	100-120 VAC US Cord

Replacement parts	
120333	220-240 VAC AUS Cord
120332	220-240 VAC CE Cord
120331	220-240 VAC UK Cord
120330	100-110 VAC Japan Cord

Specifications:	
Speed Range	Up to 3,000 rpm
Orbit	3.7 mm
Control	3 Position Control — (top) intermittent, (middle) off, (bottom) continuous



Mini Vortexer

Small footprint with maximum power

Simple, touch start operation offers exceptional mixing performance with one hand

Robust Design

- Low profile design and small footprint saves valuable space
- Made of ABS and silicone materials that resist most commonly used chemicals
- Stable platform and elastomer feet ensure unit stays stable during operation

Powerful Function

- Rapid vortex action with low activation force
- Quiet operation and low vibration



U.S. and E.U. Utility Patent Pending
U.S. Design Patent No. D814,045

Item No.	Color	L x W x H *in*	L x W x H *cm*
120567	Grey/Purple	5.1 x 4.3 x 3	13 x 11 x 7.5
120598	Grey/Blue		
120827	Black/Black		

Replacement parts	
120617	Mini Vortexer Silicone Cover, set of 2
120814	Mini Vortexer Universal Power Adapter

Specifications	
Speed	4,500 rpm
Orbit	6 mm
Capacity	Up to 50 mL tube

Package Includes
Mini Vortexer
2 Silicone Caps
1 Low Voltage, Double Insulated Power Adapter (100-240 VAC, 50/60 Hz) with 4 Interchangeable Plugs



Digital Orbital Shaker

Shaker for a vast range of protocols

Versatile Design

- Create your own matrix for vessels of all shapes and sizes with Hi-Lo Platform and Bungee Cords
- Instantly adjusts to weight load changes and unbalanced loads with no-stop electronic motor feedback allowing for truly reproducible results
- Durable ABS construction suitable for use in incubators (excluding C02) and cold rooms within the stated temperature range

High-Featured Operation

- Suitable for wide range of protocols including very low start speed for sensitive sample agitation to high speeds for vigorous applications
- Soft start and shut down feature reduces spilling from full vessels
- Designed to handle heavy loads up to 10 lbs (4.5 kg)
- Overload protection shut-off prevents overloading



Specifications	
Speed Range	20–300 rpm, 10 rpm increments
Orbit Diameter	19 mm (0.8")
Run Time Range	0 to 74 hours and 59 minutes; 1 minute increments or continuous
Maximum Load	4.5 kg (10 lbs)

Item No.	L x W x H *in*	L x W x H *cm*	Platform Interior *in*	W x D *cm*
120460	12.4 x 7.8 x 12.2	31.4 x 19.7 x 31	11 x 11	27.9 x 27.9

Replacement parts	
120521	Digital Orbital Shaker Silicone Mat & Bumpers
120524	Digital Orbital Shaker Bungie Cords, *Pack of 8*
120491	Digital Orbital Shaker Universal Power Adapter

Package Includes
Digital Orbital Shaker
Skid-Free Rubber Platform Mat
8 Bungee Cord Set
Universal Hi-Lo Platform with Soft Rubber Edge Bumpers
1 Low Voltage, Double Insulated Power Adapter (100-240 VAC, 50/60 Hz) with 4 Interchangeable Plugs

Sampling & Testing Instruments

Reliable and accurate instrument range for diverse applications



Thermometers

Refractometers

Hydrometers & Jars

Pipette Controllers

Colony Counters & Accessories

THERMOMETERS

We have a wide range of thermometers to measure and track temperatures for a wide range of applications.
Our portfolio includes Dial (Bimetal), Digital and Glass Thermometer options to get the job done.

Dial Thermometers

Dial thermometers don't require batteries, are enduring, and readings can be adjusted with the calibration screw on the back

Indicates temperature through a metal stem with attached circular scale.
Application use varies with dial sizes, stem lengths and temperature ranges.



81125

Dial Thermometers - 1" Diameter

Ideal for many applications including food and beverage quality control, general lab use, and asphalt/concrete testing

- The small stem and face fits nicely into a shirt pocket or holder
- Includes a plastic sheath with pocket clip for storage

Dial Thermometers - 1" Diameter

Item No.	Temperature Range	Subdivisions	Accuracy	Face Diameter *(in/mm)*	Stem Length *(in/mm)*	Stem Diameter *(in/mm)*
81125	25 to 125°F	1°F	±1°F	1 / 25	5 / 127	0.1 / 3.5
81070	-40 to 70°C	1°C	±1°C			
81110	-10 to 110°C	1°C	±1°C			
81550	50 to 550°F	5°F	±5°F			



82220

Dial Thermometers - 1.75" / 2" Diameter

Ideal for many applications including food and beverage quality control, general lab use, and asphalt/concrete testing

- Larger dial size than common pocket thermometers for easier reading
- Features an adjustment screw for field calibration
- Includes a clip for container mounting

Dial Thermometers - 1.75" / 2" Diameter

Item No.	Temperature Range	Subdivisions	Accuracy	Face Diameter *(in/mm)*	Stem Length *(in/mm)*	Stem Diameter *(in/mm)*
82125	25 to 125°F	1°F	±1°F	1.8 / 44.5	8 / 203	0.1 / 3.5
82110	-10 to 110°C	1°C	±1°C	1.8 / 44.5	8 / 203	0.1 / 3.5
82220	0 to 220°F	2°F	±2°F	1.8 / 44.5	8 / 203	0.1 / 3.5
82550	50 to 550°F	5°F	±5°F	1.8 / 44.5	8 / 203	0.1 / 3.5
82550DG	50 to 550°F / 10 to 290°C	2.5°F	±2.5°F	2 / 51	8 / 203	0.1 / 3.5
		5°C	±5°C			

Dial Thermometers - 3" Dial



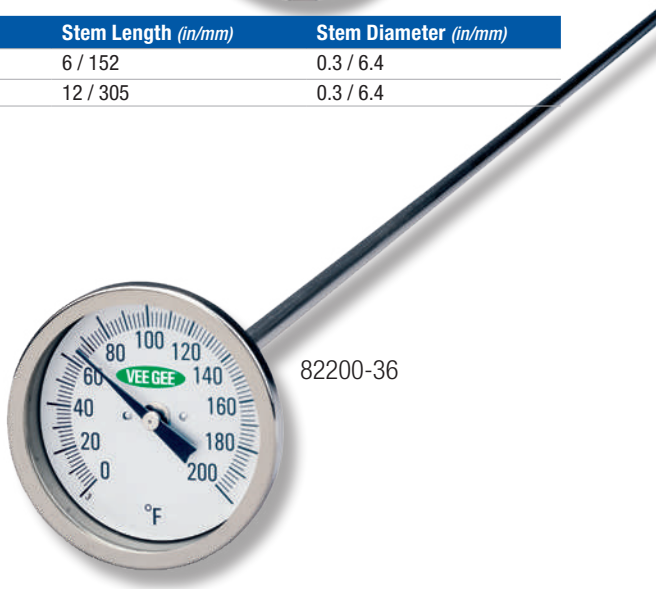
Ideal for many applications including soil testing, food and beverage quality control, and asphalt/concrete testing

- Constructed of stainless-steel case, bezel, and stem with a glass window
- Case is hermetically sealed to prevent lens fogging
- Includes a 1/2"NPT male thread on the back for threading into a pipeline
- Also features an adjustment screw for field calibration

Dial Thermometers - 3" Diameter

Item No.	Temperature Range	Subdivisions	Accuracy	Face Diameter *(in/mm)*	Stem Length *(in/mm)*	Stem Diameter *(in/mm)*
82160-6	-40 to 160°F	2°F	±2°F	3 / 76	6 / 152	0.3 / 6.4
82160-12	-40 to 160°F	2°F	±2°F	3 / 76	12 / 305	0.3 / 6.4

Long-Stem Dial Thermometers



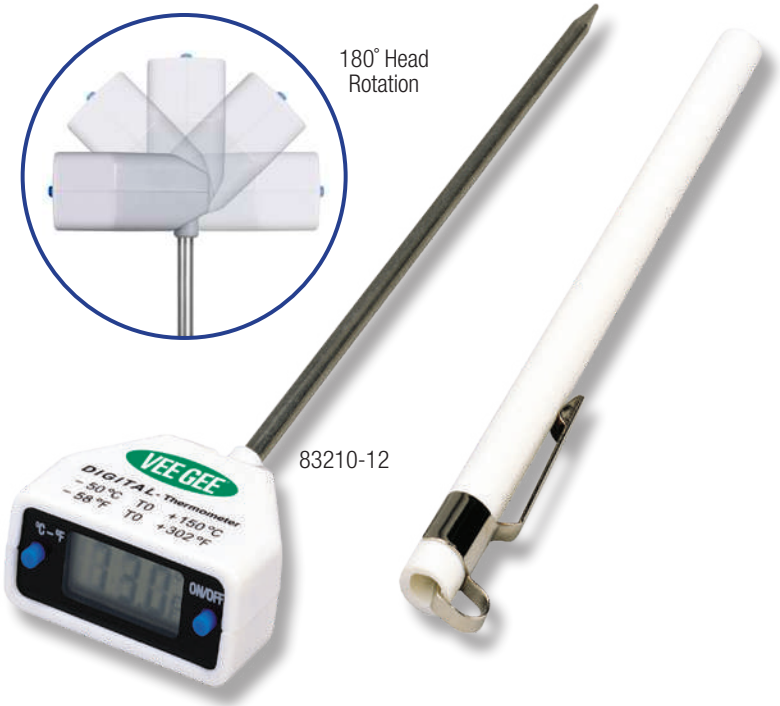
Ideal for many applications including compost testing, food and beverage quality control, and asphalt/concrete testing

- Constructed of stainless-steel case, bezel, and stem with a glass window
- Case is hermetically sealed to prevent lens fogging
- Includes a 1/2"NPT male thread on the back for threading into a pipeline
- Also features an adjustment screw for field calibration

Long-Stem Dial Thermometers

Item No.	Temperature Range	Subdivisions	Accuracy	Face Diameter *(in/mm)*	Stem Length *(in/mm)*	Stem Diameter *(in/mm)*
82200-36	0 to 200°F	2°F	±2°F	3 / 76	36 / 914	0.3 / 7.9
82100-36	0 to 100°C	1°C	±1°C	3 / 76	36 / 914	0.3 / 7.9
82200-48	0 to 200°F	2°F	±2°F	3 / 76	48 / 1220	0.3 / 7.9

Swivel-Head Digital Thermometers



Digital stem thermometers are ideal for temperature monitoring in essentially any setting and application

- Laboratories - easily monitoring reagents and liquids in test tubes, beakers, and flasks
- Food Processing
- Refrigeration
- Horticulture

Both models feature a dual scale (°F / °C), fast 1-second update time, and a swivel head that can be moved a full 180° for easy reading in any position. Both the ON/OFF and scale selection buttons are located on the face for easy access.

The thermistor sensor stem is stainless steel, 0.138" (3.5 mm) diameter, and includes a protective case featuring a pocket clip. Includes a 1.5V alkaline battery (LR44) and features automatic power-off after 10 minutes of non-use.

Swivel-Head Digital Thermometers

Item No.	Temperature Range	Resolution	Accuracy	Stem Length *(in/mm)*	Stem Diameter *(in/mm)*
83210-12	-58 to 302°F / -50 to 150°C	0.1°	±2.0°F / 1.0°C	12 / 305	0.1 / 3.5
83110	14 to 212°F / -10 to 100°C	0.1°	±1.0°F / 0.5°C	5 / 127	0.1 / 3.5

Glass Thermometers

VEE GEE thermometers feature a SafetyBLUE fill. This is an organic performance liquid that is bio-degradable and exhibits all the qualities of mercury without the risk of contamination and hazards associated with mercury.

Serialized Glass Thermometers

Precision serialized thermometers are ideal for use in laboratories, universities, food/beverage, environmental, wastewater and many other general-purpose applications

- Feature SafetyBLUE fill against a white background for easy reading
- Accuracy is equal to one subdivision

Serialized Glass Thermometers

Item No.	Temperature Range	Subdivisions	Length (in/mm)	Immersion
80701	-30 to 120°F	2°F	12 / 300	Total
80702	-4 to 230°F	2°F	12 / 300	Total
80703	0 to 300°F	2°F	12 / 300	Total
80706	-35 to 50°C	1°C	12 / 300	Total
80707	-20 to 110°C	1°C	12 / 300	Total
80708	-20 to 150°C	1°C	12 / 300	Total
80901	-30 to 120°F	2°F	12 / 300	Partial
80902	-4 to 230°F	2°F	12 / 300	Partial
80903	0 to 300°F	2°F	12 / 300	Partial
80905	20 to 500°F	2°F	15.4 / 391	Partial
80906	-35 to 50°C	1°C	12 / 300	Partial
80907	-20 to 110°C	1°C	12 / 300	Partial
80908	-20 to 150°C	1°C	12 / 300	Partial
80910	-10 to 250°F	2°F	15.4 / 391	Partial



80901

Serialized Encapsulated Glass Thermometers

Encapsulation protects you from broken glass and liquid

- Feature FEP encapsulation; in the event of breakage the FEP coating contains the broken glass and liquid, preventing injury or contamination
- Feature SafetyBLUE fill against a white background for easy reading
- Accuracy is equal to one subdivision

Serialized Encapsulated Glass

Item No.	Temperature Range	Subdivisions	Length *(in/mm)*	Immersion
80701E	-30 to 120°F	2°F	12 / 300	Total
80702E	-4 to 230°F	2°F	12 / 300	Total
80703E	0 to 300°F	2°F	12 / 300	Total
80704E	30 to 220°F	2°F	15.4 / 391	Total
80706E	-35 to 50°C	1°C	12 / 300	Total
80707E	-20 to 110°C	1°C	12 / 300	Total
80708E	-20 to 150°C	1°C	12 / 300	Total
80901E	-30 to 120°F	2°F	12 / 300	Partial
80902E	-4 to 230°F	2°F	12 / 300	Partial
80903E	0 to 300°F	2°F	12 / 300	Partial
80904E	30 to 220°F	2°F	15.4 / 391	Partial
80906E	-35 to 50°C	1°C	12 / 300	Partial
80907E	-20 to 110°C	1°C	12 / 300	Partial
80908E	-20 to 150°C	1°C	12 / 300	Partial



80702E

Serialized Armored Glass Thermometers

Armor protects the thermometer from rough handling and shock during use

- Includes nickel-plated brass armor
- Feature SafetyBLUE fill against a white background for easy reading
- Accuracy is equal to one subdivision

Serialized Armored Glass Thermometers

Item No.	Temperature Range	Subdivisions	Length *(in/mm)*	Immersion
80701-A	-30 to 120°F	2°F	12 / 300	Total
80702-A	-4 to 230°F	2°F	12 / 300	Total
80703-A	0 to 300°F	2°F	12 / 300	Total
80706-A	-35 to 50°C	1°C	12 / 300	Total
80707-A	-20 to 110°C	1°C	12 / 300	Total
80708-A	-20 to 150°C	1°C	12 / 300	Total
80901-A	-30 to 120°F	2°F	12 / 300	Partial
80902-A	-4 to 230°F	2°F	12 / 300	Partial
80903-A	0 to 300°F	2°F	12 / 300	Partial
80905-A	20 to 500°F	2°F	15.4 / 391	Partial
80906-A	-35 to 50°C	1°C	12 / 300	Partial
80907-A	-20 to 110°C	1°C	12 / 300	Partial
80908-A	-20 to 150°C	1°C	12 / 300	Partial
80910-A	-10 to 250°F	2°F	15.4 / 391	Partial



80701-A

Armored Encapsulated Glass Thermometers

Armor protects the thermometer and encapsulation protects you

- Includes FEP encapsulation and nickel-plated brass armor
- In the event of breakage, the FEP coating contains the broken glass and liquid fill, preventing injury or contamination. The armor protects the thermometer from rough handling and shock during use
- Feature SafetyBLUE fill against a white background for easy reading
- Accuracy is equal to one subdivision

Armored Encapsulated Glass Thermometers

Item No.	Temperature Range	Subdivisions	Length *(in/mm)*	Immersion
80701E-A	-30 to 120°F	2°F	12 / 300	Total
80702E-A	-4 to 230°F	2°F	12 / 300	Total
80703E-A	0 to 300°F	2°F	12 / 300	Total
80704E-A	30 to 220°F	2°F	15.4 / 391	Total
80706E-A	-35 to 50°C	1°C	12 / 300	Total
80707E-A	-20 to 110°C	1°C	12 / 300	Total
80708E-A	-20 to 150°C	1°C	12 / 300	Total
80901E-A	-30 to 120°F	2°F	12 / 300	Partial
80902E-A	-4 to 230°F	2°F	12 / 300	Partial
80903E-A	0 to 300°F	2°F	12 / 300	Partial
80904E-A	30 to 220°F	2°F	15.4 / 391	Partial
80906E-A	-35 to 50°C	1°C	12 / 300	Partial
80907E-A	-20 to 110°C	1°C	12 / 300	Partial
80908E-A	-20 to 150°C	1°C	12 / 300	Partial



83025A

Armor Cases for Glass Thermometers

Nickel-plated brass armor cases protect liquid-in-glass thermometers from rough handling and shock during use

Armors feature a threaded screw cap with ring top for suspension where necessary

Item No.	Thermometer Length *(in/mm)*	Outside Diameter *(in/mm)*	Inside Diameter *(in/mm)*
83025A	12 / 305	0.4 / 9.5	0.3 / 7.5
83025N	15.5 / 393	0.4 / 9.5	0.3 / 7.5

Glass Thermometers: Be in the know....

Column Separation

The largest single cause for failure of liquid-in-glass thermometers in the lab is due to column separation. This can occur in transit or in the lab.

The simplest and safest method to reunite a separated column is to force the liquid down the capillary tube by using a centrifuge, if one is available with a cup deep enough to ensure that the centrifugal force is below the liquid column.

- Carefully insert the thermometer, bulb down, into the centrifuge. Place some cotton wadding at the bottom of the cup to prevent any damage to the bulb. Turn on the centrifuge - in just a few seconds all the liquid will be forced past the separation.
- If the cup is not deep enough and all the centrifugal force is not below the column, the column will split, forcing part of the liquid down. The remainder will be forced up, filling the expansion chamber.
- If a centrifuge is not available, the column can be reunited by holding the thermometer in an upright position and gingerly tapping the stem above the separation against the palm of your hand. As you gently tap the thermometer, observe the liquid above the separation until it breaks away from the wall of the capillary and runs down to join the main column.

Immersion Types

Thermometers are one of the most important instruments used in the laboratory and are a relatively inexpensive means of reliably measuring temperature, provided they are properly used and not abused.

It is essential that the instruments be used in the manner prescribed if true temperature are to be ascertained. The following are some terms that should be understood and adhered to when true temperatures are to be obtained:

Total immersion - such a thermometer is designed to indicate temperatures correctly when the bulb and the entire liquid column are exposed to the temperature being measured, except for a minimal length emergent to be visible. Therefore, the thermometer is immersed into the medium up to the point of reading.

Partial Immersion - such a thermometer has a line around it at the immersion distance from the bottom. The thermometer indicates correctly when the bulb and liquid column to that line are exposed to the temperature being measured and the emergent stem is at ambient temperature. Therefore, the thermometer is immersed only up to the immersion line.

REFRACTOMETERS

VEE GEE's benchtop and handheld refractometers provide users with highly accurate readings for a wide range of applications in the agricultural, food & beverage, chemical and manufacturing industries.

We offer a large breadth of scales for specific applications such as Brix, NaCl, Salinity, Specific Gravity of Seawater, Coolant, Battery Acid, and more.

Our portable line of optical and digital refractometers offers the convenience to perform sample analysis where and when you need. With added temperature control, our Abbe benchtop unit takes the accuracy of your Brix/Refractive Index analysis to the next level in the laboratory.

X-Series Handheld Refractometers

Compact & Portable

The X-Series handheld refractometers are exceptionally simple to operate and provide quick, accurate measurements for the concentration of nearly any aqueous solution in a wide range of applications.

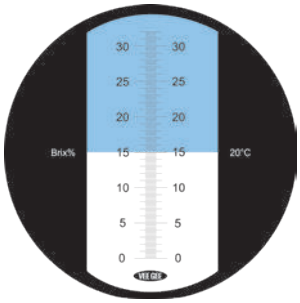
Made durable with industrial-grade design features to provide years of reliable use even in the field. Rugged metal housing construction with slip-resistant rubber grip and a Non-Roll stand to protect from rolling off surfaces.

No need to recalibrate or apply correction factors in work environments with large temperature swings with the Automatic Temperature Compensation (ATC) feature included on Models BTX-1, BTX-20, STX-3, CTX-1 & CTX-2. The effective compensation range is 50-86° F / 10-30° C.



Protective Grip
The rubber grip reduces hand slipping and guards against user's hand heat to maintain accuracy

Tool-Free Calibration
Tools not required with our patented "Zero-Ring" calibration (non ATC units only)



Accurate & Sharp Readings
Large scale is best in class delivering clear, sharp figures, screen shading and incredible contrast for overall accuracy

Quick Results
High quality optical glass prism and all-metal housing design allows the sample and prism to reach temperature equilibrium quickly

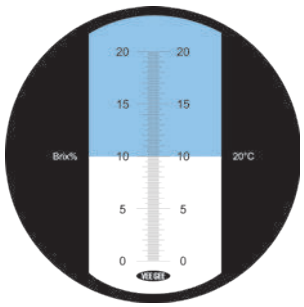
X-Series Specifications	
Sample Type	Transparent and Translucent
Sample Quantity	>0.1 mL
Prism	Optical Glass
Prism Housing	Copper Alloy w/Nickel-Chrome Coating
Included	Carrying Case, Plastic Transfer Pipet, Instruction Manual * ATC models include calibration screwdriver.
Warranty	1-Year

X-Series Handheld Refractometers

For Food, Beverage, and Agriculture Applications

Brix Handheld Refractometers

Item No.	Model No.	Scale	Range	Resolution	Accuracy	ATC	Approx Length *(in/mm)*
43001	BX-1	Brix	0 to 32%	0.2%	±0.2% Brix	No	6.5 / 165
43002	BTX-1	Brix	0 to 32%	0.2%	±0.2% Brix	Yes	6.5 / 165
43003	BX-2	Brix	28 to 62%	0.2%	±0.2% Brix	No	5.9 / 150
43004	SGX-1	Brix/Specific Gravity Beer Wort	0 to 32% 1.000 to 1.130	0.2% / 0.001	±0.2% / ±0.001	Yes	6.5 / 165
43005	BX-3	Brix	60 to 92%	0.2%	±0.2% Brix	No	5.5 / 140
43007	BX-4	Brix	45 to 82%	0.2%	±0.2% Brix	No	5.5 / 140
43009	BX-10	Brix	0 to 10%	0.1%	±0.1% Brix	No	7.3 / 185
43011	BX-20	Brix	0 to 20%	0.1%	±0.1% Brix	No	7.3 / 185
43012	BTX-20	Brix	0 to 20%	0.1%	±0.1% Brix	Yes	7.3 / 185
43015	BX-50	Brix	0 to 50%	0.5%	±0.5% Brix	No	5.7 / 145



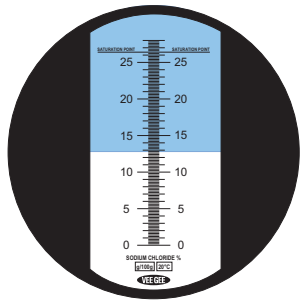
43012/Model BTX-20
For specific scale images, visit product on our website.



For Water/Wastewater, Aquatic and Aquaculture Applications

Sodium Chloride And Salinity Handheld Refractometers

Item No.	Model No.	Scale	Range	Resolution	Accuracy	ATC	Apprpx.Length *(in/mm)*
43033	SX-1	NaCl	0 to 10%	0.1%	±0.1%	No	7.3 / 185
43035	SX-2	NaCl	0 to 28%	0.2%	±0.2%	No	6.5 / 165
43036	STX-3	Salinity	0 to 100 ppt	1.0 ppt	±1.0 ppt	Yes	7.3 / 185
		Specific Gravity of Seawater	1.000 to 1.070	0.001	±0.001		

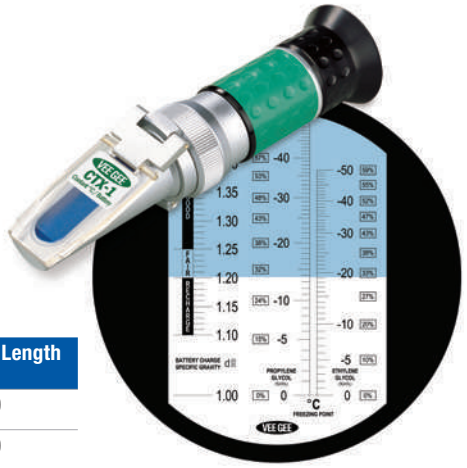


43035/Model SX-2
For specific scale images, visit product on our website.



X-Series Handheld Refractometers

For Light Industrial, Chemical, and Automotive Applications



43062/Model CTX-1
For specific scale images, visit product on our website.

General Purpose and Industrial Chemical Handheld Refractometers

Item No.	Model No.	Scale	Range	Resolution	Accuracy	ATC	Approx. Length *(in/mm)*
43055	NDX-2	Refractive Index	1.435 to 1.520	0.001	±0.001	No	5.5 / 140
43062	CTX-1	Propylene Glycol Freezing Point	-58 to 32°F / -50 to 0°C	33.80°F 1°C	±1°C	Yes	5.9 / 150
		Ethylene Glycol Freezing Point	-50 to 0°C	1°C	±1°C		
		Battery Acid Specific Gravity	1.10 to 1.40	0.01	±0.01		
43064	CTX-2	Propylene Glycol Freezing Point	-50 to 32°F / -45.56 to 0°C -60 to 32°F / -51.11 to 0°C	2°F -16.67°C	±2°F	Yes	5.9 / 150
		Ethylene Glycol Freezing Point	-60 to 32°F	2°F	±2°F		
		Battery Acid Specific Gravity	1.10 to 1.40	0.01	±0.01		
43071	URX-60	Urea	0 to 60%	0.5%	±0.5%	No	5.7 / 145

Accessories

Item No.	Description	Model
43000-DLXXX	Daylight Plate Kit	X-Series Handheld Refractometers Kit includes: Ring, Hinge, Plate, and Screw. Assembled
43RP-008	Soft Fabric Carrying Case	X-Series Handheld Refractometers
1111	Soft Vinyl Carrying Case	BX-1, BTX-1, BX-2, BX-3, BX-4, BX-50, SX-2, NDX-2, CTX-1, CTX-2
1111L	Soft Vinyl Carrying Case	BX-10, BX-20, BTX-20, SX-1, STX-3



43000-DLXXX
Daylight Plate Kit

Transfer Pipets

One-piece, unbreakable polyethylene plastic pipettes

Transfer and deliver small volumes of liquid quickly and safely

- 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

STERILE R

Transfer Pipets

	Item No.	Vol. (mL)	Working Vol. (mL)	Approx. Length *(in/mm)*	Graduations *(mL)*	Packaging 500 per box	Sterile
	20327-1	5	1	5.9 / 150	0.25	Bulk	
a	**20327-1SB**	5	1	5.9 / 150	0.25	20/bag	✓
	20327-1S	5	1	5.9 / 150	0.25	1/single wrap	✓
	20327-2	5	2	6.1 / 155	0.5	Bulk	
b	**20327-2SB**	5	2	6.1 / 155	0.5	20/bag	✓
	20327-2S	5	2	6.1 / 155	0.5	1/single wrap	✓
	20327-3	7	3	6.1 / 155	0.5	Bulk	
c	**20327-3SB**	7	3	6.1 / 155	0.5	20/bag	✓
	20327-3S	7	3	6.1 / 155	0.5	1/single wrap	✓



MDX-Series
Digital Refractometers

Compact, Durable and Accurate

The MDX-Series Digital Refractometers feature IP65/67 ratings, making them ideal for use in the field and in a multitude of environments.

Delivering quick digital accuracy with high-end performance features like:

- Automatic Temperature Compensation (ATC)
- Continuous Loop Average Readings



Intuitive to Use
Easy operation with large readable digital LCD display that shows all data needed on screen



Easy to Clean
Prism cover and rubber grip add extra protection and are removable for easy cleaning

Quick Results
Simply place 4-5 drops of your sample into the well, close the prism cover, and press the "READ" button



Mdx-Series Specifications	
ATC Range	32 to 104°F / 0 to 40°C
IP Rating	IP67: detecting unit IP65: body
Prism	Optical Glass
Wavelength	589.3 nm LED
Sample Cell	Stainless Steel
Calibration Solution	Distilled Water (not included)
Min. Sample Volume	0.3 mL
Battery	1 X AAA, 1.5V
Dimensions (L x W x H in/mm)	4.8 x 2.3 x 1 / 121 x 58 x 25
Weight (lb/kg)	0.198 lb / 0.089 kg
Included	Hard shell case with protective lining, disposable pipette, (1) AAA Battery, and user manual
Warranty	1-Year Parts and Labor

MDX-Series Digital Refractometers

For Food, Beverage, and Agriculture Applications

Digital Brix/Sugar Refractometer

Item No.	Model No.	Scale	Range	Resolution	Accuracy
48101	MDX-101	Brix	0.0 to 50.0% Brix	0.1% Brix	±0.2% Brix
		Refractive Index	1.3330 to 1.4200 nD	0.0001 nD	±0.0003 nD
48102	MDX-102	Brix	0.0 to 90.0% Brix	0.1% Brix	±0.2% Brix
		Refractive Index	1.3330 to 1.5300 nD	0.0001 nD	±0.0003 nD
48103	MDX-103	Dextran	0.0 to 10.5%	0.1%	±0.2%
		Fructose	0.0 to 68.0%	0.1%	±0.2%
		Glucose	0.0 to 59.0%	0.1%	±0.2%
		Lactose	0.0 to 16.5%	0.1%	±0.2%
		Maltose	0.0 to 15.5%	0.1%	±0.2%
		Sucrose (Brix)	0.0 to 90.0%	0.1%	±0.2%

Digital Honey Refractometer

Item No.	Model No.	Scale	Range	Resolution	Accuracy
48301	MDX-301	Brix	0.0 to 90.0% Brix	0.1% Brix	±0.2% Brix
		Moisture	5.0 to 38.0%	0.1%	±0.2%
		Baume	33.0 to 48.0°	0.1°	±0.2°
		Refractive Index	1.3330 to 1.5300 nD	0.0001 nD	±0.0003 nD

Digital Wine Refractometer

Item No.	Model No.	Scale	Range	Resolution	Accuracy
48401	MDX-401	Brix	0.0 to 50.0% Brix	0.1% Brix	±0.2% Brix
		PA (% v/v)	0.0 to 22.0%	0.1%	±0.2%
		Oechsle (Oe)	0 to 150°	1°	±2°
		KMW (Babo)	0.0 to 25.0°	0.1°	±0.2°

For Water/Wastewater, Aquatic and Aquaculture Applications

Digital Sodium Chloride Refractometer

Item No.	Model No.	Scale	Range	Resolution	Accuracy
48201	MDX-201	NaCl (%)	0.0 to 28.0%	0.1%	±0.2%
		NaCl (ppt)	0 to 280 ppt	1 ppt	±2 ppt
		Specific Gravity	1.000 to 1.217	0.001	±0.002
		Refractive Index	1.3330 to 1.4200 nD	0.0001 nD	±0.0003 nD

Digital Seawater Refractometer

Item No.	Model No.	Scale	Range	Resolution	Accuracy
48202	MDX-202	Salinity	0 to 100 ppt	1 ppt	±2 ppt
		Chlorinity	0 to 57 ppt	1 ppt	±2 ppt
		Specific Gravity	1.000 to 1.075	0.001	±0.002
		Refractive Index	1.3330 to 1.4200 nD	0.0001 nD	±0.0003 nD

For Light Industrial, Chemical, and Automotive Applications

Digital DEF (UREA)/Battery Acid Refractometer

Item No.	Model No.	Scale	Range	Resolution	Accuracy
48602	MDX-602	DEF (Urea)	0.0 to 51.0%	0.1%	±0.2%
		Refractive Index	1.3330 to 1.4200 nD	0.0001 nD	±0.0003 nD
		Battery Acid Specific Gravity	1.000 to 1.500	0.001	±0.005

Digital Coolant Refractometer

Item No.	Model No.	Scale	Range	Resolution	Accuracy
48603	MDX-603	Ethylene Glycol (% v/v)	0.0 to 65.0%	0.1%	±0.5%
		Ethylene Glycol Freezing Point	-80.0 to 32.0°F / -50.0 to 0.0°C	0.1°F / 0.1°C	±1.0°F / ±0.5°C
		Propylene Glycol (% v/v)	0.0 to 73.0%	0.1%	±0.5%
		Propylene Glycol Freezing Point	-100.0 to 32.0°F / -50.0 to 0.0°C	0.1°F / 0.1°C	±1.0°F / ±0.5°C

C10
Abbe Refractometer

High Precision Benchtop Unit

The C10 Abbe Refractometer is a high precision benchtop instrument measuring the Refractive Index (nD) of liquids, glass, plastic and film.

With an oversized, easy to read scale and Prism Temperature Control feature, the C10 delivers Brix and Refractive Index Scales and dispersion measurements with high precision.

Made of easy to clean, durable metal housing, the C10 is a long-lasting tool perfect for Education, Food, Beverage and Industrial Laboratories.



C10

C10 Abbe Refractometer Specifications	
Dispersion (nF-nC)	Dial Readings w/Conversion Charts
Ambient Temperature	41 to 95°F / 5 to 35°C 32 to 158°F / 0 to 70°C
Measuring Temperature	0 to 70°C
Optical Wavelength	589 nm
Prism	Optical Glass
Prism Housing	SUS316 Stainless Steel
Circulator Nozzles	2 for Primary Prism, 2 for Secondary Prism; accepts 3/8" ID tubing
Dimensions *(L x W x H in/mm)*	5.5 x 3.5 x 9.4 / 140 x 90 x 240
Weight	9.9 lb / 4.5 kg
Supplied With	2 x LR44, 1.5V Batteries
	Glass Standard (1.5163 nD)
	Bromonaphthalene Contact Liquid (4 mL bottle)
	Scale Adjustment Tool
Warranty	1-Year Parts and Labor

C10 Abbe Refractometer

Item No.	Scale	Range	Resolution	Accuracy
C10	Brix	0.0 to 95.0%	0.25% Brix	±0.15% Brix
	Refractive Index	1.3000 to 1.7200 nD	0.0005 nD	±0.00025 nD

Refractometer Standards, Letter of NIST Traceability Certification

Refractometer Standards

Item No.	Type	Brix Value (68°F / 20°C)	R.I. Value (68°F / 20°C)	Bottle Volume
45000-OS025	Oil	60.00%	1.4420 nD	7.4 mL / 0.25 oz
45000-OS200	Water	0.00%	1.33297 nD	7.4 mL / 0.25 oz
45000-OS001	Contact Solution	0.00%	1.65 nD	7.4 mL / 0.25 oz

HYDROMETERS

VEE GEE Hydrometers are manufactured to exacting standards. Each instrument is individually tested and inspected to ensure the highest level of dependability, accuracy, and uniformity. Scales include: API, Alcohol, Battery, Baume, Brix, Calcium Chloride, Liquid Petroleum Gas, Plato, Specific Gravity, Sodium Chloride & Soil Analysis.

Hydrometers Explained . . .

The hydrometer is an instrument which is constructed on the Archimedes principle that a solid body displaces its own weight of the liquid in which it floats. Hydrometers can be divided into two general classes; namely for liquid heavier than water and for liquids lighter than water. The base hydrometer scale is Specific Gravity, in which distilled water equals 1.000 as the initial point. Liquids lighter than water are scaled below 1.000 specific gravity and liquids heavier than water are scaled above 1.000 specific gravity.

Many other scales are commonly used, such as API, Brix, Baume, Plato, etc.
All of which are convertible into specific gravity by formula.

Hydrometers are usually calibrated at 15°C/60°F. To determine the density of a liquid, the liquid should be at 15°C/60°F. If the temperature varies, the liquid will either contract or expand, depending upon the temperature. Therefore, the density fluctuates with the temperature. Where there is a variation from the standard 15°C/60°F, corrections must be applied to the hydrometer reading. To assure proper corrections, a separate accurate thermometer should be used, or a hydrometer in combination with a thermometer, which is sometimes referred to as a "thermohydrometer."



The correct method of reading a hydrometer follows:

A. Observe a point below the plane of the liquid surface. The surface should appear as an ellipse (Fig. 1).

B. The line of vision is raised until the surface, seen first as an ellipse, becomes a straight line (Fig. 2).

C. The point at which this line cuts the hydrometer scale is the reading of the instrument (Fig. 3).

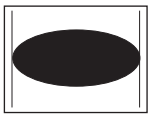

Fig. 1


Fig. 2

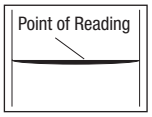


Fig. 3

If the liquid is not sufficiently clear for readings to be made in this manner, read from above the surface and estimate as accurately as possible the point to which the liquid rises on the hydrometer stem. Since hydrometers are calibrated to give correct indications when read at the principal surface of the liquid, correct the reading just taken at the upper edge of the meniscus by an amount equal to this height above the principal surface of the liquid. The amount of correction can be determined with sufficient accuracy for most purposes by taking a few readings on the upper and lower meniscus in a clear liquid of the same character as that being tested and noting the differences.

Alcohol Hydrometers - Tralle and Proof Scales

Verify the alcohol content of distilled spirits

Both models include the same ranges; model 6612-2TS also features an internal thermometer with SafetyBLUE fill for measuring solution temperature from -10 to +100°F.

- Calibrated for use at 15°C/60°F

NOTE: **Not for use with beer or wine.**

Alcohol Hydrometers - Tralle and Proof Scales

Item No.	Range	Subdivisions/ Tolerance	Range	Subdivisions/ Tolerance	Approx. Length *(in/mm)*
	TRALLE		PROOF		
6612-1	0 to 100%	1% / ±1%	0 to 200	2 / ±2%	12 / 305
6612-2TS	0 to 100%	1% / ±1%	0 to 200	2 / ±2%	14 / 355



6612-2TS

Alcohol Hydrometers - Proof Scale, Internal Revenue Service Spec.

Verify the alcohol content of your ethyl alcohol-based spirits with these hydrometers

- Tolerances match those laid out by the Internal Revenue Service specifications
- Calibrated for use at 15°C/60°F

Alcohol Hydrometers - IRS Specification

Item No.	Proof Range	IRS Size	Subdivisions	Tolerance	Approx. Length *(in/mm)*
6613-B	80 to 120	B	0.5	±0.5%	9 / 230
6613-F	0 to 20	F	0.2	±0.3%	12 / 305
6613-G	20 to 40	G	0.2	±0.4%	12 / 305
6613-H	40 to 60	H	0.2	±0.4%	12 / 305
6613-I	60 to 80	I	0.2	±0.3%	12 / 305
6613-K	75 to 95	K	0.2	±0.3%	12 / 305
6613-L	90 to 110	L	0.2	±0.3%	12 / 305
6613-M	105 to 125	M	0.2	±0.3%	12 / 305
6613-N	125 to 145	N	0.2	±0.3%	12 / 305
6613-P	145 to 165	P	0.2	±0.3%	12 / 305
6613-Q	165 to 185	Q	0.2	±0.2%	12 / 305
6613-R	185 to 206	R	0.2	±0.2%	12 / 305



6613-F

Alcohol Hydrometers w/3-point NIST Certificate and PVC Case- Proof Scale, Internal Revenue Service Specification

Verify the alcohol content of your ethyl alcohol-based spirits with these hydrometers

Tolerances match those laid out by the Internal Revenue Service specifications.

- Commonly used in distilleries requiring certification
- Calibrated for use at 15°C/60°F

INCLUDES: Hydrometer, NIST-traceable certificate with 3 data points, and a protective PVC case

Alcohol Hydrometers w/ NIST Cert. IRS Specs. & Case

Item No.	Proof Range	IRS Size	Subdivisions	Tolerance	Approx. Length *(in/mm)*
6613-B-C	80 to 120	B	0.5	±0.5%	9 / 230
6613-F-C	0 to 20	F	0.2	±0.3%	12 / 305
6613-G-C	20 to 40	G	0.2	±0.4%	12 / 305
6613-H-C	40 to 60	H	0.2	±0.4%	12 / 305
6613-I-C	60 to 80	I	0.2	±0.3%	12 / 305
6613-K-C	75 to 95	K	0.2	±0.3%	12 / 305
6613-L-C	90 to 110	L	0.2	±0.3%	12 / 305
6613-M-C	105 to 125	M	0.2	±0.3%	12 / 305
6613-N-C	125 to 145	N	0.2	±0.3%	12 / 305
6613-P-C	145 to 165	P	0.2	±0.3%	12 / 305
6613-Q-C	165 to 185	Q	0.2	±0.2%	12 / 305
6613-R-C	185 to 206	R	0.2	±0.2%	12 / 305



6613-F-C

Plato Hydrometers with Thermometers

Calibrated to show the concentration of extract as a percentage by weight in brewery wort

For example, a 5°P reading indicates 5 g of extract per 100 g of wort.

- Primarily used in the brewing industry
- Calibrated for use at 68°F/20°C

Plato Hydrometers with Thermometers

Item No.	Plato Range	Subdivisions	Approx. Length *(in/mm)*	Thermometer Range	Thermometer Subdivision	Thermometer Liquid Fill
6614TS-5	0 to 8.5°	0.1°	14 / 360	0 to 50°C	1°C	SafetyBLUE
6614TS-6	7.5 to 16°	0.1°	14 / 360	0 to 50°C	1°C	SafetyBLUE
6614TS-7	15.5 to 24°	0.1°	14 / 360	0 to 50°C	1°C	SafetyBLUE
6614TS-8	0 to 32°	0.5°	14 / 380	30 to 120°F	2°F	SafetyBLUE



6614TS-5

API ASTM Hydrometers with Thermometer

Chosen as the Standard Scale for Petroleum

The API Scale was selected as the standard hydrometer scale for petroleum products by the American Petroleum Institute (API), the U.S. Bureau of Mines, and the National Institute of Standards and Technology (NIST).

- The API Scale is based on the following formula: °API @ 60°F = (141.5/(Specific Gravity at 60°F) - 131.5
- The thermometer scale is located in the body of the hydrometer
- Calibrated for use at 15°C/60°F

API ASTM Hydrometers with Thermometer

Item No.	ASTM No.	API Range	Subdivisions	Approx. Length *(in/mm)*	Thermometer Range	Thermometer Subdivision	Thermometer Liquid Fill
6752HTS	52H	9 to 21°	0.1°	15 / 380	0 to 150°F	2°F	SafetyBLUE
6753HTS	53H	19 to 31°	0.1°	15 / 380			
6754HTS	54H	29 to 41°	0.1°	15 / 380			
6755HTS	55H	39 to 51°	0.1°	15 / 380			
6756HTS	56H	49 to 61°	0.1°	15 / 380			
6757HTS	57H	59 to 71°	0.1°	15 / 380			



6756HTS

Battery Hydrometer - Syphon Set

For Measuring Battery Acid

The Battery Acid Hydrometer Set is used in many industrial settings including, fleet maintenance, automotive services, solar-powered system maintenance, and general industrial applications.

- The rubber parts are made of nitrile rubber, which is chemically inert and durable
- A reinforced box provides storage and is compartmented to eliminate breakage
- Calibrated for use at 25°C/77°F

INCLUDES: Specific Gravity Hydrometer, glass syphon tube with rubber bulb, nozzle, and clamp

Battery Hydrometers

Item No.	Description	Specific Gravity Range	Subdivisions	Approx. Length *(in/mm)*
6605-5	Hydrometer and Syphon Set	1.150 to 1.300	0.005	20 / 507
6605-5H	Hydrometer Only	1.150 to 1.300	0.005	8.7 / 220
6605-OSY	Glass syphon tube, rubber bulb, nozzle, and clamp only	-------	-------	20 / 507



6605-5

Baume (Heavy) Hydrometers

These Baume Hydrometers are for liquids heavier than water

- The Baume scale is based on the following formula: Specific Gravity = 145/(145-degrees Baume)
- Calibrated for use at 15°C/60°F

Baume (Heavy) Hydrometers

Item No.	Baume Range	Subdivisions	Length *(in/mm)*
6609-1	0 to 12°	0.1°	12 / 305
6609-2	9 to 21°	0.1°	
6609-3	19 to 31°	0.1°	
6609-4	29 to 41°	0.1°	
6609-5	39 to 51°	0.1°	
6609-8	0 to 15°	0.1°	
6609-9	0 to 25°	0.2°	

Baume (Heavy) Hydrometers

Item No.	Baume Range	Subdivisions	Length *(in/mm)*
6609-10	0 to 35°	0.5°	12 / 305
6609-11	0 to 50°	0.5°	
6609-12	35 to 70°	0.5°	
6609-13	0 to 50°	1.0°	
6609-14	0 to 70°	1.0°	
6609-15	0 to 90°	1.0°	



6609-1

Brix Hydrometers

Brix Hydrometers are calibrated to show the percentage of sucrose by weight at 20°C/68°F

The Brix scale is based on the following: 1°Brix = 1% sucrose by weight at the specified temperature (20°C/68°F)

Brix Hydrometers

Item No.	Brix Range	Subdivisions	Approx. Length *(in/mm)*
6601-1	0 to 12°	0.1°	13 / 330
6601-2	9 to 21°	0.1°	13 / 330
6601-3	19 to 31°	0.1°	13 / 330
6601-4	29 to 41°	0.1°	13 / 330
6601-5	39 to 51°	0.1°	13 / 330

Brix Hydrometers

Item No.	Brix Range	Subdivisions	Approx. Length *(in/mm)*
6601-10	0 to 35°	0.5°	13 / 330
6601-11	35 to 70°	0.5°	13 / 330
6601-13	-5 to 5°	0.1°	13 / 330
6601-14	5 to 15°	0.1°	13 / 330
6601-15	15 to 25°	0.1°	13 / 330



6601-15

Brix Hydrometers with °C Thermometers

Brix Hydrometers are calibrated to show the percentage of sucrose by weight at 20°C/68°F

The Brix scale is based on the following: 1°Brix = 1% sucrose by weight at the specified temperature (20°C/68°F)

- The thermometer includes a correction scale printed opposite the temperature scale for conversion of the reading to 20°C/68°F

Brix Hydrometers with °C Thermometers

Item No.	Brix Range	Subdivisions	Approx. Length *(in/mm)*	Thermometer Range	Thermometer Subdivision	Thermometer Liquid Fill
6601TS-1	0 to 12°	0.1°	14.5 / 370	0 to 50°C	1°C	SafetyBLUE
6601TS-2	9 to 21°	0.1°	14.5 / 370			
6601TS-3	19 to 31°	0.1°	14.5 / 370			
6601TS-4	29 to 41°	0.1°	14.5 / 370			
6601TS-5	39 to 51°	0.1°	14.5 / 370			
6601TS-6	49 to 61°	0.1°	14.5 / 370			
6601TS-8	69 to 81°	0.1°	14.5 / 370			
6601TS-10	0 to 35°	0.5°	14.5 / 370			
6601TS-12	0 to 70°	1.0°	14.5 / 370			
6601TS-13	-5 to 5°	0.1°	14.5 / 370			
6601TS-14	5 to 15°	0.1°	14.5 / 370			
6601TS-15	15 to 25°	0.1°	14.5 / 370			



6601TS-2

Brix Hydrometers with °F Thermometers

Brix Hydrometers are calibrated to show the percentage of sucrose by weight at 20°C/68°F

The Brix scale is based on the following: 1°Brix = 1% sucrose by weight at the specified temperature (20°C/68°F)

- The thermometer includes a correction scale printed opposite the temperature scale for conversion of the reading to 20°C/68°F

Brix Hydrometers With °F Thermometers

Item No.	Brix Range	Subdivisions	Approx. Length *(in/mm)*	Thermometer Range	Thermometer Subdivision	Thermometer Liquid Fill
6601TS-1F	0 to 12°	0.1°	14.5 / 370	30 to 130°F	2°F	SafetyBLUE
6601TS-2F	9 to 21°	0.1°	14.5 / 370			
6601TS-3F	19 to 31°	0.1°	14.5 / 370			
6601TS-10F	0 to 35°	0.5°	14.5 / 370			
6601TS-13F	-5 to 5°	0.1°	14.5 / 370			



6601TS-1F

Calcium Chloride (CaCl2) Specific Gravity/Freezing Point Hydrometer

This hydrometer measures the specific gravity and freezing point of calcium chloride in solution

- Calibrated for use at 15°C/60°F

Calcium Chloride (CaCl2) Specific Gravity/Freezing Point Hydrometer

Item No.	Range	Subdivisions	Approx. Length *(in/mm)*
6611-3	1.000 to 1.280 Specific Gravity	0.002	12 / 305
	+30 to -40°F Freezing Point	5°	



6611-3

Sodium Chloride Hydrometers

Measure the percentage of sodium chloride in solution with these hydrometers

Model 6611-1 measures the % saturation of sodium chloride in solution; Model 6611-2 measures the % by weight of sodium chloride in solution.

- Calibrated for use at 15°C/60°F

Sodium Chloride Hydrometers

Item No.	Range	Subdivisions	Approx. Length *(in/mm)*
6611-1	0 to 100% saturation	1.0%	12 / 305
6611-2	0 to 26.5% by weight	0.5%	12 / 305

6611-1

Specific Gravity, also known as relative density, is the ratio of the mass of a liquid to the mass of an equal volume of distilled water.

Ultra-Precision Specific Gravity Hydrometers

Featuring smaller ranges and higher resolution, with subdivisions of 0.0005

- Calibrated for use at 15°C/60°F

Ultra-Precision Specific Gravity Hydrometers

Item No.	Specific Gravity Range	Subdivisions	Approx. Length *(in/mm)*
6602-2	0.700 to 0.770	0.0005	13 / 330
6602-3	0.760 to 0.830	0.0005	13 / 330
6602-4	0.820 to 0.890	0.0005	13 / 330
6602-5	0.880 to 0.950	0.0005	13 / 330
6602-6	0.940 to 1.010	0.0005	13 / 330
6602-7	1.000 to 1.070	0.0005	13 / 330
6602-8	1.060 to 1.130	0.0005	13 / 330
6602-9	1.120 to 1.190	0.0005	13 / 330
6602-10	1.180 to 1.250	0.0005	13 / 330
6602-11	1.240 to 1.310	0.0005	13 / 330
6602-12	1.300 to 1.370	0.0005	13 / 330
6602-13	1.360 to 1.430	0.0005	13 / 330
6602-14	1.420 to 1.490	0.0005	13 / 330
6602-15	1.480 to 1.550	0.0005	13 / 330
6602-19	1.720 to 1.790	0.0005	13 / 330



6602-7

Precision Specific Gravity Hydrometers

Precision Specific Gravity Hydrometers feature subdivisions from 0.001 to 0.01

- Calibrated for use at 15°C/60°F

Precision Specific Gravity Hydrometers

Item No.	Specific Gravity Range	Subdivisions	Approx. Length *(in/mm)*
6603-10	0.700 to 0.810	0.001	12 / 305
6603-11	0.800 to 0.910	0.001	12 / 305
6603-12	0.900 to 1.000	0.001	12 / 305
6603-1	1.000 to 1.220	0.002	12 / 305
6603-2	1.200 to 1.420	0.002	12 / 305
6603-3	1.400 to 1.620	0.002	12 / 305
6603-4	1.600 to 1.820	0.002	12 / 305
6603-5	1.800 to 2.020	0.002	12 / 305
6603-21	2.200 to 2.420	0.002	12 / 305
6603-22	2.400 to 2.620	0.002	12 / 305
6603-13	0.650 to 1.000	0.005	12 / 305
6603-6	1.000 to 1.600	0.005	12 / 305
6603-7	1.000 to 2.000	0.010	12 / 305
6603-8	2.000 to 3.000	0.010	12 / 305
6603-9	3.000 to 4.000	0.010	12 / 305



6603-1

Precision Specific Gravity Hydrometers with Thermometer

No need for a separate thermometer to check liquid temperature

- These Hydrometers feature an internal thermometer for calculating temperature corrections
- Calibrated for use at 15°C/60°F

Precision Specific Gravity Hydrometers with Thermometer

Item No.	Specific Gravity Range	Subdivisions	Approx. Length *(in/mm)*	Thermometer Range	Thermometer Subdivision	Thermometer Liquid Fill
6602TS-7	1.000 to 1.070	0.001	15 / 385	20 to 150°F	2°F	SafetyBLUE
6602TS-8	1.060 to 1.130	0.001	15 / 385			
6603TS-1	1.000 to 1.220	0.002	12 / 305			



6602TS-7

Precision Short-Form Specific Gravity Hydrometers

Short-Form Hydrometers use less volume of the test liquid, while still offering 0.001 resolution

- Calibrated for use at 15°C/60°F

Precision Short-Form Specific Gravity Hydrometers

Item No.	Specific Gravity Range	Subdivisions	Approx. Length *(in/mm)*
6602-4S	0.820 to 0.890	0.001	6.5 / 165
6602-5S	0.880 to 0.950	0.001	6.5 / 165
6602-6S	0.940 to 1.010	0.001	6.5 / 165
6602-7S	1.000 to 1.070	0.001	6.5 / 165
6602-8S	1.060 to 1.130	0.001	6.5 / 165
6602-9S	1.120 to 1.190	0.001	6.5 / 165
6602-10S	1.180 to 1.250	0.001	6.5 / 165



6602-7S

ASTM Specific Gravity Hydrometers

Manufactured to the specifications of the American Society for Testing and Materials (ASTM)

Select the hydrometer that you need by matching the ASTM number shown in the table.

- Calibrated for use at 15°C/60°F

ASTM Specific Gravity Hydrometers

Item No.	ASTM No.	Specific Gravity Range	Subdivi-sions	Approx. Length *(in/mm)*
67111H	111H	1.000 to 1.050	0.0005	13 / 330
67112H	112H	1.050 to 1.100	0.0005	13 / 330
67113H	113H	1.100 to 1.150	0.0005	13 / 330
67114H	114H	1.150 to 1.200	0.0005	13 / 330
67115H	115H	1.200 to 1.250	0.0005	13 / 330
67116H	116H	1.250 to 1.300	0.0005	13 / 330
67117H	117H	1.300 to 1.350	0.0005	13 / 330
67118H	118H	1.350 to 1.400	0.0005	13 / 330
67119H	119H	1.400 to 1.450	0.0005	13 / 330
67120H	120H	1.450 to 1.500	0.0005	13 / 330

ASTM Specific Gravity Hydrometers

Item No.	ASTM No.	Specific Gravity Range	Subdivisions	Approx. Length *(in/mm)*
67125H	125H	1.000 to 1.050	0.001	12 / 260
67126H	126H	1.050 to 1.100	0.001	12 / 260
67127H	127H	1.100 to 1.150	0.001	12 / 260
67128H	128H	1.150 to 1.200	0.001	12 / 260
67129H	129H	1.200 to 1.250	0.001	12 / 260
67130H	130H	1.250 to 1.300	0.001	12 / 260
67131H	131H	1.300 to 1.350	0.001	12 / 260
67132H	132H	1.350 to 1.400	0.001	12 / 260
67133H	133H	1.400 to 1.450	0.001	12 / 260
67134H	134H	1.450 to 1.500	0.001	12 / 260

67125H



Wide-Range Specific Gravity Hydrometers

Ideal when you aren't sure of the approximate value of your liquid

- Also use for multiple liquids with different specific gravity within the range of the hydrometer, allowing multiple uses with one unit
- Calibrated for use at 15°C/60°F

Wide-Range Specific Gravity Hydrometers

Item No.	Specific Gravity Range	Subdivisions	Approx. Length *(in/mm)*
6604-1	1.000 to 1.250	0.005	6.5 / 165
6604-2	1.200 to 1.450	0.005	6.5 / 165
6604-3	1.400 to 1.650	0.005	6.5 / 165
6604-4	1.600 to 1.850	0.005	6.5 / 165
6604-5	1.800 to 2.050	0.005	6.5 / 165

6604-1



Universal Specific Gravity Hydrometer

Ideal when you aren't sure of the approximate value of your liquid

This dual-scale model measures specific gravity and Baume. Also use for multiple liquids with different readings, allowing multiple uses with one hydrometer.

- Calibrated for use at 15°C/60°F

Universal Specific Gravity Hydrometer

Item No.	Specific Gravity Range	Subdivisions	Baume Range	Subdivisions	Approx. Length *(in/mm)*
6605-1	0.700 to 2.000	0.005 (from 0.7 to 1.0); 0.01 (from 1.0 to 2.0)	0 to 72° (Heavy); 70 to 10° (Light)	1°	15 / 380



6605-1

Dual Scale Specific Gravity / Baume Hydrometers

Dual-Scale Hydrometers have two scales on the stem, covering different applications in one unit

The Baume scale has two different scales: one for liquids heavier than water and one for liquids lighter than water. See table below for Baume ranges.

- Calibrated for use at 15°C/60°F

Dual Scale Specific Gravity / Baume Hydrometers

Item No.	Specific Gravity Range	Baume Range	Subdivisions	Approx. Length *(in/mm)*
6603DS-1	1.000 to 1.220	0 to 26° (Heavy)	0.002 / 0.2°	12 / 305
6603DS-1S	1.000 to 1.225	0 to 26° (Heavy)	0.005 / 1°	12 / 305
6603DS-2	1.200 to 1.420	24 to 42° (Heavy)	0.002 / 0.2°	12 / 305
6603DS-2S	1.200 to 1.425	24 to 42° (Heavy)	0.005 / 1°	12 / 305
6603DS-3	1.400 to 1.620	42 to 55° (Heavy)	0.002 / 0.2°	12 / 305
6603DS-4	1.600 to 1.820	55 to 65° (Heavy)	0.002 / 0.2°	12 / 305
6603DS-5	1.800 to 2.020	64 to 72° (Heavy)	0.002 / 0.2°	12 / 305
6603DS-6	1.000 to 1.450	0 to 45° (Heavy)	0.005 / 0.5°	12 / 305
6603DS-6S	1.000 to 1.400	0 to 41° (Heavy)	0.010 / 1°	12 / 305
6603DS-7	1.000 to 2.000	0 to 72° (Heavy)	0.010 / 1°	12 / 305
6603DS-13	0.600 to 1.000	10 to 100° (Light)	0.005 / 1°	12 / 305
6603DS-04	0.70 to 1.00	10 to 70° (Light)	0.01 / 1°	6.5 / 165



6603DS-1

Liquid Petroleum Gas (LPG) Specific Gravity Hydrometer with Thermometer

LPG Hydrometers measure the specific gravity of LPG such as propane, butane, and other light hydrocarbons

Includes an internal thermometer for temperature measurement.

- Calibrated for use at 15°C/60°F

Liquid Petroleum Gas (LPG) Specific Gravity Hydrometer with Thermometer

Item No.	Specific Gravity Range	Subdivisions	Approx. Length *(in/mm)*	Thermometer Range	Thermometer Subdivision	Thermometer Liquid Fill
67101HTS	0.500 to 0.650	0.001	14.4 / 365	30 to 90°F	1°F	SafetyBLUE



67101HTS

Soil ASTM Specific Gravity Hydrometer

Measure the specific gravity of soil samples in suspension

Often used with a sedimentation cylinder for soil analysis.

- Calibrated for use at 20°C/68°F

Soil ASTM Specific Gravity Hydrometer

Item No.	ASTM No.	Specific Gravity Range	Subdivisions	Approx. Length *(in/mm)*
67151H	151H	0.995 to 1.038	0.001	11 / 280



67151H

Soil ASTM Soil Colloids Hydrometer

Measure the amount of soil colloids in grams of soil samples in suspension

Often used with a sedimentation cylinder for soil analysis.

- Calibrated for use at 20°C/68°F

Soil ASTM Soil Colloids Hydrometer

Item No.	ASTM No.	Soil Colloids Range	Subdivisions	Approx. Length *(in/mm)*
67152H	152H	-5 to 60g	1.0	11 / 280



67152H

Hydrometer Cases

PVC Hydrometer Cases help protect your hydrometer from damage

Ideal for storing your hydrometer when not in use, these cases feature a foam or felt padded insert and padded bottom and cap.



Hydrometer Cases

Item No.	Description	Approx. Length *(in/mm)*
66CS-8	PVC Case	8.5 / 216
66CS-8F	PVC Case, short	8.5 / 216
66CS-13	PVC Case	13.5 / 343
66CS-13J	PVC Case, wide-body	13.5 / 343
66CS-16	PVC Case	16.5 / 420

Hydrometer Jars

Made of borosilicate glass, these jars feature a beaded rim and a circular base

Sized properly to eliminate surface tension effects that lead to inaccurate readings.

- Model 21050-1000-L and 21000-1000-L have a graduation line at 1000 mL for precise filling and are used as a sedimentation cylinder



21050-1000-L

Hydrometer Jars

Item No.	Description	Maximum Hydrometer Length *(mm)*
21050-100	100 mL Hydrometer Jar	185
21050-250	250 mL Hydrometer Jar	280
21050-500	500 mL Hydrometer Jar	360
21050-600	600 mL Hydrometer Jar	390
21050-1000	1000 mL Hydrometer Jar	400
21050-1000-L	1000 mL Hydrometer Jar with Graduation Line	400
21000-1000-L	1000 mL Hydrometer Jar with Graduation Line	385

Hydrometer Cases & Jars: Reference Guide

Hydrometer Cases & Jars Reference Gulde

Hydrometer Series	Description	Approx. Length *(mm)*	Uses Case	Uses Jar
6601-Series	Brix	330	66CS-13	21050-500
6601TS-Series	Brix w/Thermometer	370	66CS-16	21050-600 or -1000
6602, 6603-Series	Specific Gravity	305	66CS-13	21050-500
6603DS-Series	Specific Gravity & Baume	305	66CS-13	21050-500
6604-Series	Specific Gravity	165	66CS-8F	21050-100
6605-1	Specific Gravity & Baume: Universal	380	66CS-16	21050-600 or -1000
6609-Series	Baume: Heavy	305	66CS-13	21050-500
6611-Series	Salt	305	66CS-13	21050-500
6612-1	Alcohol: Tralle and Proof	305	66CS-13	21050-500
6612-2TS	Alcohol: Tralle and Proof w/Thermometer	355	66CS-16	21050-600 or -1000
6613-Series	Alcohol: Proof, IRS	230-305	66CS-13J	21050-250 or -500
6614TS-Series	Plato w/Thermometer	360-380	66CS-16	21050-600 or -1000
675xHTS-Series	API, ASTM w/Thermometer	380	66CS-16	21050-600 or -1000
67111H-67134H	Specific Gravity: ASTM	260-330	66CS-13	21050-250 or -500
67101HTS	LPG w/Thermometer	365	66CS-16	21050-600 or -1000
6715xH	Specific Gravity or Soil Colloids: ASTM	280	66CS-13J	21050-250 or -500

5 Year Warranty

Battery and Filter not included in warranty



Soft-Coated Triggers
with direction indicators

Ergonomically Balanced
in the hand with a loaded pipette

Universal Grip
for right- or left- handed users

Adapter
for small pipettes

Easy Identification
5 different colored nose cones help differentiate department, task or user; as well as a labeling area on the side of the unit



Magnetic & Screw Wall-Mount



3 Modes
Bright LEDs indicate 3 operation modes: high, low, & gravity



RF3000®

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

- Long-life li-ion battery, with quick charge–up to 20 hours use
- Toggle operation by pressing the large mode button
- An adapter can be fitted to the nose cone to stabilize small volume and thinner pipettes
- New USB connecter ensures the appropriate charger is used with the unit
- Low-battery indicator
- Can be recharged when in use

AUTOCLAVABLE 121° C

Nose cone assembly only



Storage Stand
doubles as a charging station

Item No.	Volume Range *mL*	L x W x H *in*	L x W x H *cm*
HS3000	1–100	9 x 8.5 x 5	22.9 x 21.6 x 12.7

Replacement parts	
HS5000RFFIL	RF3000® Replacement Filters, *Pack of 5*
120669	RF3000® Universal Power Adaptor 5VDC Micro USB Plug
HS300502	RF3000® Li-Ion Rechargeable Battery, One year warranty on battery included
120487	RF3000® Nose Cones Assorted* ■ ■ ■ ■ ■ *Set of 5*
HS5000RFRFA	RF3000® Replacement Filter Adapter
HS5000RFRP	RF3000® Replacement Pipette Silicone Adapter

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

Specifications	
Power	Micro-USB connector Rechargeable li-Ion battery (replaceable)
Filter	PTFE/25mm dia/0.45 µm filter
Pipettes	1–100 mL, glass and plastic
Pipette Nozzle	Polypropylene

CE SGS RoHS Compliant UK CA

Package Includes
RF3000® Pipette Controller
Charging Stand and Wall-Mountable/Magnetic Holder
Nozzle Adapter for use with Small Pipettes
Li-Ion Rechargeable Battery
Five Nose Cones: Black, Yellow, Red, Grey and Blue
5VDC Micro USB Plug
6 ft (183 cm) Cable
1 Low Voltage, Double Insulated Power Adapter (100-240 VAC, 50/60 Hz) with 4 Interchangeable Plugs

Pipette Controller

Precise fluid control at your finger tips

Comfortable to hold and easy to use, the manual inline pipette controller was designed with an ergonomic grip and bulb for simple and precise operation

A T-bar thumb lever controls the aspirating and dispensing speeds from serological pipettes from 1 to 100 mL in size

- Conveniently accommodates either glass or plastic serological or volumetric pipettes ranging from 1–100 mL
- Includes a replaceable .45 µm hydrophobic filter to protect your samples and internal components

AUTOCLAVABLE 121° C

Nose cone assembly only

Item No.	Color	Volume Range *mL*	L x W x H *in*	L x W x H *cm*
120479	Blue ■	1–100	9 x 2.1 x 2.1	23 x 5.4 x 5.4

Replacement Parts

Item No.	Description	Color
120604	Three Noses Cone with Adapter	Green, White, Blue ■ □ ■

Operation Is Simple:

Squeeze the bulb
to create a vacuum to draw up fluid

Push the control lever backward (up)
to aspirate liquid through a pipette

Push the control lever forward (down)
to dispense the liquid

Press the central bulb on the unit
to blow out any remaining fluid if necessary



1 Year Warranty

Filter not included in warranty



Stay Organized
with three additional nose cones (green, white, blue) for color identification for both the Pipette Controller & RF1000



1 Year Warranty

Filter not included in warranty

RF1000

Lightweight and easy to use

The RF1000 manual pipette controller 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 ranging 1–100 mL and is replaceable
- Includes a replaceable .45 µm hydrophobic filter to protect your samples and internal components

AUTOCLAVABLE 121° C

Nose cone assembly only

Item No.	Color	Volume Range *mL*	L x W x H *in*	L x W x H *cm*
HS1000RFU	Blue ■	1–100	7.1 x 1.8 x 4.7	18 x 4.5 x 12

Replacement Parts

Item No.	Description	Color
HS5000RFFIL	Replacement Filters, *Pack of 5*	
120604	Three Noses Cone with Adapter	Green, White, Blue ■ □ ■

pearl pipettes™
precision pipetting at your fingertips

1 Year Warranty

Pearl® Adjustable Volume Pipettes

Precision liquid handling

A complete range of single- and multi-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 calibrated and a calibration certificate is supplied. Manufactured in accordance with ISO8655 and GMP regulations

- Internal metal parts for increased accuracy and calibration stability
- Separate tip ejector with the exception of the 500 mL (120105)
- Large digit volume display

AUTOCLAVABLE 121° C

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

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

Finger hook

3-Position volume display

Volume Locking Ring
prevents accidental volume changes









Color Coded & Labeled
with volume range (Both top & side colored components for quick visual confirmation)

Precision Metal Components
for both shaft and barrel ensure reliable performance and long life

No. of Channels	Item No.	Color	Volume Range µL
Single	120097	Green	0.1–2 µL
	120098	Lt. Blue	0.5–10 µL
	120099	Lt. Purple	2–20 µL
	120100	Orange	5–50 µL
	120101	Blue	10–100 µL
	120102	Yellow	20–200 µL
	120103	Purple	30–300 µL
	120104	Blue	100–1,000 µL
	120105	Pink	500–5,000 µL
	120106	Red	1,000–10,000 µL
Eight	120215	Orange	5–50 µL
	120216	Purple	30–300 µL
Twelve	120217	Orange	5–50 µL
	120218	Purple	30–300 µL

CE UKCA



Pipette Starter Kit

Universal Carousel Pipette Stand

Hold and store pipettes in style with the Universal Carousel Pipette Stand by Heathrow Scientific that holds up to 8 single-channel, 4 multi-channel, or a combination of both pipettes

A sleek and modern design enables this stand to securely hold virtually every known brand of pipette in the marketplace making it truly 'universal' while adding a pop of color to a bench top

Reagent Reservoirs

Multi-channel reservoirs by Heathrow Scientific 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

Pearl® Pipettes

Pearl Pipettes by Heathrow Scientific were specifically engineered for ease of use and comfort

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 calibrated and a calibration certificate is supplied

Manufactured in accordance with ISO8655 and GMP regulations



Pipette Starter Kit Item No. 120554

Universal Carousel Pipette Stand *For more information see page 67*

Upper Holder Color	Lower Holder Color	Base Width *in*	Top W x H *in*	Base Width *cm*	Top W x H *cm*
Assorted/Clear	Clear	6.2	9 x 16.1	15.8	22.9 x 40.8

*Assorted colors (Purple, Blue, Green, Grey, Red Orange, Yellow and Clear)

Pearl® Pipettes - Single Channel *For more information see page 40*

Color	Volume Range *µL*
Lt. Purple	2–20 µL
Yellow	20–200 µL
Blue	100–1,000 µL

Reagent Reservoirs *For more information see page 73*

Color	Volume *mL*	Material	Sterility	L x W x H *in*	L x W x H *cm*	
White	50	Polystyrene	Sterile	4 x 1.1 x 1.2	10.2 x 2.8 x 3	*Pack of 5*

*All parts available separately



eCount

Rapid, accurate colony counter

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

- Light, ergonomic body 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

5 Year Warranty

Battery and Pen not included in warranty



Lock Counter Off
to allow use of the marker without registering more counts

Package Includes:

- eCount Colony Counter
- Black Sharpie® Pen (Page 48)
- Long-life button battery included
- Hand tally Adapter
- Weighted Stand

RoHS Compliant

US Patent No. D564,385
EP Registered Design No. 705751-0001

Item No.	L x W *in*	L x W *cm*
120000	7.4 x 1.2*	17 x 3*
120228	CR1225 Battery	

*Measurements shown are with Sharpie® Pen inserted



eCount with Mini-Light Box with Mini-Magnifier, page 43



Weighted Stand
for bench top use

Hand Tally Adapter
allows you to use the eCount as a digital tally counter





Mini-Light Box and Mini-Magnifier

Perfect accessories for the eCount or use as stand-alone items

Mini-Light Box

1 Year Warranty

- LED Light source. Color temperature 5,300K +/- 270K
- Viewing area (125 x100 mm) is perfect for quick screening of 96-well plates, petri dishes, electrophoresis gels, slides, and transparencies
- Powered by six 1.5V AAA batteries (included), not included in warranty

Mini-Magnifier

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

Item No.	Description	L x W x H *in*	L x W x H *cm*
120661	Mini-Light Box*	6.2 x 5.9 x 0.6	15.8 x 15 x 1.4
HS15092D	Mini-Magnifier	6.3 x 5.3 x 8.1	16.1 x 13.5 x 20.7

*Batteries included



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

Item No.	Dia. x W *in*	Dia. x W *cm*
HS6594	1.8 x 1.6	4.6 x 4.1



Benchtop Counters

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

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

Item No.	No. of Keys	L x W x H *in*	L x W x H *cm*
HS5360A	6-Key	9.8 x 3 x 2.2	25 x 7.6 x 5.6
HS5360B	9-Key	12.5 x 3 x 2.2	32 x 7.6 x 5.6

Workstation Essentials

Products necessary for workflow efficiency and keeping your work space clean and organized



Lab Mats

Notebooks & Timers

Drying Racks

Organization

Curiosity drives us beyond yesterday's way of thinking:

We are an inquisitive bunch focused on understanding the lab science world and how to make a difference.

We change, we adapt and we expect creative thinking and solutions from everyone we align with.

We don't just make lab products, we make the work lab professionals do easier, more efficient and more fun.





Reusable Lab Mats

Sustainable, Safe Solutions

Reusable lab mats are an essential lab solution to help keep benchtops organized and clean

They help facilitate workflow processes and are ideal for every type of laboratory

Save Money & Eliminate Waste

- Since the lab mats are reusable, they reduce cost and waste making it a more environmentally friendly option over the alternative paper mats

Adds Stability & Safety

- These mats offer a large working surface that is anti-skid which keeps delicate glassware and expensive equipment in place
- The mat's surface is also noise dampening, reducing sound from the vibration of common benchtop equipment
- Made from durable food grade silicone, they are chemically resistance and have a raised edge to contain chemical spills

Easy to Clean & Store

- When the mats are done being used, they can be easily cleaned using any standard disinfectant by simply wiping it, or putting it in a dishwasher and it's ready for repeated use

Workstation Lab Mat

Safely facilitate workflow processes

- Protect counter tops from hot items up to 200°C (392°F)
- Lip around the edge can hold approx. 250 mL of liquid
- Small footprint, 12 x 14.9 x 0.1 in (30.5 x 37.9 x 0.2 cm)

AUTOCLAVABLE 121° C





Gridded Surface
for tube staging, preventing movement of objects

Reversible
Side One: combination gridded and smooth surface
Side Two: smooth surface only





Item No.	Color	L x W x H *in*	L x W x H *cm*
120747	Blue ■	12 x 14.9 x 0.1	30.5 x 37.9 x 0.2
120748	Purple ■		

Silicone Lab Mat

Large working space

The lab mat can be used with items such as centrifuges, vortex mixers, hot plates, stirrers, pipettes and so much more

- Mat features designated magnetic area to keep stir bars in place
- Protect countertops from hot items up to 200°C (392°F)

AUTOCLAVABLE 121° C

Large Working Surface
accommodates benchtop equipment, weigh boats, stir bars, scales, etc.

Raised Edges
enable liquid retention of approximately 300 mL of fluid









Item No.	Side #1 Color	Side #2 Color	L x W x H *in*	L x W x H *cm*
120506	Yellow ■	Grey/Blue ■■		
120507	Purple ■	Purple/Grey ■■	14 x 23.5 x 0.1	35 x 60 x 0.2
120599	Blue ■	White/Blue □■		

Laboratory Notebooks

Keep information safe and well organized with Laboratory Notebooks

Record research data, experimental procedures, design and development ideas and more

- Quality Smyth Sewn binding holds pages securely and lies flat when opened
- Made of acid-free paper, pages are numbered and include space for title, date, project number, book number, date and witness signature
- User data, notebook instructions, table of contents, periodic table, and conversion tables are included in every book



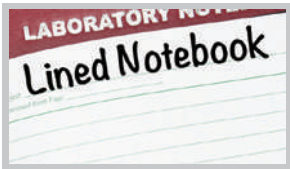
Keep Information Safe
with a durable hardbound, water-resistant cover

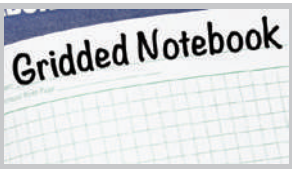
Easy Identification
with a foil stamped title

Marker Ribbon
to keep your place

Case of 12

Item No.	Color	Pages	Page Format.	L x W *in*	L x W *cm*
HS8610A	Black ■	100	Grid	8.6 x 11.1	21.8 x 28.1
HS8610B	Blue ■	200			
HS8610D	Red ■	200	Lined		
HS8610E	Black ■	100			





2 Page Formats
- Grid: 6 x 6 mm grid size
- Lined: college-ruled pages for easy report writing





Twin Tip & Fine Tip Sharpie® Permanent Pens

Ink dries quickly and resists both fading and water

- Pen has a fine and an ultra fine tip and comes in a bright selection of colors
- Ink dries quickly and resists both fading and water
- AP certified

Item No.	Description	Color
HS15094	Twin Tip Marker Set, *Pack of 8*	Assorted ■■■■■■■■
HS15092ZP	Fine Point Marker, *Pack of 12*	Black ■

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

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

Lab Alert® Clocks & Timers

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

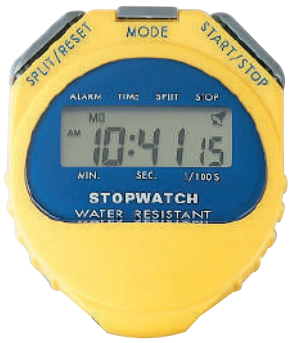


4-way Timer with Whiteboard/Pen

- 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

	Item No.	No. of Channels	Timing Capacity	Count Direction	Display Digits, H *mm*	Battery Included	L x W x H *in*	L x W x H *cm*
a	**HS24490D**	Four	100 hr.	Up/Down	6	One LR44 1.5V	2.4 x 2.8 x 1	6.1 x 7.1 x 2.5
b	**HS24490M**	Three	20 hr.	Up/Down	10.5	One AAA	3.4 x 2.6 x 0.9	8.6 x 6.6 x 2.2
c	**120365**	Four	24 hr.	Up/Down	10	Two AAA	4.8 x 3.4 x 0.9	12.3 x 8.6 x 2.1
d	**HS24645**	One	24 hr.	Up	8.5	One LR44 1.5V	3.4 x 3.1 x 0.8	8.7 x 7.8 x 2.1
e	**HS24670**	Four	99 hr.	Down	14	Two LR44 1.5V	2.9 x 2.3 x 0.5	7.3 x 5.9 x 1.3

d



Multi-function Stopwatch/Clock

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

e



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

Lab Drying Rack

Bringing color to a mundane task

Most Versatile Rack in the market

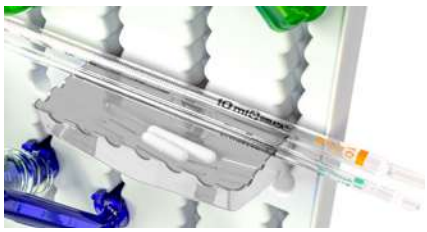
- Channels designed for more useful configurations
- Large and Small pegs for all glassware varieties
- One of a kind Drying Basket to collect smaller items

Designed to protect against breakage

- Peg angle allows for better hold - especially large, heavy pieces
- Patent Pending SureGrip Hook securely grips glassware into place

Included:

- 72 Pegs ~ 36 Small (Green) ~ 36 Large (Blue)
- 2 Drying Baskets
- Drainage Tubing
- Mounting Hardware



Drying Basket
to keep small items and slotted to hold pipets safe while drying



SureGrip Hook
Patent-pending design securely grips glassware into place



Use on counter or wall
Stands alone on integrated hinged stand. Mounts easily on wall with included guide and hardware

Can hold up to 77 lbs
(34.9 kg)

Rack made of durable polystyrene



Lab Drying Rack

Item No.	L x W x H *in*	L x W x H *cm*
120791	17.4 x 26 x 5.5	44.1 x 66 x 13.9

Replacement Parts

Item No.	Description
120793	Peg 10 Piece Kit, (5) Small, (5) Large
120792	Drying Basket Kit, 2 ea
120813	Replacement Draining Set, Tube and Elbow

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, HDPE-coated steel wire for durability with polystyrene tray and back
- Easily accessible and removable bottom drainage pan



Removable Drip Pan
helps retain and dispose of excess water



Item No.	L x W x H *in*	L x W x H *cm*
HS23243A	18.2 x 7.4 x 20.7	46.2 x 18.2 x 52.5

Workstation Lab Mat

Keep glassware in place while drying



Workstation Lab Mat, Page 47

Peg Racks

Perfect for drying small items

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

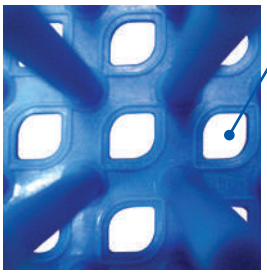
- Use in sink or on countertop
- Sturdy pegs hold items in place

AUTOCLAVABLE 121° C





Pack of 2



Open tear drop wells allow for water to drain

Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
HS24311A	White ☐	10	50	14–17	7.4 x 4.1 x 2.7	18.8 x 10.4 x 6.9
HS24311B	Blue ■					
HS24312A	White ☐	7	96	10–13	3.2 x 5 x 2.7	8.2 x 12.6 x 6.9
HS24312B	Blue ■					





MagLab

Magnetic lab storage series

Easily organize common lab products off your bench top with the MagLab storage system

Vibrant & Functional

- Made of robust ABS plastic in bright translucent colors
- Secure direct to metal with built-in powerful magnets or non-metal surfaces with included self-adhesive mounting plate
- Available individually or as a pack of four

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



Magnetic
Includes self-adhesive mounting plates that adhere to any surface

Item No.	Description	Color	L x W x H *in*	L x W x H *cm*
HS23500	MagLab Series, *Pack of 4*	Assorted ■■■■*	—	—
HS23502	MagWipe	Green ■	5.1 x 3.5 x 3.8	13 x 9.1 x 9.8
HS23503	MagPette	Purple ■	5.1 x 4.4 x 2.9	13.1 x 11.2 x 7.6
HS23504	MagBox	Orange ■	5.1 x 3 x 4	13 x 7.8 x 10.2

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

Workspace Organization

Studies* show that by clearing clutter from your work environment, you are better able to focus and process information, resulting in increased productivity.

**Princeton University Neuroscience Institute*



Workstation Organizer

Keeps supplies organized and easily accessible

For easy access to items on counter, shelf or inside drawer

- Protect fragile items and contain small items



Item No.	Color	L x W x H *in*	L x W x H *cm*
HS2538A	White ☐	17.9 x 12.1 x 2.5	45.5 x 30.7 x 6.3

Compartments	L x W *in*	L x W *cm*
2 Small Compartments	17 x 3.1	43 x 8
1 Large Compartment	17 x 4.3	43 x 11



Workstation Dispensing Bins

Clear acrylic 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

MADE IN USA

Item No.	Color	Compartments	L x W x H *in*	L x W x H *cm*
HS23401	Clear ☐	1	7.2 x 7.6 x 9.1	18.4 x 19.4 x 23.2
HS23402		2	5.9 x 6.9 x 14.4	15 x 17.7 x 36.8
HS23403		3	8.5 x 6.6 x 8.5	21.7 x 17 x 21.7
HS23404		4	11.3 x 6.6 x 8.5	28.7 x 17 x 21.7

Tubby® Storage Container

Sturdy storage tub with lid and dividers

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

Pack of 5

Item No.	L x W x H *in*	L x W x H *cm*
HS23453	13 x 7.9 x 4.5	33 x 20 x 11.5



Constructed of high-impact polypropylene

More Dispensers for organization and to keep safety PPE products at the ready



Workstation Storage Bin, Page 137



Pipette Workstation, Page 70



Modular Glove Box Holders, Page 138

Test Tube Basket

Ideal for washing and storing test tubes

Strong basket for use with mechanical washers and autoclaves

- Basket for use in washers, autoclaves or for storage of lab consumables
- Made from aluminum

AUTOCLAVABLE 121° C

Item No.	L x W x H *in*	L x W x H *cm*
HS20341B	10 x 6 x 6	25.6 x 15.2 x 15.2



Sample Collection & Transport

Make everyday easier and safer with products for sample and blood collection



Portable Trays

Totes & Transports

Clinical Tube Racks

Sample Trays & Racks



Ratcheting Handle
folds out of the way for easy access, even over tall sharps containers



Tray Inserts
come in two configurations and include an extra-deep compartment for a sharps container



Disposable **Insert A**
for 13 mm tube rack



Disposable **Insert B**
for 16 mm tube rack

Droplet Blood Collection Tray

Designed with phlebotomists in mind

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

- Multiple compartments keep a variety of supplies neatly at hand, and organized
- Built in side pockets offer additional storage space
- Handle includes soft rubber grip to reduce hand and finger strain
- Each tray includes either a 13 or 16 mm Heathrow OneRack® tube rack (page 104) and two disposable polystyrene inserts

Droplet Configurations

US Patent No. D544703

Item No.	Tray Insert	Tube Rack *mm*	L x W x H *in*	L x W x H *cm*	Handle Height *in*	Handle Height *cm*
HS2200A	HS2201A	13	16.8 x 10.4 x 6.7	42.9 x 26.5 x 17.2	11	28
HS2200B	HS2201B	16				

Droplet Inserts

Pack of 4

Item No.	Description	L x W *in*	L x W *cm*
HS2201A	Tray insert for 13 mm tube rack	14.2 x 8.2	36 x 21
HS2201B	Tray insert for 16 mm tube rack		



Keeps contents clean and secure

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

Item No.	Color	L x W x H *in*	L x W x H *cm*
HS2202	White	16.5 x 9.4 x 8	42 x 24 x 20.5

X-tourn® Tourniquets

Hi-viz orange alert for safer practice

High-quality disposable tourniquets eliminate roping or curling when used

- Made from supple and smooth polyisoprene
- Latex free
- Less abrasive than other brands
- No rubber proteins, resins or fatty acids that can produce hypersensitive reactions
- Available in bulk or on a perforated roll

Item No.	Color	Packaging	L x W *in*	L x W *cm*
120108	Green	100/Bulk	18 x 1	45.7 x 2.5
120110	Orange	250/Bulk	18 x 1	45.7 x 2.5
120111	Orange	25 Rolls	18 x 1	45.7 x 2.5



Uniform Thickness
prevents shredding and breaking





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 requirements with the dividers provided
- Comfort grip on durable acetal plastic handle tested to hold up to 10 kg

Item No.	L x W x H *in*	L x W x H *cm*	Handle Height *in*	Handle Height *cm*
120261	16.4 x 12.2 x 3.3	41.9 x 31.1 x 8.5	9.4	24.1



Functional
Comes with a 17 mm well, 60-place, tube rack



For safe disposal of syringes, needles and other small sharps see our Sharps Containers



1 L Capacity
with a clear lid to view fill level



Compatible with
the Droplet blood collection tray & Totemax® blood collection tray

Sharps Containers, Page 135



Totemax® Blood Collection Tray

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 rails, foot-boards and handrails found in a typical patient room

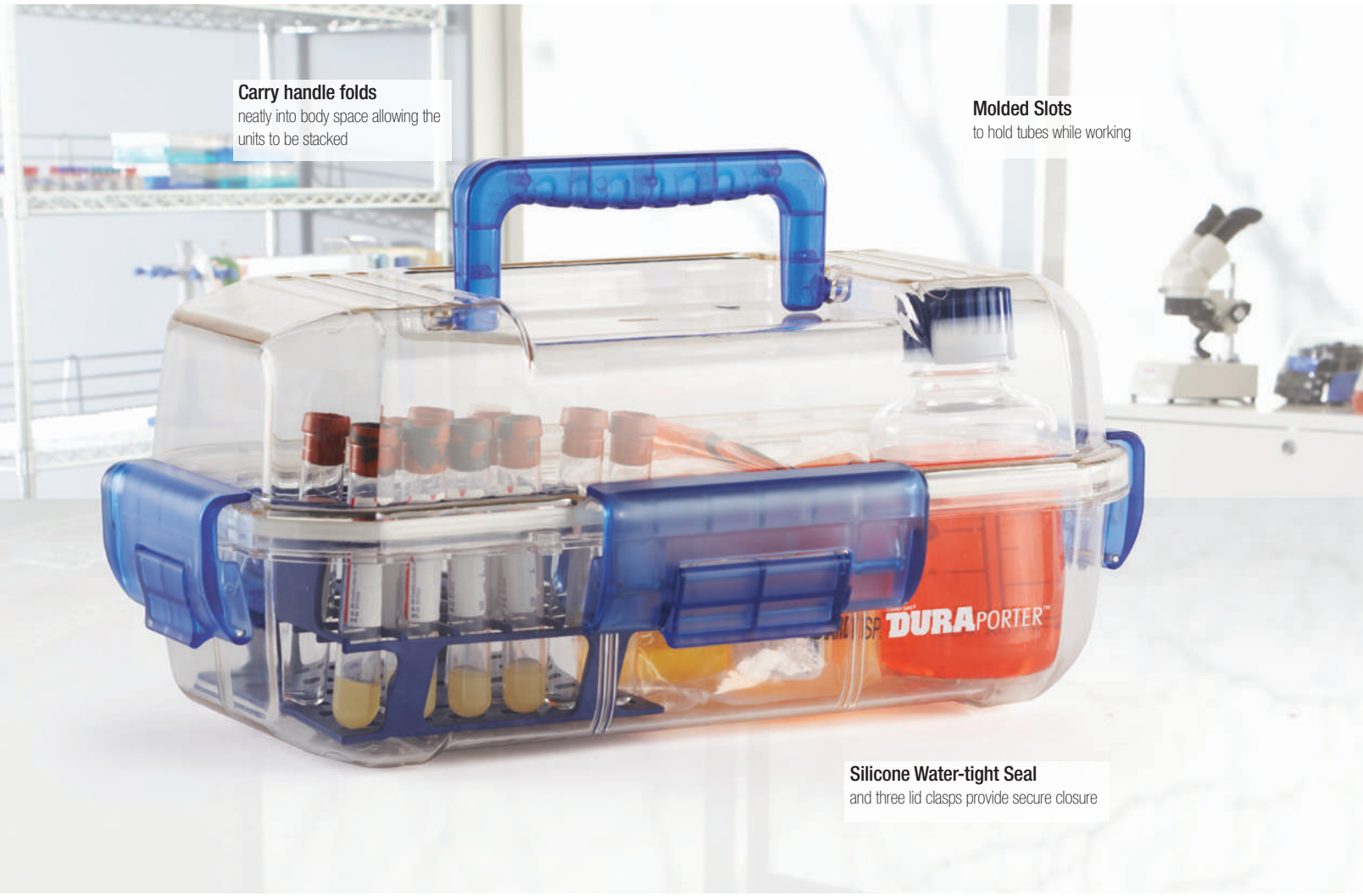
- Made from food grade HDPE resins for a durable non-breakable design
- Deep tray design helps reduce spills

Item No.	Color	L x W x H *in*	L x W x H *cm*
120021	Blue ■	17 x 11 x 11	43.2 x 27.9 x 27.9



Hooks Lock
in place when not in use

Hangs on bed rails,
footboards and handrails





Lid Opens a Full 180°
to expedite loading and emptying





DuraPorter®

Specimen or Sample 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 Duraporter® transparent design is OSHA 29 CFR 1910.1031 and UN3373 compliant

- Polycarbonate construction and available in three colors for user/ owner identification
- Accommodates 13 mm, 16 mm and 20 mm tubes with our Half and Full Size OneRack®
- Use the separators provided to create your own compartment sizes

AUTOCLAVABLE 121° C

Item No.	Color	L x W x H *in*	L x W x H *cm*
120052	Clear with Blue Handle	15 x 7.7 x 6.3	38 x 19.6 x 16
120077	Red with Red Handle		
120078	Yellow with Yellow Handle		









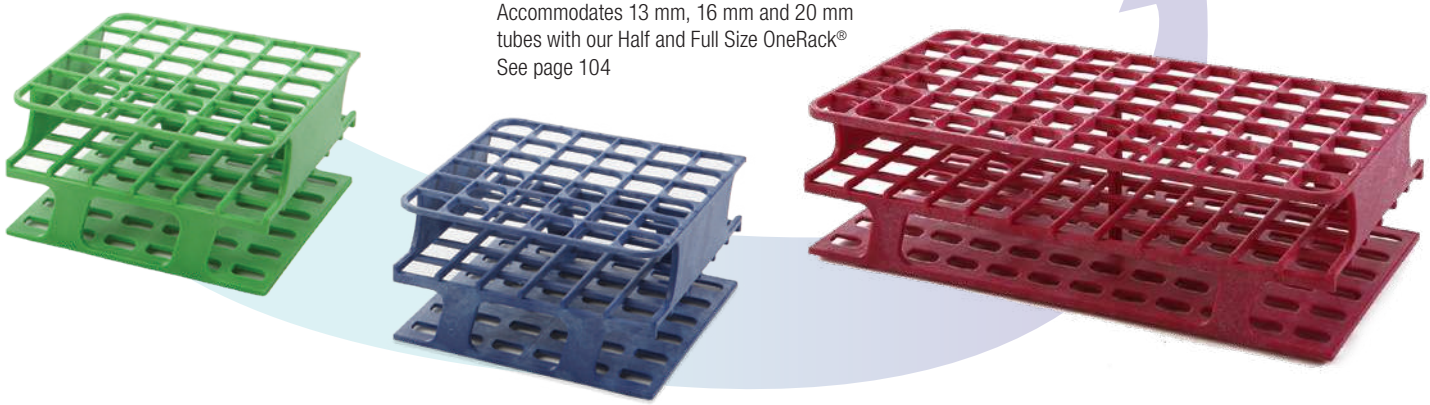


Extra Security Feature
Accommodates lockout tags
(not included)

A Perfect Fit

OneRack® Tube Rack

Accommodates 13 mm, 16 mm and 20 mm tubes with our Half and Full Size OneRack®
See page 104



For field sample processing, learn more about our Portable Centrifuge Kit

Includes Mini-Centrifuge and 12V Car Adapter for processing outside the laboratory



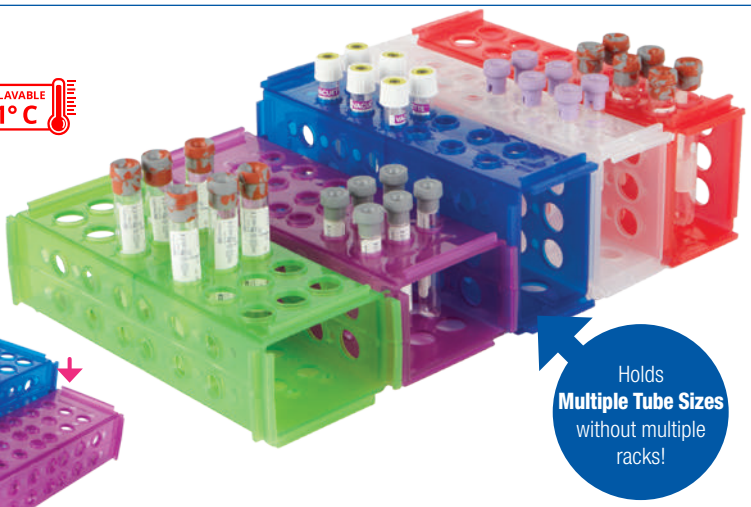
Portable Centrifuge Kit, Page 9

Clinical 4-Way Tube Rack

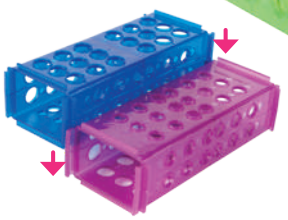
The only tube rack specifically designed to hold round, flat & conical blood collection and culture tubes

AUTOCLAVABLE 121° C

- Accommodates all brands of 13 and 17 mm round, flat and conical bottom blood collection & culture tubes
- Customize the rack to fit the number of wells required, infinite units can be linked together or use one standalone unit
- Molded alphanumeric identification for quick location and retrieval of tubes
- Robust, made from polypropylene that is chemical resistant and easy to clean
- Racks can be used in water baths and placed in freezers
- Patent Pending



Customizable
Racks can slide together to create many combinations

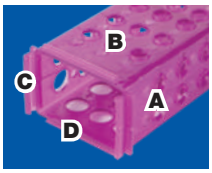


US Patent No. D900337

Pack of 5

Item No.	Color	Item No.	Color
120684	Blue	120687	Natural
120685	Purple	120683	Assorted*
120686	Green		

**Assorted colors (Blue, Purple, Green, Red, Natural)*



Individual Rack Specifications

Side	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
A	12	13	9.1 x 2.8 x 3.8	23.2 x 7.0 x 9.5
B	18	13		
C	12	17		
D	18	17		

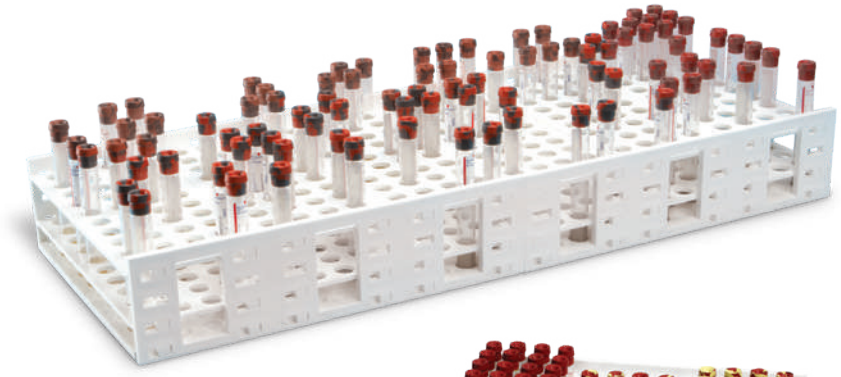
Mega Rack®

High-capacity storage for your tubes

AUTOCLAVABLE 121° C

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

- Sturdy, material for easy and secure transport of blood collection and other tubes
- Alphanumeric identification for quick location and retrieval of tubes
- Place different test groupings into one rack eliminating the need for multiple racks





Mega Racks® 10-13 mm - Holds 5-7 mL sample tubes

Item No.	Color	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
HS24322A	Blue	216	13	13.3 x 9.3 x 3.6	33.7 x 23.5 x 9.1
HS24322E	White				
120112	White	432	13	26.5 x 9.3 x 3.5	67.3 x 23.5 x 9.0
120113	Blue				

Mega Racks® 13-16 mm - Holds 10 mL sample tubes

Item No.	Color	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
HS24323A	Blue	120	16	13.3 x 10.5 x 3.6	33.7 x 26.7 x 9.1
HS24323E	White				
120114	White	240	16	26.5 x 10.5 x 3.5	67.3 x 26.7 x 9.0
120115	Blue				

Mega Racks® 18-20 mm - Holds 15 mL conical/swab tubes and 20 mm round bottom tubes

Item No.	Color	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
120834	White	120	20	14.9 x 11.9 x 3.6	37.7 x 30.1 x 9.1
120835	Blue				

Clinical Tube Racks

Learn about more of our Tube Racks that hold 10-17 mm blood collection tubes

Rota-Rack®
Rotate and customize to suit your application

Page 97



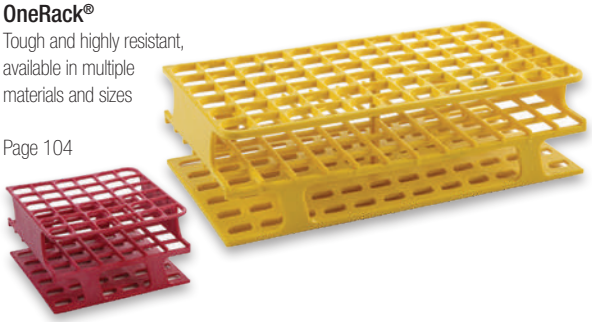
OneRack® Multi
Ultimate in versatility handles multiple tube diameters and heights

Page 99



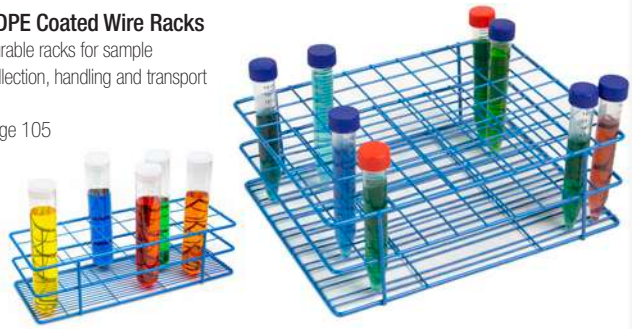
OneRack®
Tough and highly resistant, available in multiple materials and sizes

Page 104



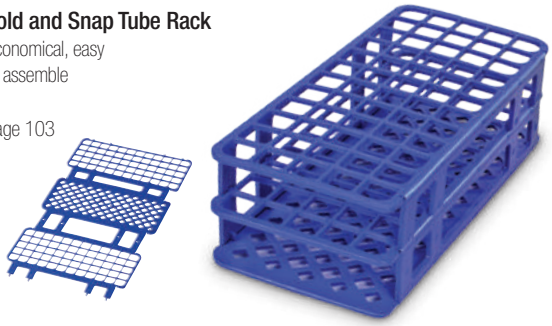
HDPE Coated Wire Racks
Durable racks for sample collection, handling and transport

Page 105



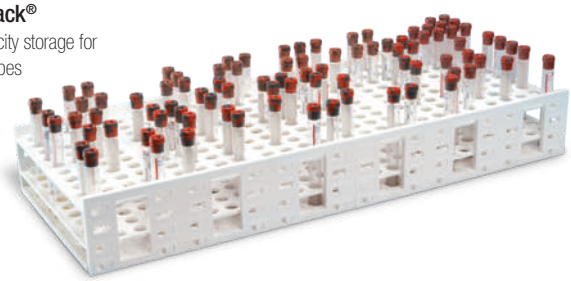
Fold and Snap Tube Rack
Economical, easy to assemble

Page 103



Mega Rack®
High-capacity storage for 5-7 mL tubes

Page 107



Adapt-A-Rack®
Flexible rack holds variety of tube sizes

Page 100



Peg Rack
Sturdy design for quick location and retrieval of tubes

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Droplet Corrugated Sample Storage Tray

Affordable 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
- Stackable with other trays
- Pack includes: 10 trays and 10 dividers

Item No.	Color	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
120375	White	24	58	16 x 10.2 x 3.5	40.6 x 26 x 8.9

Trays are supplied "flat-packed"
Eliminating the hassle of stacking and reduces the amount of space needed for storage



Removable Inserts
allow outer shell to be used for storage or transport of laboratory products



Lightweight and Sturdy
to hold up to 24 full specimen containers

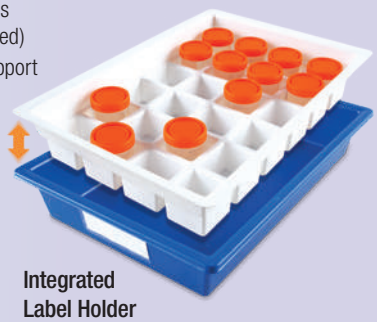


Droplet Sample Storage Tray

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

- Bin and tray are made from polystyrene
- Lightweight and sturdy to hold up to 24 full specimen containers (Specimen containers not included)
- Stackable with other trays to support as many as four high
- Can be easily cleaned with common disinfectants and germicides



Removable Insert
allows outer shell to be used for storage or transportation of laboratory products

Integrated Label Holder

Item No.	Color	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
120172	Blue/White	24	58	18.9 x 13 x 3.3	48 x 33.1 x 8.4



Coated Wire Rack - Urine Containers

Durable racks for transport or sample handling

- Chemically-resistant, HDPE-coated steel wire rack
- Fits bottles with 55-58 mm diameters
- Mesh bottom support

AUTOCLAVABLE 121° C

Item No.	Color	Tube Array	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
120091	Blue	6 x 4	24	58	15.5 x 10.3 x 2	39.3 x 26.2 x 5

Liquid Sample Handling

Whether it be dispensing or aspirating microliters or milliliters, we offer you precision at your fingertips



Pipettors, Fillers & Bulbs

Reagent Reservoirs & Chillers

Funnels & Lead Rings

Pipettor Racks & Accessories

High-quality Pipettors offering precision at your fingertips

RF3000®
The powerful pump offers rapid, yet sensitive aspiration and dispensing, has adjustable valves and is microprocessor controlled for constant reliability and accuracy

Page 38



RF1000
Manual pipette controller is lightweight, easy to use and uniquely designed for one-handed operation

Page 39



High-quality Pipettors offering precision at your fingertips

Pipette Controller
Manual inline pipette controller with ergonomic grip and bulb for simple and precise operation

Page 39





Pearl® Adjustable Volume Pipettes
Complete range of single- and multi-channel pipette volumes to cover all your possible needs

Page 40





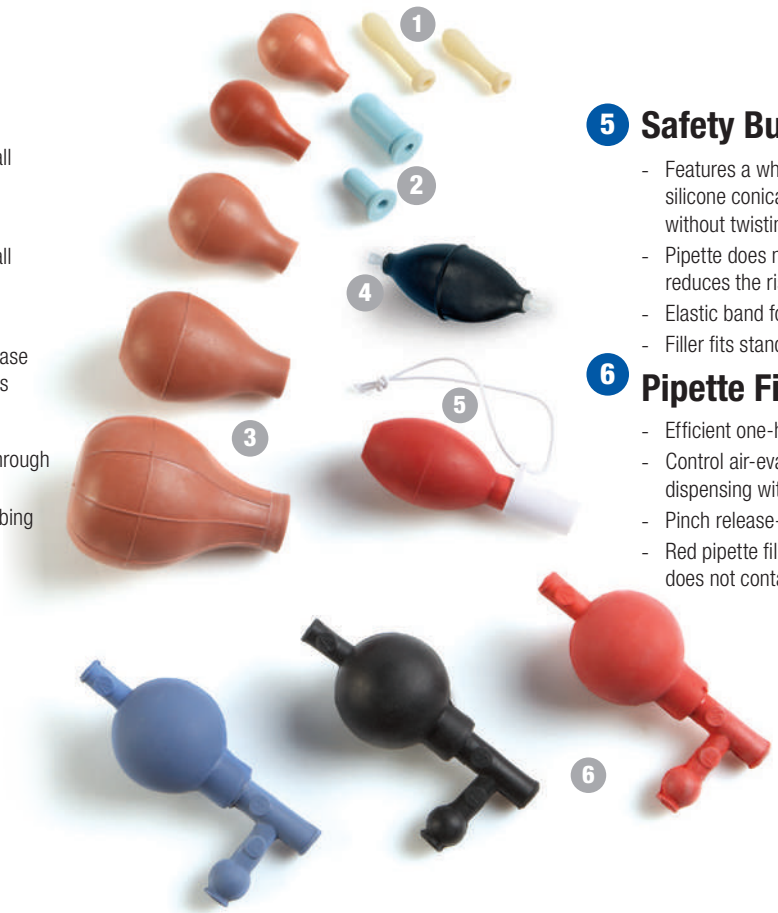
Fillers and Bulbs

1 Latex Dropper Bulbs
- Designed for use with Pasteur pipettes, small pipettes, and medicine droppers

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

3 Rubber Bulbs
- Contoured shape and heavy-wall neck increase grip for easier use with pipettes and syringes

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



5 Safety Bulb Pipette Filler
- 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

6 Pipette Filler
- Efficient one-handed operation
- Control air-evacuation, liquid uptake, and liquid dispensing with three 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

Latex Dropper Bulbs *(Natural Rubber)*

Pack of 72

Item No.	Color	Volume mL	Length in	Length mm	Outer Diameter in	Outer Diameter mm	Hole Diameter in	Hole Diameter mm
HS20622A	Yellow	1	1.7	43	0.51	13	0.20	5
HS20622B		2	2.0	52	0.51	13	0.24	6

Dropper Vial Bulbs *(Silicone Rubber)*

Pack of 24

Item No.	Color	Volume mL	Length in	Length mm	Outer Diameter in	Outer Diameter mm	Hole Diameter in	Hole Diameter mm
HS20629A	Blue	1	1.1	28.7	0.47	12	0.24	6.0
HS20629B		3	1.6	41	0.70	17.8	0.26	6.5

Rubber Bulbs *(Natural Rubber)*

Item No.	Color	Volume mL	Length in	Length mm	Outer Diameter in	Outer Diameter mm	Hole Diameter in	Hole Diameter mm
HS20630B	Red	15	1.9	50	1.3	34	0.16	4
HS20630C		30	2.6	66	1.8	46	0.24	6
HS20630D		60	3.1	80	2.1	54	0.24	6
HS20630E		150	4.1	103	2.9	73	0.24	6

Vacuum/Pressure Bulb *(Natural Rubber)*

Item No.	Color	Volume mL	Length in	Length mm	Outer Diameter in	Outer Diameter mm	Hole Diameter in	Hole Diameter mm
HS20631B	Black	85	4.2	106	2.1	52	0.29	7.4

Safety Bulb Pipette Filler *(Natural Rubber)*

Item No.	Color	Volume mL	Length in	Length mm	Outer Diameter in	Outer Diameter mm	Hole Diameter in	Hole Diameter mm
HS20623	Red	15	4.2	106	1.6	41	0.39	10

Pipette Filler *(Natural Rubber)*

Item No.	Color	Volume mL	Length in	Length mm	Outer Diameter in	Outer Diameter mm	Hole Diameter in	Hole Diameter mm
HS20632A	Black	35	5.1	130	2.1	54	0.24	6.0
HS20632B	Red							
HS20632C	Blue							

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

STERILE R



	Item No.	Vol. *mL*	Working Vol. *mL*	Length *mm*	Graduations *mL*	Packaging *500 per box*	Sterile
	HS206371A					Bulk	
a	**HS206371B**	5	1	150	0.25	20/bag	✓
	HS206371C					1/single wrap	✓
	HS206372A					Bulk	
b	**HS206372B**	5	2	155	0.5	20/bag	✓
	HS206372C					1/single wrap	✓
	HS206373A					Bulk	
c	**HS206373B**	7	3	155	0.5	20/bag	✓
	HS206373C					1/single wrap	✓



Universal Carousel Pipette Stand

Pipettes never looked so good, on your bench top

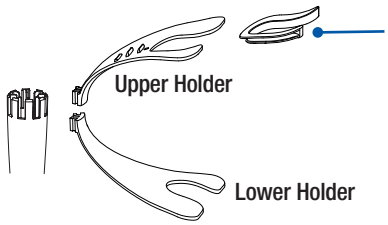
Stylish pipette stand holds and stores up to 8-single channel, 4-multi channel, or a combination of both pipettes

Versatile

- Patent pending design enables this stand to securely hold virtually every known brand of pipette in the marketplace
- Modular upper holder inserts accommodate the fit of different pipette widths
- Assorted color inserts allow for color coding configurations

Durable Utility

- Stable weighted base allows for easy one handed removal and replacement of pipettes
- Rotating head makes pipette selection fast and easy
- Moving the stand while keeping pipettes in place is simple with a quick grip handle allowing a user to grab and go



Inserts
on the upper holders can be added or removed to accommodate the fit of different pipette widths

Item No.	Upper Holder Color	Quantity	Lower Holder Color	Quantity
120480	Blue/Green	8 ea/color	Blue	8 ea
120481	Purple/Clear	8 ea/color	Purple	8 ea
120499	Assorted/Clear*	1 ea/color	Clear	8 ea
		8 clear		

**Assorted colors (Purple, Blue, Green, Grey, Red, Orange, Yellow and Clear)*

Base Width *in*	Top W x H *in*	Base Width *cm*	Top W x H *cm*
6.2	9 x 16.1	15.8	22.9 x 40.8

Universal Pipette Holder

Wall mounted storage solution

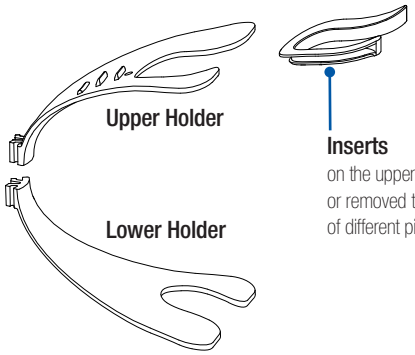
The pipette holder comes with two wall mounting brackets that each hold two pipettes

Secure

- Upper and lower segment inserts easily slide in place to securely hold virtually every known brand of pipette
- Segments unique design includes traction grips that center pipettes allowing for easy one handed removal and replacement

Adaptable

- Inserts come in two separate colors allowing for color coding, quick identification or just to add a pop of color to your workspace



Inserts
on the upper holders can be added or removed to accommodate the fit of different pipette widths



Installation hardware included

Easy To Clean
Made of ABS



Patent Pending

Item No.	Lower Holder	Upper Holder	L x H *in*	L x H *cm*
120575	2 Blue ■ 2 Green ■ 2 Clear □	2 Blue ■ 2 Green ■ 1 Purple ■ 1 Yellow ■	6.9 x 1.8	17.5 x 4.5



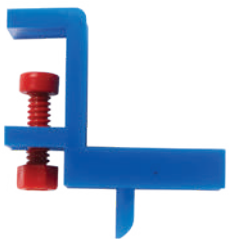
Clamp-ette® Pipette Holder

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

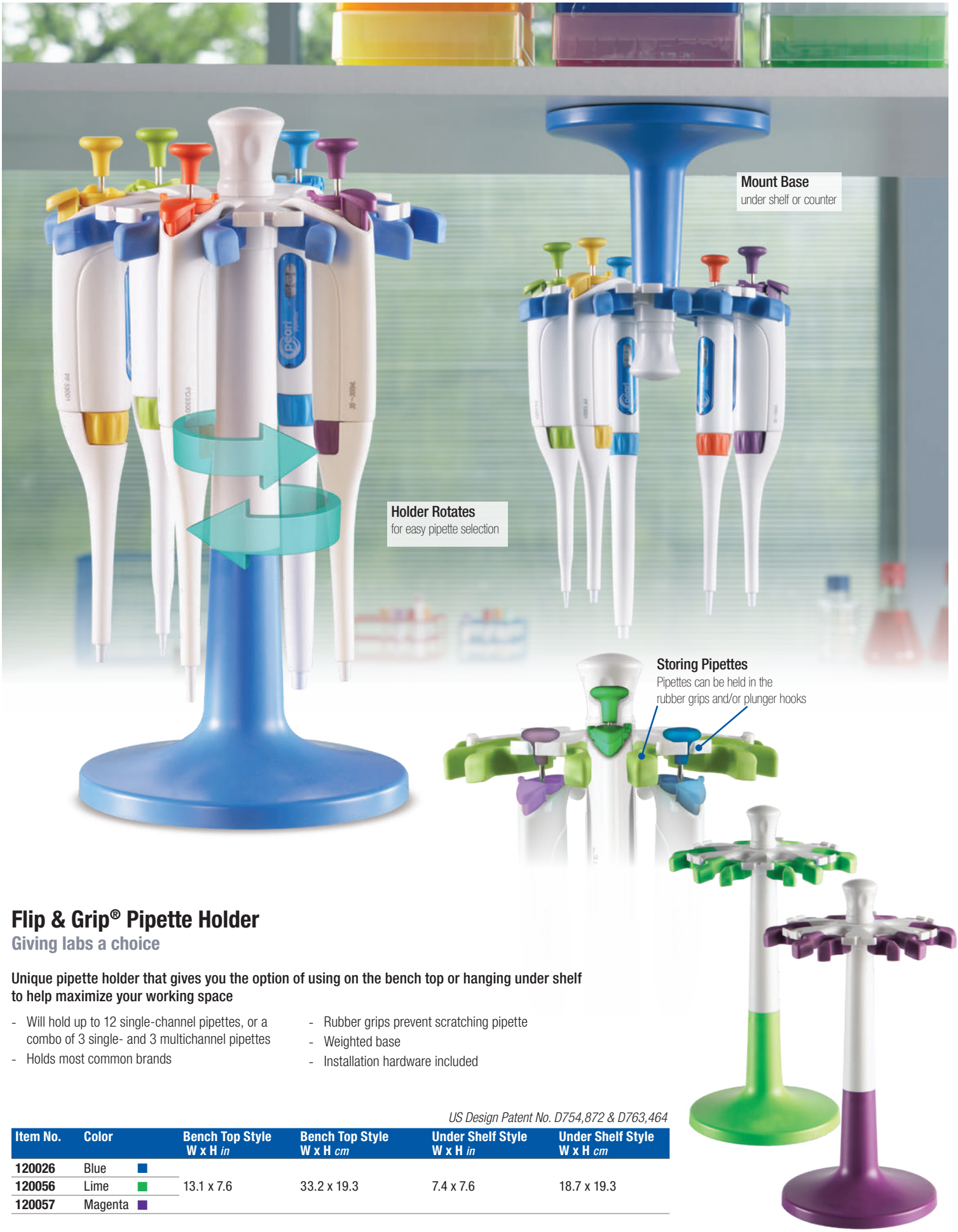
AUTOCLAVABLE 121° C



Secures Clamping
for tabletops, benches and shelves

Tri Clamp-ette®

Item No.	Color	L x W x H *in*	L x W x H *cm*
HS20162A	Blue ■	6.2 x 4.7 x 3.7	15.7 x 12 x 9.5



Flip & Grip® Pipette Holder

Giving labs a choice

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

- Will hold up to 12 single-channel pipettes, or a combo of 3 single- and 3 multichannel pipettes
- Holds most common brands
- Rubber grips prevent scratching pipette
- Weighted base
- Installation hardware included

US Design Patent No. D754,872 & D763,464

Item No.	Color	Bench Top Style W x H *in*	Bench Top Style W x H *cm*	Under Shelf Style W x H *in*	Under Shelf Style W x H *cm*
120026	Blue	13.1 x 7.6	33.2 x 19.3	7.4 x 7.6	18.7 x 19.3
120056	Lime				
120057	Magenta				



Pipette Workstation

Organize your pipettes 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

Item No.	Color	L x W x H *in*	L x W x H *cm*
HS234631	Clear ☐	9.6 x 6.5 x 9.7	24.4 x 16.5 x 24.6



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 0.375 in (10 mm) thick acrylic provides protection from Beta radiation
- The large, hinged lid allows easy disposal of contents
- Use in conjunction with small biohazard disposal bags, if hazardous fluids are not acrylic friendly

Item No.	Lid Opening *mm*	L x W x H *in*	L x W x H *cm*
HS234634	30	6.1 x 6.7 x 8.1	15.4 x 17.1 x 20.6



3-Place Stand Acrylic Clear



4-Place Stand Acrylic Clear



6-Place Stand Acrylic Blue



6-Place Stand ABS Blue

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

Item No.	Color	Material	Pipette Capacity	Slot Upper *in*	Slot Upper *mm*	Slot Lower *in*	Slot Lower *mm*
HS206203	Clear ☐	Acrylic	Three	1	25	0.8	19
HS206204			Four				
HS20620			Six				
HS20613C	Blue ■	Acrylic	Six				
HS20613E	Blue ■	ABS	Six	1	25	0.8	20

Cargo Pipette Rack

Meets the need of any lab

Racks securely lock together horizontally or vertically to desired configuration or can be used individually

Can be used on top of benchtop or conveniently hung on any metallic surface with strong magnets that are designed into the racks

- Angled shelves store 0.1 to 50 mL pipettes
- Protective lid encloses the unit to prevent dust build-up and provides additional shelf space

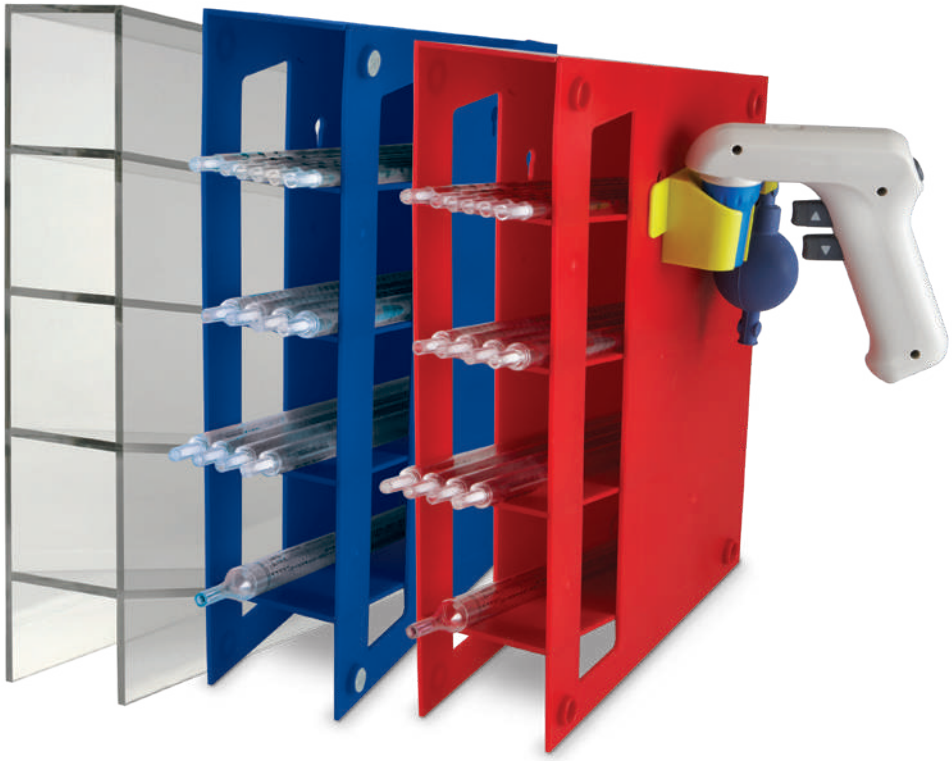
Pack of 3

Item No.	Color	L x W x H *in*	L x W x H *cm*
HS20615M	Blue ■	11.9 x 3.9 x 5	30.1 x 10 x 12.8



Magnets
connect securely to most metallic surfaces

Units Lock Securely
together horizontally or vertically



Pipette Racks

Protects and organizes glass and plastic pipettes

Four angled-shelved compartments keep your 0.1 to 50 mL pipettes or cryo vial canes 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

Item No.	Color	Material	L x W x H *in*	L x W x H *cm*
HS20611	Clear □	Acrylic	11.4 x 3.5 x 15.8	29.1 x 8.8 x 40.1
HS20612	Blue ■	ABS		
HS20613	Red ■	ABS		
HS20612M	Blue ■	ABS (mounting magnets)		



Pipette Attachments
ABS versions includes 2 removable pipette attachments

Liquid Weighing Pour Boats

Deep vessel with sturdy handle designed for convenient handling and pouring of liquids

- Flat bottom ensures stability and prevents tipping
- Notched pour spout design controls liquid pour
- Operating temperature range 0 to 40°C (104°F)
- Made from FDA food grade polystyrene in an ISO Class 8 clean room
- Material biologically inert and resistant to dilute and weak acids, aqueous solutions, alcohols and bases
- Recyclable, marked
- Available in 3 Sizes
  - 50mL - 100mL - 200 mL



Pack of 200

Item No.	Color		Size	Volume *mL*	L x W x H *in*	L x W x H *cm*
120890	White	☐	Small	50	3.6 x 1.6 x 1.7	9.2 x 4.0 x 4.3
120891	White	☐	Medium	100	4.2 x 3.5 x 1.9	10.7 x 9 x 4.8
120892	White	☐	Large	200	5.8 x 4.6 x 2	14.8 x 11.7 x 5.1

Reservoir Chiller

Ice-free, non-toxic way to extend working period and preserve integrity for temperature sensitive reagents

- Reagents are kept at less than 5°C (41°F) for approximately 1 hour
- Engineered custom fit design for Heathrow Scientific 50 or 100 mL reservoirs to ensure a maximum contact for longer uniform cooling
- Eliminates the risk of contamination from messy ice bath
- Not for use with liquid nitrogen





Pack of 2

Item No.	Color		Volume *mL*	L x W x H *in*	L x W x H *cm*
120730	Purple	■	50	6.1 x 2.9 x 1.7	15.5 x 7.4 x 4.2
120731	Blue	■			
120732	Assorted*	■ ■			
120733	Purple	■	100	6.2 x 9 x 1.7	15.7 x 9 x 4.2
120734	Blue	■			
120735	Assorted*	■ ■			

**Assorted colors (Purple and Blue)*

50 mL Reservoir Chiller

100 mL Reservoir Chiller







Dual Solution Reservoir

Innovative shape guides and protects pipette tips

Multi-functional reagent reservoir has a single compartment 50 mL basin on one side and 12 slotted 5 mL basins on the other side

- Angled wells guide pipette tips toward a center position to help avoid cross contamination and waste
- Individual 5 mL basin wells numerical imprinted to identify samples
- Cover included to prevent contamination

AUTOCLAVABLE 121° C

Pack of 25

Item No.	Volume *mL*	L x W x H *in*	L x W x H *cm*
HS20821A	5/50	4.9 x 2 x 1.5	12.5 x 5 x 3.7

Reagent Reservoirs

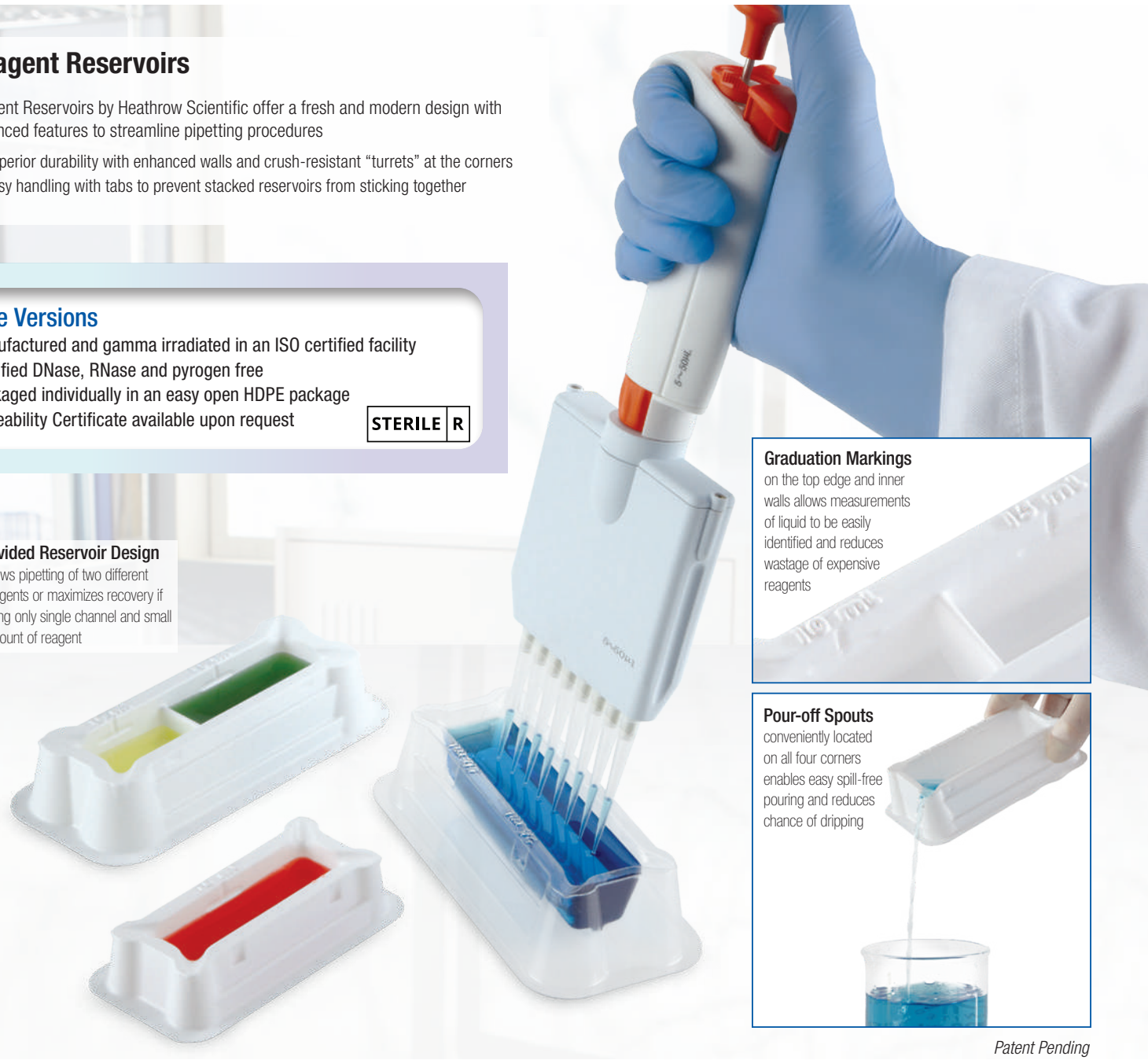
Reagent Reservoirs by Heathrow Scientific offer a fresh and modern design with enhanced features to streamline pipetting procedures

- Superior durability with enhanced walls and crush-resistant "turrets" at the corners
- Easy handling with tabs to prevent stacked reservoirs from sticking together

Sterile Versions

-Manufactured and gamma irradiated in an ISO certified facility
-Certified DNase, RNase and pyrogen free
-Packaged individually in an easy open HDPE package
-Traceability Certificate available upon request

STERILE R



Divided Reservoir Design
allows pipetting of two different reagents or maximizes recovery if using only single channel and small amount of reagent

Graduation Markings
on the top edge and inner walls allows measurements of liquid to be easily identified and reduces wastage of expensive reagents

Pour-off Spouts
conveniently located on all four corners enables easy spill-free pouring and reduces chance of dripping

Patent Pending

Item No.	Volume *mL*	Graduation Marks *mL*	Material	Sterile	Packaging	Interior Dimensions L x W x H *in*	L x W x H *cm*
120637	5	5	Polystyrene	Yes	50/Single Bag	2.8 x 0.8 x 0.7	7.2 x 2.1 x 1.8
120638	10	5 and 10	Polystyrene	No	100/Bulk	2.8 x 0.8 x 0.7	7.2 x 2.1 x 1.8
120639	10	5 and 10	Polystyrene	Yes	100/Single Bag		
120640	25	15 and 25	Polystyrene	Yes	200/40 x 5pk	4.4 x 0.9 x 1.1	11.3 x 2.4 x 2.7
120641	25	15 and 25	Polystyrene	Yes	100/Single Bag		
120642	25	15 and 25	Polystyrene	No	100/Bulk		
120884	25	15 and 25	Polystyrene	Yes	100/Single Bag		
120643	50	25 and 50	Polystyrene	Yes	200/40 x 5pk	4.5 x 1.1 x 1.4	11.5 x 2.9 x 3.5
120644	50	25 and 50	Polystyrene	Yes	100/Single Bag		
120645	50	25 and 50	Polystyrene	No	100/Bulk		
120646	50	25 and 50	PVC	Yes	100/20 x 5pk		
120690	50	25 and 50	PVC	No	100/Bulk		
120647	100	50 and 100	Polystyrene	Yes	200/40 x 5pk	4.6 x 1.9 x 1.0	11.7 x 4.8 x 2.5
120648	100	50 and 100	Polystyrene	Yes	100/Single Bag		
120649	100	50 and 100	Polystyrene	No	100/Bulk		
120650	100	50 and 100	PVC	No	100/Bulk		
120651	25 *(10 and 15 mL divided)*	10/15	Polystyrene	Yes	200/40 x 5pk	4 x 1 x 0.8	10.2 x 2.5 x 2.1
120652	25 *(10 and 15 mL divided)*	10/15	Polystyrene	Yes	100/Single Bag		

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
- Maximum flexibility – cut the stem to any size or shape to meet with your needs
- Fits a wide variety of openings and can be used with virtually any liquid* or powder



* Not recommended for hot liquids

Pack of 25

Item No.	Capacity *mL*	Top Dia. *in²*	Top Dia. *cm²*	Bottom Dia. *in²*	Bottom Dia. *cm²*	Height *in*	Height *cm*
120219	186	2.4	6	0.3	0.6	5	12.8

Eco smartFunnel™ is a trademark of LevGo Inc.

Lead Rings

Stabilize vessels and labware on the bench or 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



Item No.	Shape	Color	Flask Sizes *mL*	ID *in*	ID *cm*	OD *in*	OD *cm*	Weight *g*
HS8881A	C	Blue ■	125–500	1.9	4.2	3	7.5	215
HS8882A	O			1.9	4.8	3	7.7	210
HS8881B	C	Blue ■	250–1000	2	5.1	3.5	9	465
HS8882B	O			2	5.1	3.5	9	490
HS8881C	C	Blue ■	500–2000	2.1	5.4	3.9	9.8	595
HS8882C	O			2.2	5.7	3.9	9.8	610
HS8881D	C	Blue ■	1000–4000	2.6	6.6	4.4	11.3	890
HS8882D	O			2.8	7	4.5	11.5	935

**Weights may vary by +/- 3%*

Safety Bottle Carriers

Secure and convenient bottle transport

- Ergonomic handle prevents hand fatigue and related accidents when carrying heavier loads
- Handle swings down to either side for easier loading and unloading
- Centering ring stabilizes bottle in the center of carrier for safer, steadier transport
- Carriers come in four colors with designated labeling areas for easy identification
- Made of chemical resistant thermoplastic elastomer - PP blend

MADE IN USA



Available in 4 Colors
for easy identification and organization

Safety Bottle Carrier, 4.5 L

Item No.	Color	Dimensions (Dia. x H) *in*	Dimensions (Dia. x H) *cm*
120911	Red ■	7.2 x 10.5 (16 in height, handle extended)	18.3 x 26.7 (40.6 cm height, handle extended)
120912	Black ■		
120913	Blue ■		
120914	Green ■		

Safety Bottle Carrier, 1.5 L

Item No.	Color	Dimensions (Dia. x H) *in*	Dimensions (Dia. x H) *cm*
120915	Red ■	4.5 x 6.5 (10 in height, handle extended)	11.4 x 16.5 (25.4 cm height, handle extended)
120916	Black ■		
120917	Blue ■		
120918	Green ■		



Movable Handle
swings down to allow clear access to vessel



Sample Handling

Complete range of products and tools for gathering, weighing, and working with various types of samples



Pill Counting Trays

Weigh Boats, Dishes, Papers

Sampling Scoops

Utensils: Spatulas, Forceps, Cell Spreaders, Loops & Picks

Pill Counting Trays

Counting trays that offer safety and convenience when counting pills and capsules

Intended for single use to prevent cross-contamination for batch sampling or distribution of pills and capsules

Safety

- Disposable to ensure no chemical cross-contamination for patient safety
- Made from FDA food grade polystyrene in an ISO Class 8 clean room
- Meets quality control and GMP requirements for manufacturing batch sampling
- Durable and shatterproof trays constructed of inert, BSE/TSE free material
- Lot traceable

Convenience

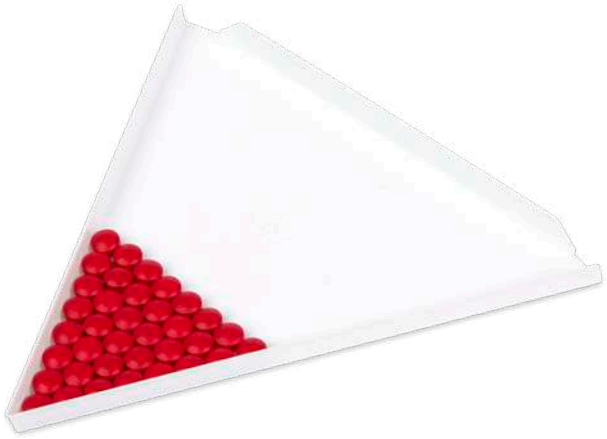
- Pour spout in corner for dispensing control
- Ergonomic spatula (length - 6.9 in/17.6 cm)
- Available in both, sterile* and non-sterile for intended usage



* Electron beam sterilized and individually wrapped with Certificate of Sterility available upon request

Manufactured and packaged in a clean room

STERILE R



For round pills



For capsules from size 2 to 00

Item No.	Description	L X W X H in	L x W x H cm	UOM
120845	Pill Counting Tray Rectangular Sterile	10.3 x 5.2 x 0.5	26.2 x 13.1 x 1.2	Case 40; 4 x 10/Single Bag
120846	Pill Counting Tray Rectangular Non-Sterile	10.3 x 5.2 x 0.5	26.2 x 13.1 x 1.2	Case 40; 4 x 10/Bulk
120847	Pill Counting Tray Triangular Sterile	9.1 x 9.1 x 0.5	23.0 x 23.0 x 1.3	Case 30; 3 x 10/Single Bag
120848	Pill Counting Tray Triangular Non-Sterile	9.1 x 9.1 x 0.5	23.0 x 23.0 x 1.3	Case 30; 3 x 10/Bulk

Aluminum Weighing Boats & Dishes

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

Aluminum 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

Aluminum Weighing Dish

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



Aluminum Weighing Boat



Aluminum Weighing Dish

Item No.	Size	Dia. x H *in*	Dia. x H *mm*	Volume *ml*	Packaging
HS14521A	Small	1.7 x 0.5	43 x 12	20	100
HS14521B	Medium	2.2 x 0.6	57 x 14	39	100
HS14521C	Large	2.8 x 0.6	70 x 16	50	100
HS14522	Large	4 x 0.3	101 x 8	30	50

smartPans™

Ideal for microbalances, organic micro elementary and thermal analysis, and pharmaceutical use

- Made of Ultra High Vacuum (UVH) Foil - "A" wettable and completely free from oils normally found on other grades of aluminum foil
- Foil meets ASTM B-479, specification 3.1.4 and 10.3.1
- "Cahn style" accessory pans are compatible with most commercially available analyzers and microbalances



Pack of 20

Item No.	Dia. x H *in*	Dia. x H *mm*
120627	1 x 0.1	25 x 3.6

smartPans™ is a trademark of LevGo Inc.

Weighing Papers

Smooth surface for good sample recovery

- Nitrogen-free
- Strong enough to support dense material





Pack of 500

Item No.	L x H *in*	L x H *cm*
120116	3 x 3	7.6 x 7.6
120117	4 x 4	10.2 x 10.2
120118	6 x 6	15.2 x 15.2

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)
- Antistatic versions available making the boats nonreactive with most substances and suitable for weighing static-affected samples
- Wide flat bottoms ensure stability and prevent tipping
- Rounded corners allow simple flexing for controlled pouring of liquid, powdered or granular samples
- Can be used with microwave moisture analyzers
- Made from FDA food grade polystyrene



Standard Weighing Boats

Manufactured and packaged in a clean room



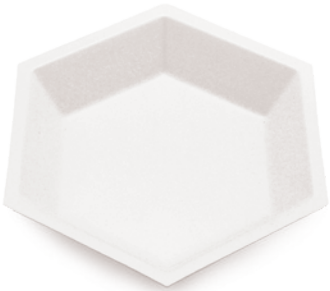
Sterile Weighing Boats

Ideal for applications where there is concern of cross contamination and 'clean' is a necessity in life science research, food, biopharmaceutical, environmental and molecular research environments

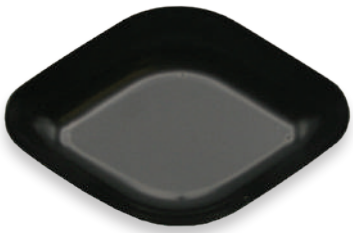
- Electron beam sterilized
- Lot number traceability for quality assurance
- Certificate of Sterility available upon request

STERILE R

Square Weighing Boats



Hexagonal Weighing Boats



Diamond Weighing Boats



Pour-boat Weighing Dishes

New Liquid Weighing Pour Boats

Flat bottom ensures stability and prevents tipping

- Notched pour spout design controls liquid pour
- Available in 3 Sizes
  - 50 mL
  - 100 mL
  - 200 mL



Liquid Pour Boats, Page 72

Weigh Boats

Pack of 500

Shape	Regular Material Item No.	Antistatic Material Item No.	Color	Size	Volume *mL*	L x W x H *in*	L x W x H *cm*
Standard	HS1420A	HS1420AA	White	Small	10	1.8 x 1.8 x .3	4.6 x 4.6 x .8
	HS1421A	HS120222	Blue				
	HS1423A	HS1423AA	Black				
	HS1420B	HS1420BB	White	Medium	85	3.4 x 3.4 x .9	8.5 x 8.5 x 2.4
	HS1421B	HS120223	Blue				
	HS1423B	HS1423BB	Black				
	HS1420C	HS1420CC	White	Large	280	5.5 x 5.5 x .9	14 x 14 x 2.2
	HS1421C	HS120224	Blue				
	HS1423C	HS1423CC	Black				
Hexagonal	—	HS14251A	White	Small	6	1.5 x 1 x .4	3.8 x 2.5 x .9
	—	HS14251B		Medium	46	2.5 x 2 x .7	6.4 x 5.1 x 1.9
	—	HS14251C		Large	194	4 x 3 x .9	10.2 x 7.6 x 2.2
	—	HS14251D		X-Large	364	5 x 3.5 x 1.2	12.7 x 8.9 x 3.1
Pour-boat	HS1419A	HS120225	White	Small	14	1.7 x 2.3 x .5	4.3 x 5.8 x 1.3
	HS1419B	HS120226		Medium	137	3.3 x 5.2 x 1	8.3 x 13.2 x 2.6
	HS1419C	HS120227		Large	259	4.3 x 7.2 x 1	10.8 x 18.3 x 2.6
Square	HS1422	—	White	Medium	51	3.5 x 3.5 x .3	9 x 9 x .7
Diamond	HS1424AA	HS1425AA	White	Small	5	2.1 x 1.3 x .2	5.3 x 3.3 x .6
	HS1427AA	HS1426AA	Black				
	HS1424A	HS1425A	White	Medium	25	2.6 x 1.9 x .6	6.7 x 4.7 x 1.4
	HS1427A	HS1426A	Black				
	HS1424B	HS1425B	White	Large	30	3.1 x 2.2 x .6	7.8 x 5.6 x 1.4
	HS1427B	HS1426B	Black				
	HS1424C	HS1425C	White	X-Large	100	4.5 x 3.3 x 0.7	115 x 85 x 17
	HS1427C	HS1426C	Black				

Sterile Weigh Boats

Pack of 200/40 x 5pk

Shape	Regular Material Item No.	Antistatic Material Item No.	Color	Size	Volume *mL*	L x W x H *in*	L x W x H *cm*
Standard	—	120880	White	Small	10	1.8 x 1.8 x .3	4.6 x 4.6 x .8
Standard	—	120710	White	Medium	85	3.4 x 3.4 x .9	8.5 x 8.5 x 2.4
Hexagonal	—	120881	White	Small	6	1.5 x 1 x .4	3.8 x 2.5 x .9
Hexagonal	—	120882	White	Medium	46	2.5 x 2 x .7	6.4 x 5.1 x 1.9

Micro Weighing Boats

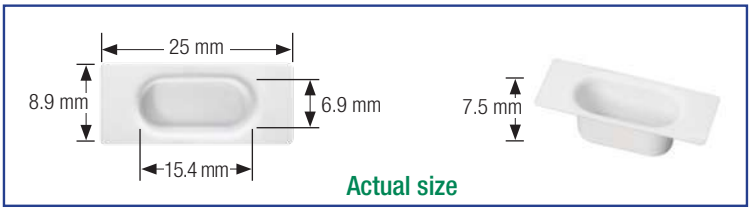
Ideal for microbalance weighing and/or distribution of very small amounts of sampling material

Easy to Handle

- Large tabs make boats easy to use, position and hold, especially with forceps

Superb Sample Recovery

- Inert material enables the boat and contents to be added to solutions to aid 100% sample recovery, where protocols allow
- Anti-static properties prevent sample retention from static electricity
- Small surface area reduces liquid sample evaporation



Actual size

Micro Weigh Boats

Item No.	Color	Dimensions *in*	Dimensions *mm*	UOM
120836	White	.98 x 0.4 x 0.3	25 x 8.9 x 7.5	250/pk


Easy to Handle Tabs

Made of Polystyrene
Food Grade Compliant

Ideal for very small volume pipette calibration and checks and micro sampling





smartBoats™

A truly green solution to sample weighing

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

- A cost-effective solution to reduce plastics in the lab
- Made of grease-proof paper that meets FDA 21 CFR 176.170 (components of paper in contact with aqueous and fatty foods) and with 2l CFR 176.180 (contact with dry foods)
- Control contents like a polystyrene weigh boat because they are easier to pour
- An alternative to regular weighing papers because they are easier to handle

Item No.	Color	Size	Packaging	L x W x H *in*	L x W x H *cm*
120312	Brown	Small	Pack of 500	1.4 x 1.4 x 0.6	3.5 x 3.5 x 16
120314	White				
120313	Brown	Medium	Pack of 500	1.9 x 1.9 x 0.6	4.8 x 4.8 x 14
120315	White				
120626	Brown	Large	Pack of 250	3.8 x 3.8 x 1	9.5 x 9.5 x 2.5
120195	White				

smartBoats™ is a trademark of LevGo Inc.

Functional in the Lab

Available in a small and medium in both brown for light colored samples and white for dark samples



Forceps

Corrugated handles and serrated tips

- ABS plastic

** Forceps shown at actual size*

Pack of 6

Item No.	Color	Length *in*	Length *cm*	Tip
HS15998C	Blue	4.4	11.1	Straight





HS15906



HS15907



HS15909

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 121° C

Item No.	End Type	End L x W *in*	End L x W *mm*	Overall Length *in*	Overall Length *cm*	Finish
HS15906	Flat	1.2	30	6	15	Glazed
	Spoon	0.5 x 0.2	12 x 4			
HS15907	Round Flat	2 x 0.3	50 x 8	7.7	19.5	Mirror
	Tapered Flat	1.8 x 0.3	45 x 6.5			
HS15909	Flat	2	50	8.9	22.5	Mirror
	Spoon	1.5 x 0.6	38 x 15			

smartSpatula®

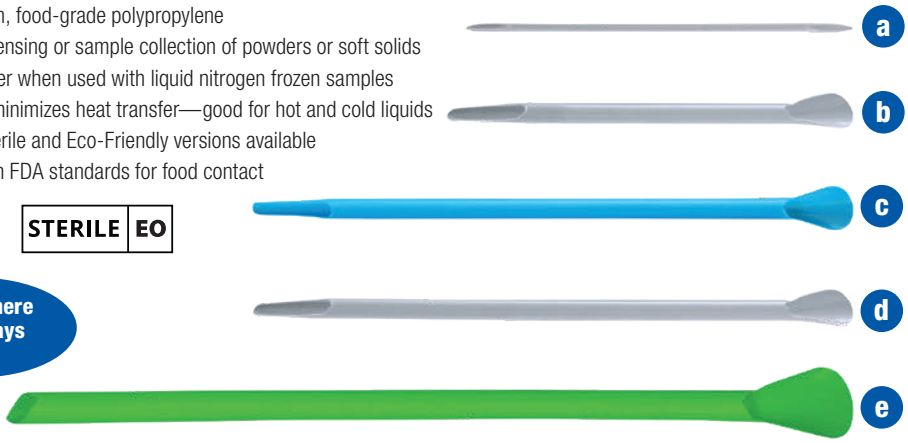
Designed to fit perfectly with standard 0.2, 0.5, 1.5/2.0, 15 and 50 mL tubes

- Made of virgin, food-grade polypropylene
- Ideal for dispensing or sample collection of powders or soft solids
- Will not shatter when used with liquid nitrogen frozen samples
- Hollow core minimizes heat transfer—good for hot and cold liquids
- Antistatic, sterile and Eco-Friendly versions available
- Complies with FDA standards for food contact

AUTOCLAVABLE 121° C

STERILE | EO

Always there and always clean!



Lab tools that scoop, stir and scrape.



	Item No.	Description	Color	Suggested Tube *mL*	Packaging	L x W *in*	L x W *cm*	Spoon (Flare) *in*	Spoon (Flare) *mm*	Scoop/Pick L x W *in*	Scoop/Pick L x W *mm*	Taper
a	**120005**	Micro Antistatic	Opaque ☐	0.2 and 0.5	300/Bulk	5.5 x .2	14 x .4	—	—	4.3	11 (V-Tip)	15°
b	**120008**	Eco-Friendly	Opaque ☐	15 and 1.5	300/Bulk	5.5 x .3	14 x .7	9.8 x 5.5	25 x 14	11.8 x 1.2	30 x 3	
c	**120003**	Standard	Blue ■	15 and 1.5	300/Bulk	8.3 x .3	21 x .7	9.8 x 5.5	25 x 14	11.8 x 1.2	30 x 3	
d	**120004**	Standard	Opaque ☐		300/Bulk							
	120007	Std. EtO Sterile	Opaque ☐		100/10 x 10pk							
	120625	Std. EtO Sterile*	Opaque ☐		100/10 x 10pk							
e	**120006**	Macro	Green ■	50	150/Bulk	12.2 x .4	31 x 1	16.5 x 9.3	42 x 23.5	11.8	30	35°

**Non Toxic/Non Pyrogenic* *smartSpatula™ is a trademark of LevGo Inc.*

Dual Purpose Scoops

Just scoop to retrieve, place on scale to weigh

Unique economical solution that combines the function of a scoop and a weigh boat into one, streamlining the process

- Made from anti-static polystyrene that is waterproof and reduces the chance of materials sticking to the scoop
- Ships and stores flat, easy to assemble for use
- Locking tab feature enables a scoop shape to help retain materials
- Coated to stand up to powders, gels, and semi-solids



Case of 100 10 x 10pk



Item No.	Color	Size	L x W *in*	L x W *cm*
120656	White ☐	Large	5 x 3.5	12.7 x 9
120657	White ☐	Small	5 x 2.5	12.7 x 6.3



Sampling Scoops

Our line of durable Sampling Scoops designed for easy sample retrieval of granules, powders and pastes

Available in multiple sizes and intended for single use to prevent contamination of bulk sample material



Durable Design

- Large, wide openings for easy sample retrieval
- Flat bottom to stabilize sample on scale or flat surface
- Lot traceable
- Shatterproof constructed of inert, BSE/TSE free material

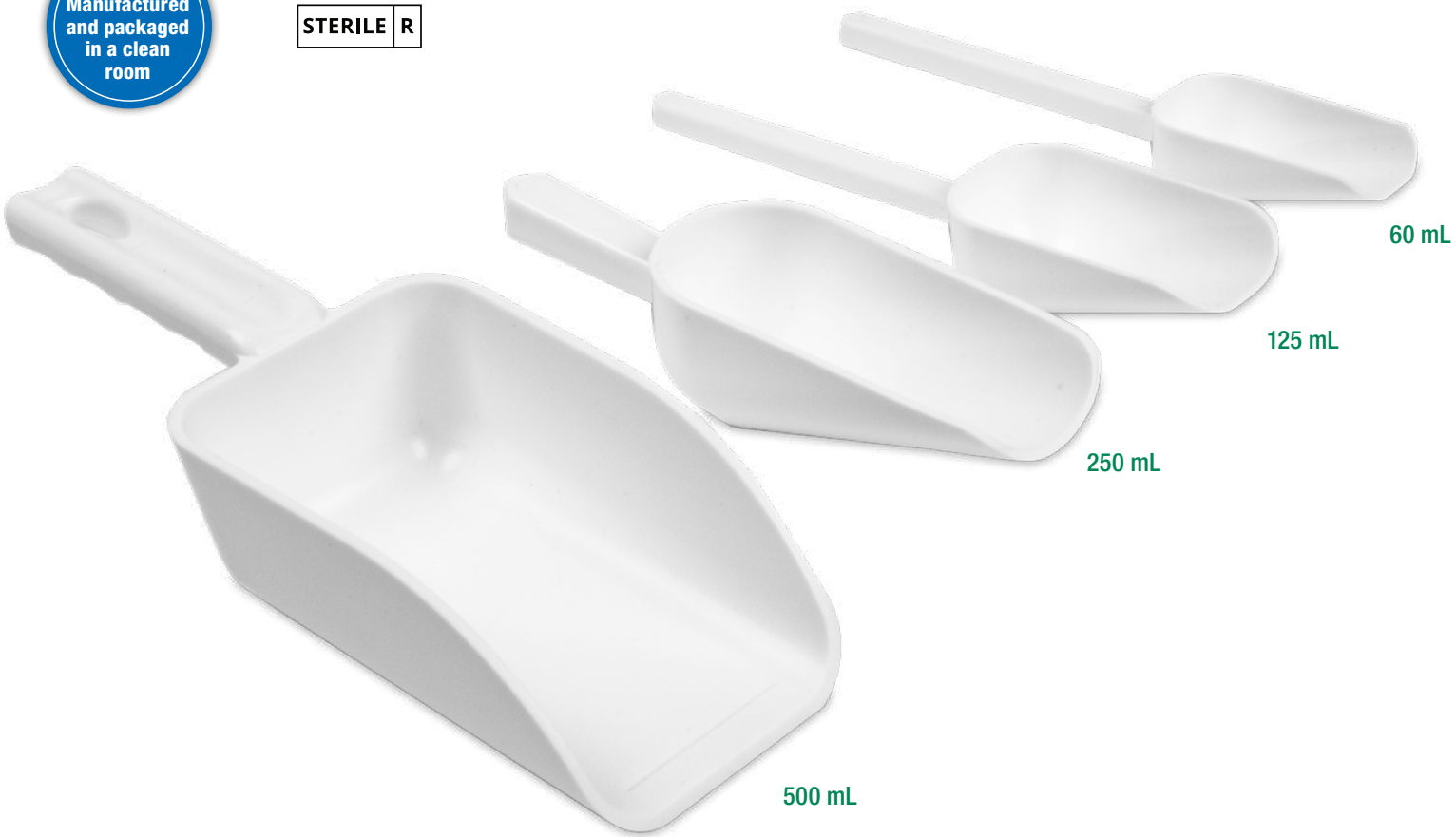
Safe Sample Recovery

- Disposable to ensure no chemical cross-contamination
- Made from FDA food grade polystyrene in an ISO 8 Class clean room
- Meets quality control and GMP requirements for sampling
- Available in both, sterile* and non-sterile for intended usage

*Electron beam sterilized and individually wrapped
Certificate of Sterility available upon request

Manufactured and packaged in a clean room

STERILE R







Small Sampling Scoop

Item No.	Description	Volume	L x W x H *in*	L x W x H *mm*	Sterile	UOM
120858	Small Sampling Scoop Non-Sterile	60 mL/2 oz.	8.1 x 1.6 x 1.1	205 x 40 x 27		Case 200; 20 x 10/Bulk
120857	Small Sampling Scoop Sterile	60 mL/2 oz.	8.1 x 1.6 x 1.1	205 x 40 x 27	✓	Case 200; 20 x 10/Single Bag







Medium Sampling Scoop

Item No.	Description	Volume	L x W x H *in*	L x W x H *mm*	Sterile	UOM
120856	Medium Sampling Scoop Non-Sterile	125 mL/4 oz.	8.6 x 1.9 x 1.3	218 x 49 x 38		Case 200; 20 x 10/Bulk
120855	Medium Sampling Scoop Sterile	125 mL/4 oz.	8.6 x 1.9 x 1.3	218 x 49 x 38	✓	Case 200; 20 x 10/Single Bag





Large Sampling Scoop

Item No.	Description	Volume	L x W x H *in*	L x W x H *mm*	Sterile	UOM
120854	Large Sampling Scoop Non-Sterile	250 mL/8 oz.	7.7 x 2.3 x 1.7	195 x 58 x 44		Case 200; 20 x 10/Bulk
120853	Large Sampling Scoop Sterile	250 mL/8 oz.	7.7 x 2.3 x 1.7	195 x 58 x 44	✓	Case 200; 20 x 10/Single Bag





XLarge Sampling Scoop

Item No.	Description	Volume	L x W x H *in*	L x W x H *mm*	Sterile	UOM
120852	XLarge Sampling Scoop Non-Sterile	500 mL/16 oz.	10.0 x 3.6 x 2.1	255 x 92 x 53		Case 200; 20 x 10/Bulk
120851	XLarge Sampling Scoop Sterile	500 mL/16 oz.	10.0 x 3.6 x 2.1	255 x 92 x 53	✓	Case 200; 20 x 10/Single Bag

smartPicks® Inoculation Picks

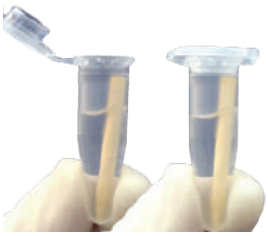
The 'smart' way to isolate individual colonies

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 complies with FDA standards for food contact
- Available in semi or needle point styles for delicate operations

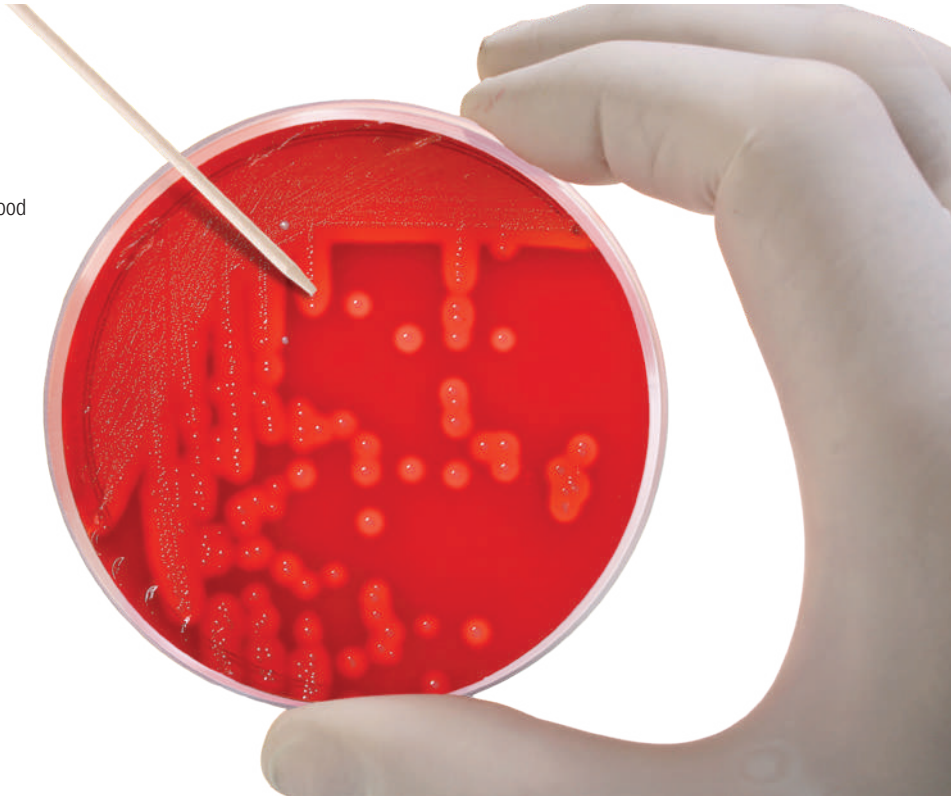
AUTOCLAVABLE 121° C





Mini Sized SmartPicks
fit neatly into a 1.5 mL microfuge tube allowing the lid to be closed for full sample transfer/recovery

Drop it in & Close it up!



Item No.	Size	Point	Tip	Suggested Tube *mL*	Packaging	Length *in*	Length *cm*
120010	Mini	Needle Point	Single Tip	Fits 1.5 tube (closed)	2,000	1.3	3.3
120011	Standard	Semi Point			1,600	2.5	6.4
120012	Standard	Needle Point					

smartPicks® is a trademark of LevGo Inc.

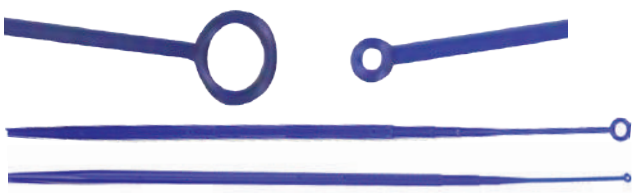
Inoculating Needle/Loops

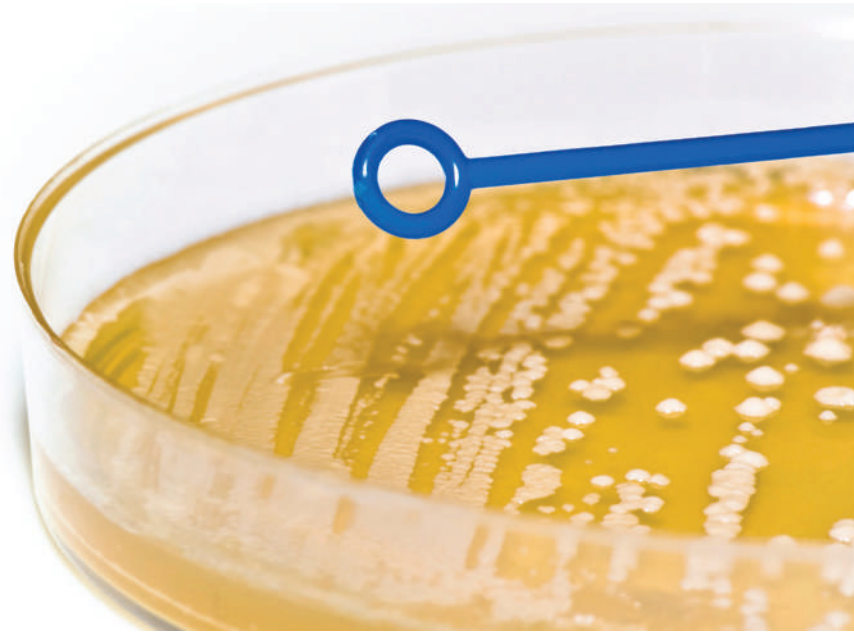
Combination provides choice to spread or pick colonies and cultures

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
- Lot-to-lot traceability

STERILE EO





Item No.	Color	Material	Loop *µL*	L x D *in*	L x D *cm*	Packaging *1,000 per Box*	Sterile
HS81121A	Blue ■	Flexible PP	1	7.9 x .2	20 x .4	50 x 20pk	✓
HS81121B		Rigid ABS					
HS81121C	Blue ■	Flexible PP	10	7.9 x .2	20 x .4	50 x 20pk	✓
HS81121D		Rigid ABS					

Cell Spreaders

Delta™

- Made from ABS
- Flexible rippled handle and domed spreading bar to help reduce agar tears

STERILE R



Domed Headpiece
promotes smooth spreading

L-Shape

- Made from ABS
- Lot-to-lot traceability
- 10 Pack comes in a zip bag

STERILE R



Stainless Steel

- Flame-sterilizable
- Reusable

AUTOCLAVABLE 121° C



Item No.	Shape	L x W x H *in*	L x W x H *cm*	Packaging	Sterile
HS8151	Delta™	6.8 x 1.5 x .2	17.2 x 3.7 x .4	500/Single Wrap	✓
HS8171A	L-Shape	5.7 x 1.5 x .2	14.6 x 3.8 x .4	500/Single Wrap	✓
HS8171B				500, 50 x 10 Pack	✓
HS86655	Stainless Steel	8 x 1.3 x .2	20.3 x 3.3 x .4	1/Single Wrap	

Petri Dish Dispenser

- Sturdy acrylic holds up to 30 x 100 mm dishes in two easy-access partitions
- Set on counter or wall mount with included hardware

Item No.	L x W x H *in*	L x W x H *cm*
HS23452	8.7 x 4.2 x 9.3	22.2 x 10.7 x 23.6

MADE IN USA



Need help counting cells?

For accurate cell counts, check out our Digital and Manual cell counting solutions



Hand Tally Counter, Page 43



eCount, Page 42



Benchtop Counters, Page 43

Tubes & Vials

Reliable sample storage



Micro & Conical Centrifuge Tubes

Screw-top Tubes

Cryogenic Vials

Micro & Conical Centrifuge Tubes

Available in natural and pure black for light sensitive samples

Microcentrifuge Tubes:
0.2, 0.5 and 1.5 mL *(a-d)*

- 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

AUTOCLAVABLE 121° C

NON STERILE

Certified DNase, RNase & Pyrogen Free (a, b, c only)



Microcentrifuge Tubes

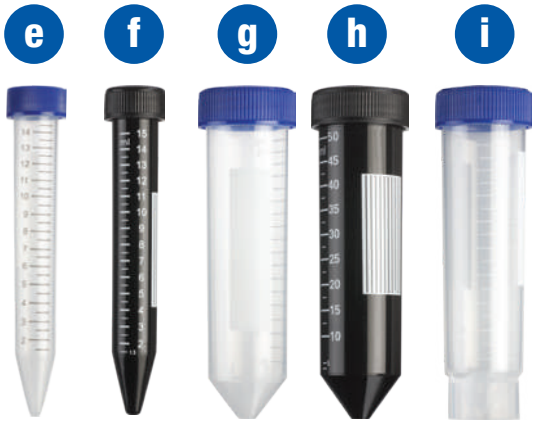
	Item No.	Color	Vol. *mL*	Outer Dimension *mm*	Closed Height *mm*	Graduations *mL*	Max RCF Rating	Packaging
a	**HS4423**	Natural ☐	0.2	6.9	22.2	None	15,000 x g	1,000/Bulk
b	**HS4422**	Natural ☐	0.5	10.1	31.7	0.1, 0.3, 0.5	15,000 x g	1,000/Bulk
c	**HS4323**	Natural ☐	1.5	10.8	39.0	0.1, 0.5, 1	16,400 x g	500/Bulk
c	**HS4325**	Natural ☐	1.5	10.8	39.0	0.1, 0.5, 1	16,400 x g	1,000/Bulk
d	**HS4323K**	Black ■	1.5	10.2	40.6	0.1, 0.5, 1, 1.5	18,000 x g	500/Bulk

Conical Centrifuge 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)
- Recyclable chipboard used for the racked versions, making them more environmentally friendly

AUTOCLAVABLE 121° C

STERILE R



Skirted

Certified DNase, RNase & Pyrogen Free *(f & h)*

Conical Centrifuge Tubes

	Item No.	Color	Vol. *mL*	Outer Dimension *mm*	Closed Height *mm*	Graduations *mL*	Max RCF Rating	Packaging *500 per Case*
e	**HS4426B**	Natural ☐	15	17	120	0.5	11,000 x g	Bulk/10 x 50pk
	HS4426R	Natural ☐	15	17	120	0.5	11,000 x g	Rack/10 x 50pk
f	**HS4428**	Black ■	15	17	120	0.5	9,400 x g	Bulk/10 x 50pk
g	**HS4427B**	Natural ☐	50	29	114	5.0	9,500 x g	Bulk/20 x 25pk
	HS4427R	Natural ☐	50	29	114	5.0	9,500 x g	Rack/20 x 25pk
h	**HS4429**	Black ■	50	29	114	5.0	9,400 x g	Bulk/20 x 25pk
i	**HS4427S**	Natural ☐	50	29 - skirted	114	5.0	9,500 x g	Bulk/20 x 25pk

Screw-top Tubes with O-ring Cap

Safer long-term storage

- Screw-on polypropylene lids with TPE O-ring (white)
- Clear polypropylene tubes provide excellent view of samples
- Skirted, self-standing base makes filling and retrieval easy
- Non-sterile

LOW TEMP -45° C AUTOCLAVABLE 121° C



Item No.	Color	Vol. mL	Outer Dimensions mm	Closed Height mm	Graduations mL	Max RCF Rating	Packaging
HS10060	Natural ☐	2.0	13.3	47.1	0.5, 1, 1.5	18,000 x g	500/Bulk

Cryogenic Vials

Innovative design saves space in your freezer

- Puncture/rupture-resistant polypropylene
- Silicone lid seal & patented lid with ergonomic 1.5 twist to open and close
- Flush cap saves space during storage
- Printed writing area and graduations
- Recommended for mechanical freezers and vapor phase LN_2 (-196°)

LOW TEMP -196° C STERILE R



Patented
easy-grip faceted lid

Writing Area & Graduations



Traceable Sterility Certificate
Sterile, non-pyrogenic, non-cytotoxic, DNase/RNase-free vials

US Patent No. D595,424

Item No.	Color	Vol. mL	Packaging	Outer Dim. mm	Grad. mL	Closed Height mm
HS23202A	Assorted ■■■■■*	2.0	500/50 x 10pk	12	12	49
HS23202N	Natural ☐					

**Assorted colors: Blue, Red, Green, Purple, Grey*

Explore our Tube Racks & Storage Products

Largest and most innovative portfolio in the Industry



Pop-Up Tube Racks, Page 103 *Microtube Storage Boxes,* Page 96 *Cube Tube Rack,* Page 97

Tube Racks & Storage

Classic, adaptable, interlocking racks and
everything in between



PCR & Microtube

Adaptable & Multi-Tube

Classic Single Racks

We like to push boundaries

We make new and better ways of lab work possible by supplying everyday lab-ware and equipment that solve problems, improves productivity, and saves space.



We strive to create versatile, adaptable and multi-functional products that deliver value.



With a spectrum of colors and modern styles, our products stimulate the mind.



PCR Tube Racks 96-Well

Perfect for pre- or post-PCR sampling

- Made of polypropylene
- Accommodates individual tubes or strips
- Removable hinged lid lies flat
- Alphanumeric identification for quick location and retrieval of tubes

AUTOCLAVABLE 121° C



Pack of 5

Item No.	Color	Item No.	Color
HS23461A	Assorted*	HS23461C	Blue
HS23461B	Natural	HS23461D	Green

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

Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
0.2	96	5.2	5 x 3.9 x 1.2	12.7 x 9.9 x 3.0



PCR Tube Racks Reversible

Removable hinged lid fits both sides

- Made of polypropylene
- 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 121° C

Pack of 5

Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in (cm)*
HS2344A	*	0.2	168	5.5	8.1 x 5.2 x 2.1 (20.6 x 13.1 x 5.3)
		0.5	40	7.6	
		1.5/2.0	12	11.4	

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

Engineering, OEM & Industrial Design

- We have in-house product engineering and R&D teams that are dedicated to delivering quality, innovative, efficient, and compact solutions that customers can rely on.
- We have a range of capabilities from private labeling to product development, design, packaging and manufacturing.



PCR Cooler, 96-Well

Ice-Free Cooling System for PCR Preparation and Storage

Cools industry standard format PCR tubes, strips and single format as well as most standard and low profile 96-Well plates

Consistent & Reliable

- Modern design cools faster in freezers and stays cold longer on the bench top
- Maintains the entire 96-Well plate at a temperature of 0 °C for over an hour
- Maintains sample temperature of less than 5°C for up to three hours (with lid off)
- When the temperature ceiling of 6°C has been exceeded, users are signaled by a contrasting color change of the cooler or a single well

Alphanumeric Well Identification
for quick location and retrieval of tubes



Lid doubles as a stand
enables the rack to stay cold longer as there is no conductive heat transfer from surface beneath

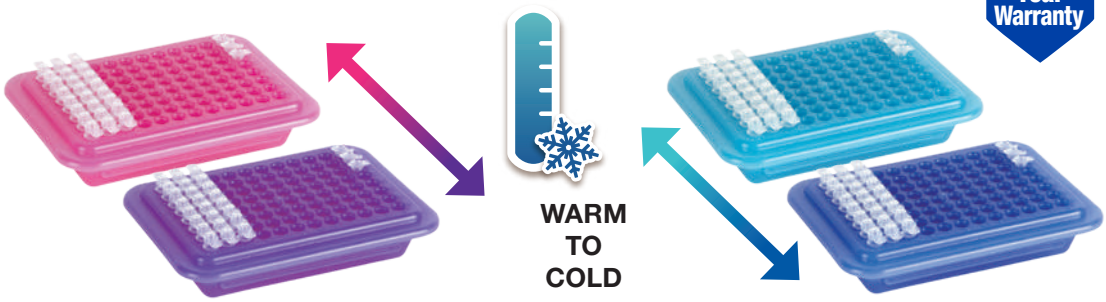




Vented Lid
enables faster cooling of samples while in freezer

2 Year Warranty

Ergonomic Textured Finger Grips
provide a secure hold, reducing the chance of dropping the PCR rack, and makes handling and transportation easy, especially when using gloves

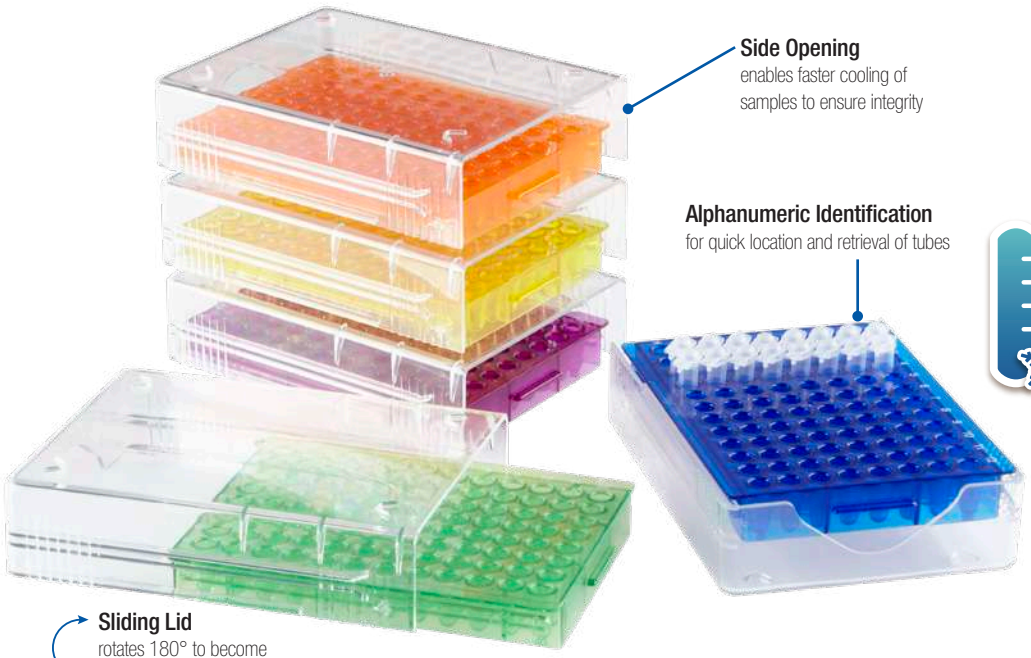


Two Color Contrasting Options Available
purple to pink or dark blue to light blue allowing easy monitoring of samples

US Patent Pending, Community Design No: 004101756-0001-0002 *Pack of 2*

Item No.	Warm Color	Cold Color	Wells	Tube Sizes *mL*	L x W x H *in*	L x W x H *cm*
120727	Pink	Purple	96	0.2 Assay Plates	4.3 x 5.8 x 1.9	11 x 14.8 x 4.8
120728	Light Blue	Dark Blue				
120729	Assorted*					

**Assorted colors (Light Blue/Dark Blue & Pink/Purple*



Side Opening
enables faster cooling of samples to ensure integrity

Alphanumeric Identification
for quick location and retrieval of tubes

Sliding Lid
rotates 180° to become a convenient stand the rack sits on

Low-Temp PCR Rack: 96-Well

Slide, set, work & store PCR samples

Multi-purpose rack converts from compact workstation to lidded storage solution accommodating individual and strip 0.2 mL tubes

Versatile & Robust Solution

- Polycarbonate lid serves as cover and elevated rack base - just slide open land pivot lid under rack for compact workstation
- Lid can be used in right or left-handed orientation and is detachable
- Stackable saving valuable bench-top and freezer space
- Multiple colors offered for coding options

LOW TEMP -80° C

US Patent Pending, Community Design No: 004101756-0001-0002 *Pack of 5*

Item No.	Color	Item No.	Color
120538	Assorted*	**120540**	Green
120539	Blue	**120541**	Purple

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



Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
0.2	96	5.2	4.9 x 3.6 x 1.5	12.5 x 9.2 x 3.7





Reversible Tube 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

Optimum Function & Identification

- Wells arranged in standard 8 x 12 array
- Molded in-grid lines separate 0.5 mL wells making them easier to see
- Raised rings around the 1.5 mL/2.0 mL wells make tubes easier to remove
- Alphanumeric identification for quick location and retrieval of tubes

Secure lid

- Translucent lid snaps onto rack tabs for secure, visible storage
- Spacious enough to fit most screw-top micro-centrifuge tubes
- Stackable, saving valuable space

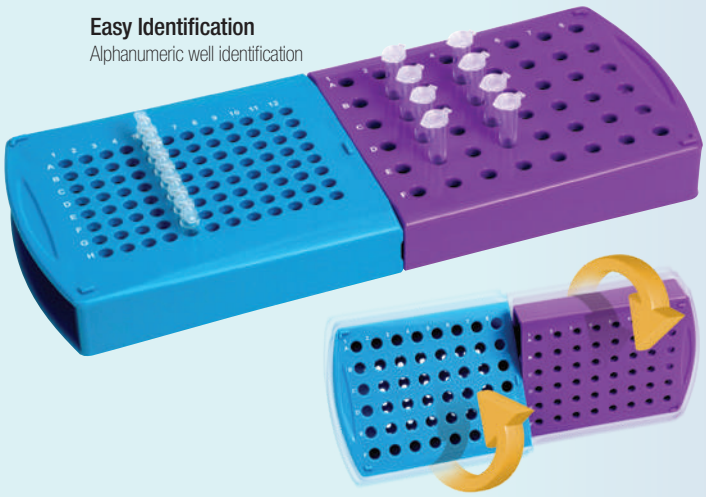
AUTOCLAVABLE 121° C

Pack of 5

Item No.	Color	Item No.	Color
HS2345A	Assorted*	HS2345D	Green
HS2345B	Natural	HS2345E	Pink
HS2345C	Blue	HS2345F	Yellow

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

Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
1.5/2.0	96	11	9.6 x 4.7 x 2	24.4 x 12 x 5.1
0.5		7.6		



Rota-Rack® Duo Tube Rack

Dilution and concentration studies made easy

Transfer solutions between 0.2 mL PCR tubes and 0.5 and 1.5 mL microcentrifuge tubes

- Purple section holds 48 x 0.5 mL and 48 x 1.5/2.0 mL microcentrifuge tubes on the reverse side
- Blue section holds 96 x 0.2 mL tubes and 48 x 1.5/2.0 mL tubes on the reverse side

AUTOCLAVABLE 121° C

Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
HS29041A	Blue/ Purple	0.2	96	5	11.6 x 4.6 x 1.3	29.6 x 11.8 x 3.4
		0.5	48	8		
		1.5/2.0	96	11		

Two Tier Microtube Rack 20-Well

Interlock multiple racks to increase tube storage

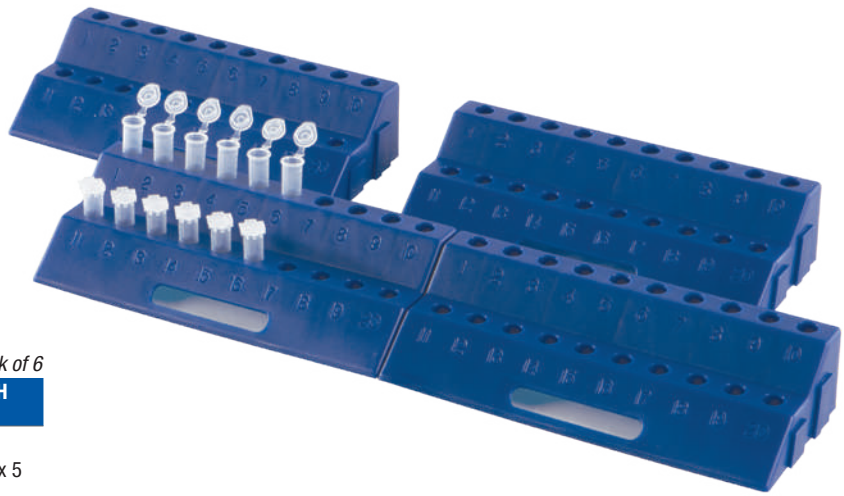
Improved Experience

- Tiered rack allows for improved staging and visibility for easier, more accurate sample filling and retrieval
- Made of easy to clean polypropylene
- Easily remove tubes using finger slot on front of the rack
- Embossed Index Numbers for quick sample ID and retrieval

AUTOCLAVABLE 121° C

Pack of 6

Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
HS4284A	Blue	1.0 / 1.5 / 2.0	20	10	8.3 x 3.5 x 2	21.1 x 9 x 5



Microtube Racks 80-Well

Popular fraction-collector-plate style rack

Compact 5x16 array makes filling and transfer easy

- Frosted labeling area on bottom of rack
- Embossed index numbers for quick sample ID and retrieval
- Made of polypropylene

AUTOCLAVABLE 121° C

Pack of 5

Item No.	Color	Part No.	Color
HS29025A	Natural	HS29025E	Yellow
HS29025B	Blue	HS29025F	Orange
HS29025C	Green	HS29025G	Assorted*
HS29025D	Pink	HS29025J	Red

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

Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
1.5/2.0	80	11	8.9 x 2.6 x 1	22.5 x 6.7 x 2.8





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
- Plenty of room to slide the racks in and out

Item No.	Description	Color	L x W x H *in*	L x W x H *cm*
HS23263A	Vertical	Clear	6.2 x 9.3 x 9.2	15.7 x 23.6 x 23.4
HS23263B	Horizontal	Clear	12.2 x 9.3 x 4.8	31 x 23.6 x 12.2

Microtube Racks

Durable, Simple to Use

- Made from reinforced nylon offering superior chemical and heat-resistance over most other plastic based racks
- Handles provide easy and safe transportation
- Stable design can be used in water baths
- Alphanumeric identification for quick location and retrieval of tubes

AUTOCLAVABLE 121° C



Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	Packaging	L x W x H *in*	L x W x H *cm*
120241	Blue	1.5/2.0	24	11.1	8	5.6 x 3.5 x 2	14.3 x 9 x 5.2
120243			96		4	8.3 x 5.2 x 2.1	21 x 13.1 x 5.4

Learn more about our convenient multi-functional working rack solutions:



Work 2 Store® Expanding Storage Box

Single rack, double function

Streamline and reduce sample handling time with this convenient working and storage rack, eliminating the need several racks when working with sample for cold temperature storage

Holds 64 x 1.5/2.0 mL cryo and/or microtubes

For more details and ordering information see page 113

TracRack® Tube Rack

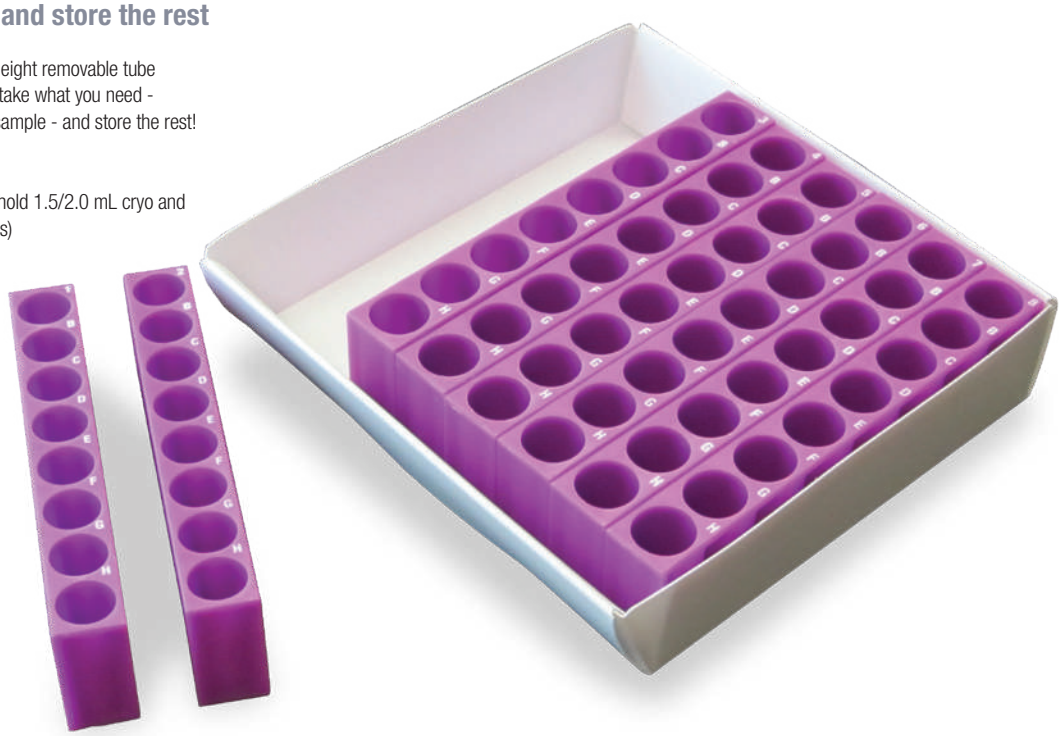
Take what you need and store the rest

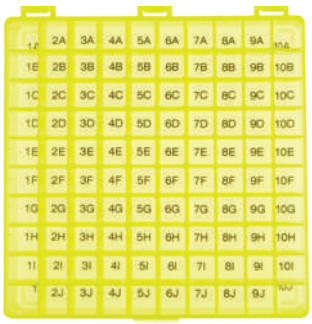
Comprised of a storage box and eight removable tube segments allowing you to easily take what you need - an entire segment or individual sample - and store the rest!

Convenient Rack System

- Eight polypropylene segments hold 1.5/2.0 mL cryo and microcentrifuge tubes (64 tubes)

For more details and ordering information see page 114





Alphanumeric Identification
for quick location and retrieval of tubes

Microtube Storage Boxes

- Hold 1.5 and 2.0 mL microcentrifuge tubes and cryogenic vials

AUTOCLAVABLE 121° C

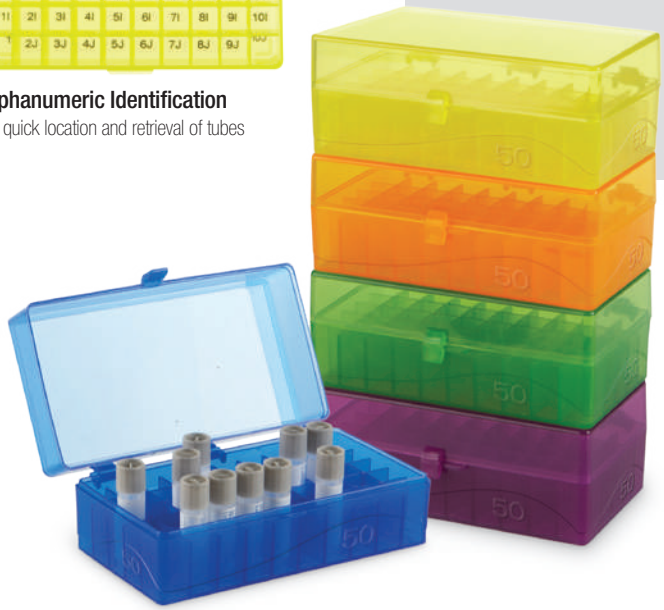
LOW TEMP -80° C

Stylish & Identifiable

- Made of translucent, vibrantly colored polypropylene allows for visibility inside box and color coding identification
- Tube capacity is indicated on the outside the box within a distinctive wave design
- Quick visual identification with uniform wells and alphanumeric location identification along with a frosted labeling area

Robust

- Easy open and secure lid fitted with either friction fit or snap clasp designs
- Stackable, saving valuable space in the lab



50-Well Microtube Storage Boxes

Pack of 5

Item No.	Color
120032	Natural
120033	Assorted*

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

Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
1.5/2.0	50	12.3	5.6 x 3.6 x 2.2	14.2 x 9.2 x 5.6



81-Well Microtube Storage Boxes

- Black, light blocking version available for light sensitive samples

Pack of 5

Item No.	Color	Item No.	Color
120034	Natural	120038	Yellow
120035	Blue	120039	Orange
120036	Green	120040	Assorted*
120037	Pink	120041	Black

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

Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
1.5/2.0	81	12.3	5.1 x 5.1 x 1.9	13 x 13 x 4.7



100-Well Microtube Storage Boxes

- Black, light blocking version available for light sensitive samples

Pack of 5

Item No.	Color	Item No.	Color
120042	Natural	120202	Green
120043	Black	120203	Yellow
120044	Assorted*	120204	Orange
120201	Blue		

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

Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
1.5/2.0	100	12.3	5.6 x 6 x 2.2	14.1 x 15.1 x 5.7

Rota-Rack® Tube Racks

Get organized with this interlocked rack

Each module is interlocked and adjustable with just a twist allowing you to work with multiple sized tubes in the same rack

- Suitable for variety of culture, centrifuge, micro-centrifuge, round, flat or conical bottomed tubes
- Two versions to accommodate small and large tube sizes

AUTOCLAVABLE 121° C

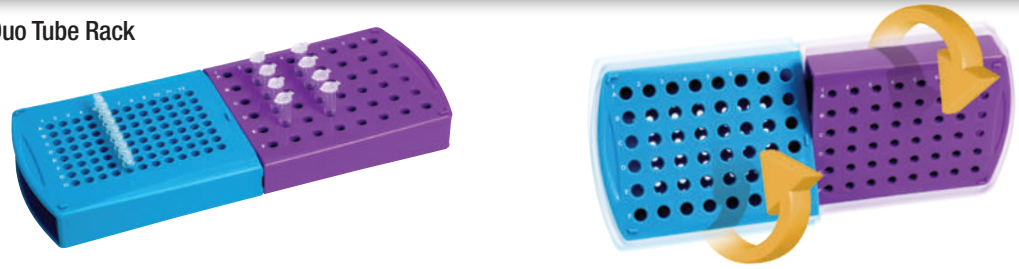
Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
HS29040A	Yellow	50	2	29	8.8 x 4.3 x 4.3	22.4 x 11 x 11
	Green	10–15	8	20		
	Blue	15–20	6	16		
	Purple	10–13	10	13.5		
HS29040B	Yellow	15	6	16.4	8.2 x 3.9 x 3.9	21 x 10 x 10
	Green	1.5/2.0	9	11.2		
	Blue	0.5	12	8		
	Purple	0.2	32	6.5		



Rotate and Customize
to suit your application needs

Version available for PCR and Microtubes:

Rota-Rack® Duo Tube Rack



Rota-Rack, Page 93

Cube Tube Rack

Interlocking multi-tube racks

- Made of polypropylene
- Allows you to work with different sized tubes all in one unit

AUTOCLAVABLE 121° C

Pack of 5

Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
HS29050A		50	4	30	4.3 x 4.3 x 4.5	10.8 x 10.8 x 11.3
		15	10	17		
		3-7	12	12.5		
	*	1.5/2.0	16	11.5		

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





4-Way Tube Rack

Link together to meet your application needs

Versatile

- Use as standalone unit or infinite units can be linked to create configurations to fit number of wells and tube sizes needed

Robust Functional Design

- Molded alphanumeric identification for quick location and retrieval of tubes
- Made from polypropylene that is chemical resistant and easy to clean
- Racks can be used in water baths and placed in freezer

AUTOCLAVABLE 121° C

Pack of 5

Item No.	Color	Item No.	Color
HS29022A	Natural	**HS29022E**	Yellow
HS29022B	Blue	**HS29022F**	Orange
HS29022C	Green	**HS29022G**	Assorted*
HS29022D	Pink		

**Assorted Colors (Blue, Green, Pink, Yellow, Orange)*

Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
50	4	30	6.9 x 3.7 x 2.1	17.4 x 9.5 x 5.2
15	12	17.5		
0.5	32	8.2		
1.5/2.0	32	11.6		

Check out our Clinical Version

Accommodates all brands of 13 and 17 mm round, flat and conical bottom blood collection & culture tubes



Clinical 4-Way Tube Rack, Page 60

Transformer Cube Tube Rack

Low temp storage of large samples, 15 mL & 50 mL tubes

- Quick change over with 2 snap-in inserts that hold 15 and 50 mL tubes
- Rack keyed and numeric wells for tube identification
- Clear Lid included for viewable, stackable storage
- Open space available under insert for extra storage

AUTOCLAVABLE 121° C

LOW TEMP -80° C



Pack of 5

Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *Dia.*	L x W x H *cm*
HS23271A	Purple ■	15	16	18	4.9 x 4.9 x 5	12.5 x 12.5 x 12.9
		50	9	31		

OneRack® Multi

Exclusive design, optimal functionality

The most flexible tube rack designed for use with a multitude of tube diameters and heights

Holds virtually any brand tube 10-30 mm of varying heights

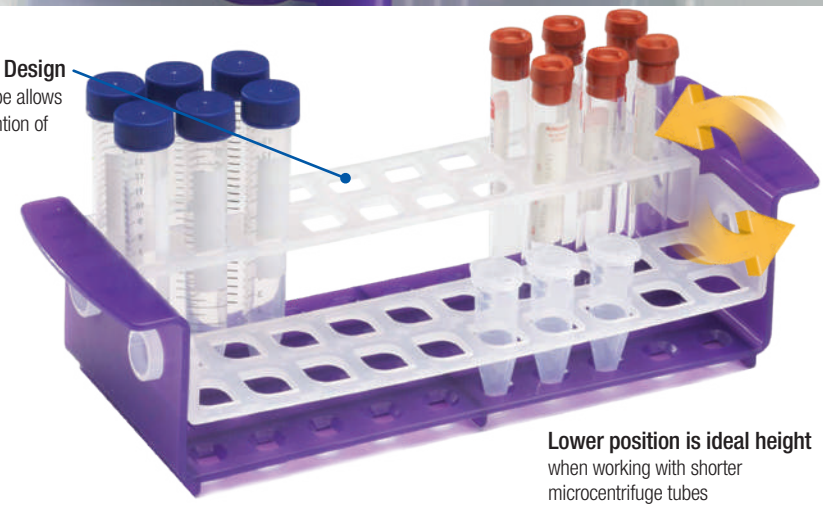
Multiple Configurations for Workflow Efficiency

- Interchangeable tube rack inserts hold multiple tube sizes firmly in place when alternating between sample vessels
- Inserts can be pivoted in either an upper or lower position to securely accommodate the size and height of tube being used

Multi-Functional Design

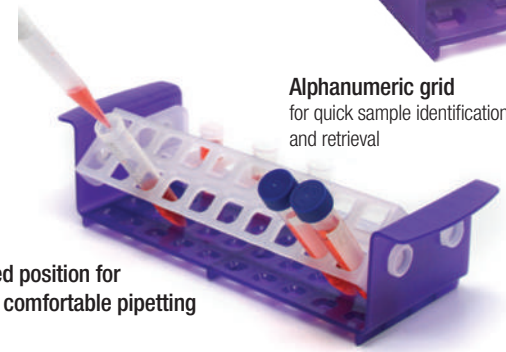
- Open design allows for better filling visibility of tube graduations when filling
- Rack wells have a unique teardrop design that enables better retention of tubes over traditional designs
- Rotate tube rack insert to an angle position to facilitate more comfortable pipetting

AUTOCLAVABLE 121° C



Unique Well Design
Tear drop shape allows for better retention of tubes

Lower position is ideal height
when working with shorter microcentrifuge tubes



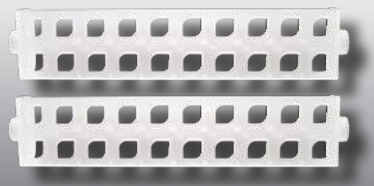
Angled position for more comfortable pipetting

Alphanumeric grid
for quick sample identification and retrieval

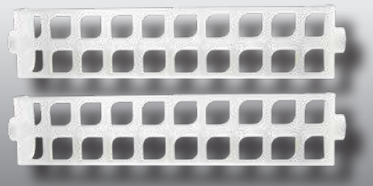
Ergonomic handles
for ease of transporting the rack



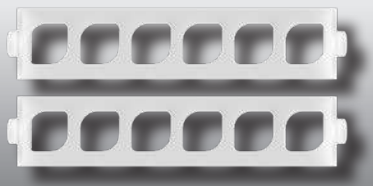
Included:
1 Base + 6 Tube Rack Inserts



Two 10-13 mm Tube Racks Fits 5 mL, 7.5 mL, 10 mL Tubes



Two 13-17 mm Tube Racks Fits 5 mL, 15 mL Tubes



Two 25-30 mm Tube Racks Fits 25 mL, 50 mL Tubes

OneRack® Multi

US Patent No. 9776188

Item No.	Color	L x W x H *in*	L x W x H *cm*	# Inserts Included	Well Dia./Insert	Wells/Insert
120817	Blue/Natural ■□	12.2 x 4.2 x 3	30.9 x 10.7 x 7.7	6 (2 ea/ Diameter)	13 mm	20
					17 mm	20
					30 mm	6
120818	Purple/Natural ■□	12.2 x 4.2 x 3	30.9 x 10.7 x 7.7	6 (2 ea/ Diameter)	13 mm	20
					17 mm	20
					30 mm	6

Adapt-a-Rack® Adaptable Multi-tube Rack

Each well has fingers that flex that adapt to accommodate a variety of tubes sizes while holding them in a firm upright position

- Made of POM
- Racks can be linked together for additional 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 121° C





Pack of 2

Item No.	Rack #1 Color	Rack #2 Color
120184	Blue/Green	Green/Blue
120185	Blue/Yellow	Yellow/Blue
120186	Pink/White	White/Pink
120187	Blue/Blue	Blue/Blue
120188	White/White	White/White
120189	Pink/Pink	Pink/Pink
120190	Yellow/Yellow	Yellow/Yellow
120191	Green/Green	Green/Green

Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
7–50	4	12–30	7.1 x 2.2 x 3	18.1 x 5.6 x 7.6

Looking for floating racks for use in water or ice baths:



Floating Tube & Microtube Racks, Page 110

One-Well Connecting Tube Racks

Form a line or use as a single, stand-alone polypropylene rack

- Open Design enables easy identification of samples
- Molded circular base ring keeps conical or round-bottom tubes in place

Pack of 5

Item No.	Color	Tubes mL	Wells	Well Dia. mm	L x W x H in	L x W x H cm
HS23052	■■■■■*	50	1	29	3.2 x 2.8 x 2.6	8.3 x 7 x 6.7

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



One-Well Friction-Fit Tube Rack

- Made from polystyrene
- Open Design enables easy identification of samples
- Holds conical and round bottom tubes
- Slides smoothly across the benchtop

One-Well Wire Tube Rack

- HDPE-coated steel wire
- Holds conical and round bottom tubes
- Open Design enables easy identification of samples
- Base ring keeps tubes in place

AUTOCLAVABLE 121° C

LOW TEMP -40° C

One-Well Friction-Fit Tube Rack

Pack of 5

Item No.	Color	Tubes mL	Wells	Well Dia. mm	W x H in	W x H cm
HS23053A	Blue ■	50	1	29	3.6 X 1.2	9.2 x 3

One-Well Wire Tube Rack

Item No.	Color	Tubes mL	Wells	Well Dia. mm	L x W x H in	L x W x H cm
HS23051	Yellow ■	50	1	29	3.5 x 2.6 x 2.6	9 x 6.7 x 6.7





Snap-Together Conical Tube Rack

Space Saver - shipped flat and easy-to-assemble

Conveniently holds 15 and 50 mL tubes simultaneously

- ABS racks snap together securely and are designed for stable use in water baths
- Alphanumeric identification for quick location and retrieval

Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in (cm)*
HS24306	Orange ■	15	30	17	8.1 x 6.7 x 2.4
		50	20	28	(17.1 x 17 x 6.1)





Universal Tube Rack

Ideal for holding a wide range of tubes

- Made of polypropylene
- Holds up to 12 similar size tubes
- Alphanumeric identification for quick location and retrieval of tubes
- Side handles for easy transport

Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
HS24330A	White/Purple □ ■	15–50	12	16–30	7.6 x 5.5 x 2	19.4 x 14 x 5.1

Pop-Up Tube Racks

Collapse for compact storage and "pop-up" for quick use





Designed to save space!

- Easy to open, holds 15 and 50 mL tubes
- Easy to close, stackable for compact storage
- Alphanumeric well identification for quick location and retrieval of samples

Pack of 2

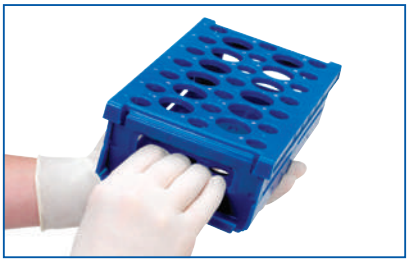
Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*
HS24320B	Blue	15, 50	21, 12	17, 30
HS24320P	Pink			
HS24318	Purple	15	45	17
HS24319	Green	50	18	30

L x W x H *(Expanded) in*	L x W x H *(Collapsed) in*	L x W x H *(Expanded) cm*	L x W x H *(Collapsed) cm*
10 x 5.4 x 2.8	10 x 5.4 x 0.8	25.5 x 13.7 x 7.2	25.5 x 13.7 x 2.1

Save Space

Rack easily "Pops" open for easy use







Fold and Snap Tube Rack

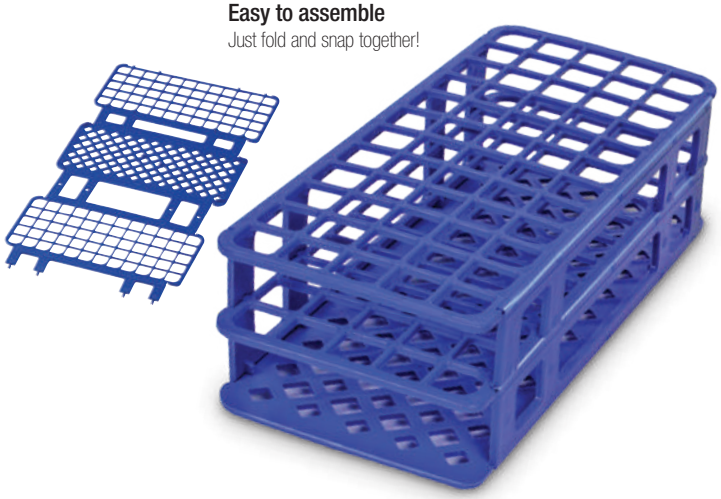
Economical durable rack

- Polypropylene racks ship flat in one piece
- Easy-to-assemble, just fold and snap together
- Stable design can be used in water baths
- Open design allows samples to be incubated at the same temperature
- Color code for easy identification

AUTOCLAVABLE 121° C

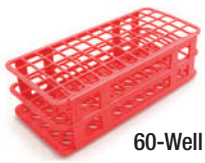
Easy to assemble

Just fold and snap together!

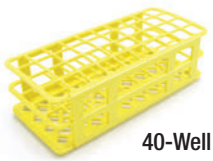




90-Well



60-Well



40-Well

Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
HS243073B	Blue	5–10	90	13	9.6 x 4.1 x 2.4	24.5 x 10.5 x 6.3
HS243073W	White					
HS243073R	Red					
HS243073Y	Yellow					
HS243077B	Blue	5–15	60	16	9.6 x 4.2 x 2.8	24.5 x 10.8 x 7.2
HS243077W	White					
HS243077R	Red					
HS243077Y	Yellow					
HS243071B	Blue	5–30	40	20	9.8 x 4.2 x 2.8	24.9 x 10.8 x 7.2
HS243071W	White					
HS243071R	Red					
HS243071Y	Yellow					



OneRack® Tube Rack

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

Durable racks are molded in a single, continuous piece so no assembly required and no detachable pieces

Intuitive Design

- Unique tear drop shaped openings offer better retention of tubes
- Molded in coordinates for tube orientation
- Flat labeling area for easier identification
- Stable design for use with water baths

Available in two materials:

Fiberglass-Reinforced Polyoxymethylene (POM)

- Available in half and full rack sizes for 5 different tube diameters
- Offers the highest chemical and heat resistance (-40 to +121°C)

Polypropylene

- Available in full rack sizes for 2 different tube diameters
- Offers good chemical and heat resistance (0 to 110°C)

AUTOCLAVABLE 121° C | LOW TEMP -40° C

OneRack® Full-Size POM

Item No.	Color	Tubes mL	Wells	Well Dia. mm	L x W x H in (cm)
HS27511A	White	5–10	72	13	7.9 x 4 x 2.3 (20.2 x 10.4 x 5.9)
HS27511B	Blue				
HS27511C	Green				
HS27511D	Magenta				
120205	Yellow				
HS27512A	White	5–10	72	16	9.8 x 5 x 2.7 (25 x 12.7 x 7)
HS27512B	Blue				
HS27512C	Green				
HS27512D	Magenta				
120206	Yellow				
HS27513A	White	10–18	40	20	9.9 x 3.9 x 3.2 (25.2 x 10 x 8.3)
HS27513B	Blue				
HS27513C	Green				
HS27513D	Magenta				
HS27514A	White	10–18	40	25	11.8 x 4.7 x 3.6 (30 x 12 x 9.2)
HS27514B	Blue				
HS27514C	Green				
HS27514D	Magenta				
HS27515A	White	15–50	24	30	11.1 x 4.3 x 3.3 (28.2 x 11 x 8.5)
HS27515B	Blue				
HS27515C	Green				
HS27515D	Magenta				
120207	Yellow				

AUTOCLAVABLE 121° C | LOW TEMP -40° C

OneRack® Half-Size POM

Item No.	Color	Tubes mL	Wells	Well Dia. mm	L x W x H in (cm)
HS27501A	White	5–10	36	13	4.1 x 4.1 x 2.3 (10.4 x 10.4 x 5.9)
HS27501B	Blue				
HS27501C	Green				
HS27501D	Magenta				
120398	Yellow				
HS27502A	White	5–10	36	16	5 x 5 x 2.7 (12.7 x 12.7 x 7)
HS27502B	Blue				
HS27502C	Green				
HS27502D	Magenta				
120399	Yellow				
HS27503A	White	10–18	20	20	4 x 5 x 3.2 (10 x 12.7 x 8.3)
HS27503B	Blue				
HS27503C	Green				
HS27503D	Magenta				
HS27504A	White	10–18	16	25	4.7 x 4.8 x 3.6 (12 x 12.2 x 9.2)
HS27504B	Blue				
HS27504C	Green				
HS27504D	Magenta				
HS27505A	White	15–50	9	30	4.3 x 4.3 x 3.3 (11 x 11 x 8.5)
HS27505B	Blue				
HS27505C	Green				
HS27505D	Magenta				

OneRack® Full-Size Polypropylene

Item No.	Color	Tubes mL	Wells	Well Dia. mm	L x W x H in (cm)
HS27551A	White	5–10	72	13	7.9 x 4 x 5.9 (20.2 x 10.4 x 5.9)
HS27551B	Blue				
HS27551C	Green				
HS27551D	Magenta				
HS27552A	White	5–10	72	16	9.8 x 5 x 2.7 (25 x 12.7 x 7)
HS27552B	Blue				
HS27552C	Green				
HS27552D	Magenta				

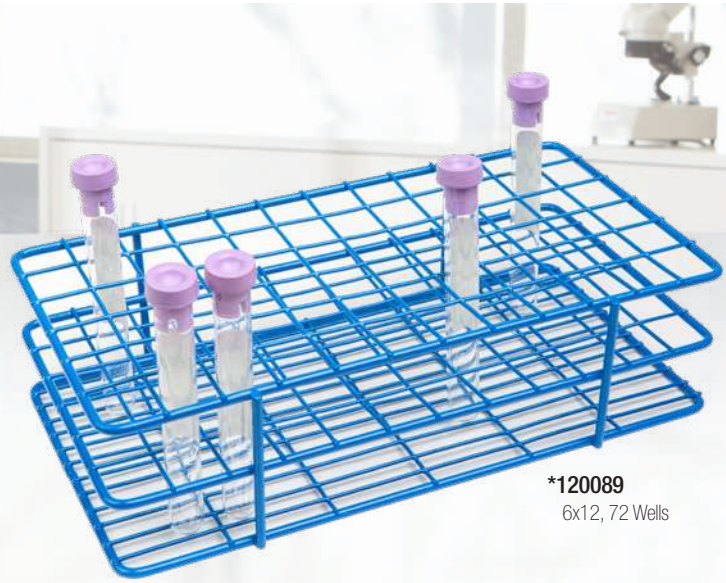
Coated Wire Racks

Chemically resistant HDPE Coated Wire Racks

- Holds all brands and types of conical, round or flat bottom, glass or plastic, tubes and/or bottles
- Square wells and three deck levels help keep tubes secure

AUTOCLAVABLE 121° C

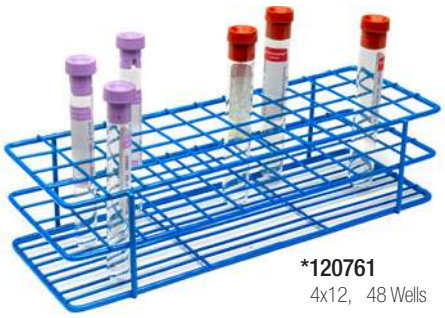
LOW TEMP -40° C



*120089
6x12, 72 Wells

Fits 10-13 mm Tubes

Item No.	Color	Tube Array	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
120089*	Blue	6x12	72	13	8.1 x 4.1 x 2.6	20.5 x 10.5 x 6.5
120759	Blue	9x12	108	13	8 x 6.4 x 2.6	20.4 x 16.1 x 6.5



*120761
4x12, 48 Wells

Fits 13-16 mm Tubes

Item No.	Color	Tube Array	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
120760	Blue	4x10	40	16	7.9 x 3.3 x 2.4	20 x 8.3 x 5.9
120761*	Blue	4x12	48	16	9.4 x 3.3 x 2.4	23.7 x 12.7 x 5.9
HS23072	Blue	6x12	72	16	9.5 x 5 x 2.6	24.1 x 18.8 x 6.5
120763	Blue	9x12	108	16	9.3 x 5 x 2.6	23.7 x 12.7 x 6.5
HS23108	Red	9x12	108	16	9.3 x 5 x 2.6	23.7 x 12.7 x 6.5

Fits 16-18 mm Tubes – 1 5mL

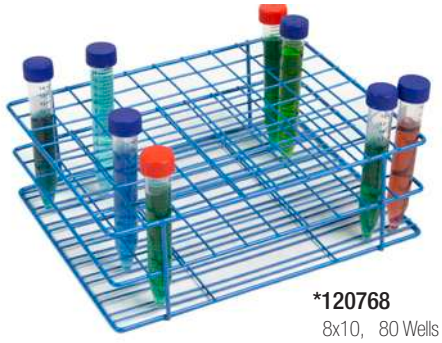
Item No.	Color	Tube Array	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
HS23215*	Blue	3x5	15	20	5 x 3 x 3	12.7 x 7.6 x 7.6

Fits 16-20 mm Tubes – 15 mL

Item No.	Color	Tube Array	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
120764	Blue	4x10	40	20	9.5 x 3.9 x 3.1	24 x 9 x 8
120765	Blue	8x10	80	20	9.5 x 7.6 x 3.1	24 x 19 x 8



*HS23215
3x5,
15 Wells



*120768
8x10, 80 Wells

Fits 20-24 mm Tubes

Item No.	Color	Tube Array	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
120766	Blue	4x10	40	24	10.2 x 4.2 x 3.2	26 x10.7 x 8

Fits 20-25 mm Tubes

Item No.	Color	Tube Array	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
120769	Blue	3x8	24	25	10.7 x 4.1 x 3.2	27.3 x 10.5 x 8
120767	Blue	4x10	40	25	11.4 x 4.7 x 3.1	29 x 11.8 x 8
120768*	Blue	8x10	80	25	11.4 x 9.1 x3.1	29 x 23 x 8

Coated Wire Racks

Chemically resistant HDPE Coated Wire Racks



*HS232461
2x4, 8 Wells

Fits 25-30 mm Tubes - 50 mL

Item No.	Color	Tube Array	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
HS232461*	Blue	2x4	8	30	5.8 x 3.2 x 3.5	14.7 x 8 x 8.9
120770	Blue	6x8	48	30	10.9 x 8.3 x 3.9	27.7 x 20.9 x 9.8

Fits 30-40 mm Tubes

Item No.	Color	Tube Array	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
120771*	Blue	3x8	24	40	14.1 x 5.5 x 3.9	35.7 x 13.9 x 9.8
120772	Blue	6x8	48	40	14 x 10.6 x 3.8	35 x 26 x 9.8



*120771
3x8, 24 Wells



*120086
5x10, 50 Wells

Fits 23-25 mm Bottles - Bijou Bottles

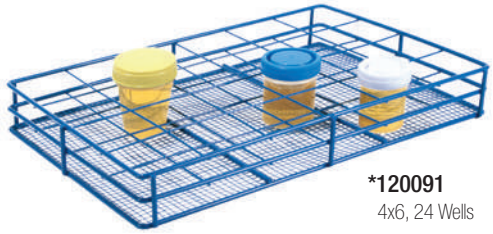
Item No.	Color	Tube Array	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
120085	Blue	2x6	12	25	6.4 x 2.5 x 1.3	16.4 x 6.4 x 3.2
120086*	Blue	5x10	50	25	10.7 x 5.7 x 1.3	27.1 x 14.5 x 3.2

Fits 30-33 mm Bottles - Universal & McCartney Bottles

Item No.	Color	Tube Array	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
120087*	Blue	2x6	12	33	8.3 x 3.1 x 2.4	21.2 x 8 x 6
120088	Blue	5x10	50	33	8.7 x 3.2 x 2.4	21.8 x 8.2 x 6



*120087
2x6, 12 Wells



*120091
4x6, 24 Wells

Fits 55-58 mm Bottles - Urine Containers

Item No.	Color	Tube Array	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
120091*	Blue	4x6	24	58	15.5 x 10.3 x 2	39.3 x 26.2 x 5

Fits 55-60 mm Bottles - Centrifuge Bottles

Item No.	Color	Tube Array	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
HS23224*	Blue	2x3	6	60	8.1 x 5.3 x 4.1	20.5 x 13.5 x 10.4



*HS23224
2x3, 6 Wells

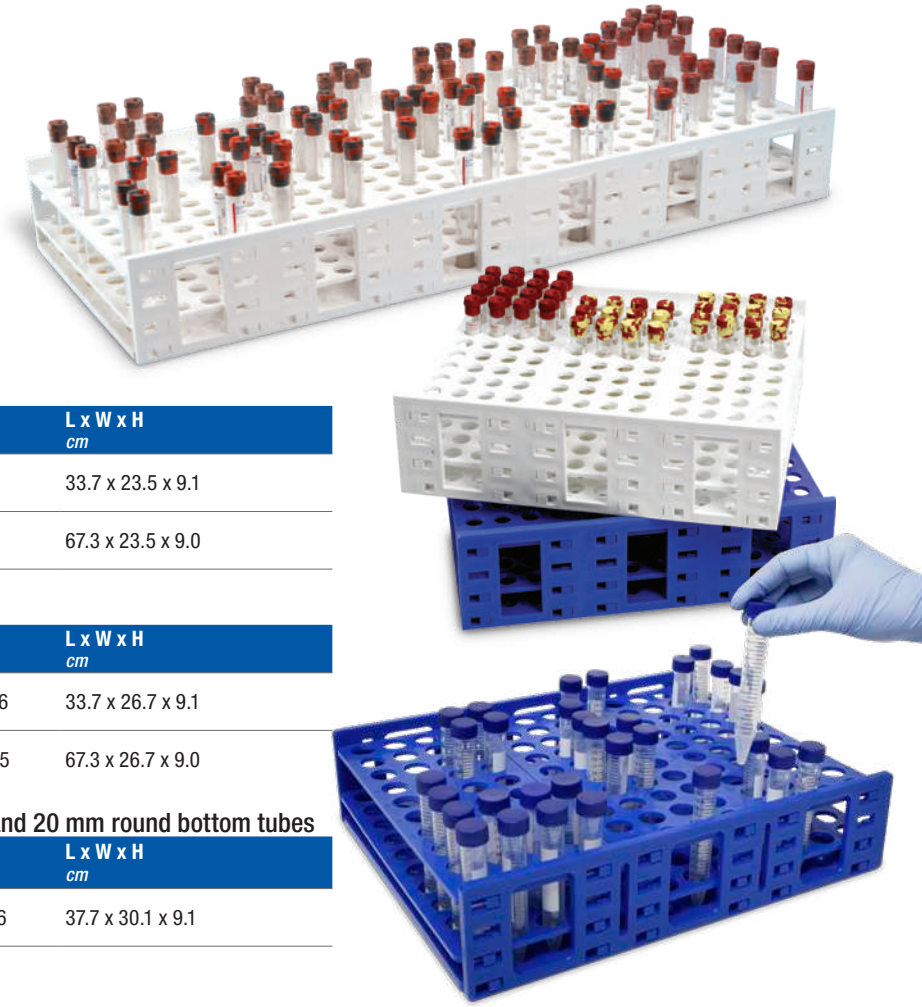
Mega Rack®

High-capacity storage for your tubes

AUTOCLAVABLE 121° C

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

- Sturdy, material for easy and secure transport of blood collection and other tubes
- Alphanumeric identification for quick location and retrieval of tubes
- Place different test groupings into one rack eliminating the need for multiple racks



Mega Racks® 10-13 mm - Holds 5-7 mL sample tubes

Item No.	Color	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
HS24322A	Blue ■	216	13	13.3 x 9.3 x 3.6	33.7 x 23.5 x 9.1
HS24322E	White □				
120112	White □	432	13	26.5 x 9.3 x 3.5	67.3 x 23.5 x 9.0
120113	Blue ■				

Mega Racks® 13-16 mm - Holds 10 mL sample tubes

Item No.	Color	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
HS24323A	Blue ■	120	16	13.3 x 10.5 x 3.6	33.7 x 26.7 x 9.1
HS24323E	White □				
120114	White □	240	16	26.5 x 10.5 x 3.5	67.3 x 26.7 x 9.0
120115	Blue ■				

Mega Racks® 18-20 mm - Holds 15 mL conical/swab tubes and 20 mm round bottom tubes

Item No.	Color	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
120834	White □	120	20	14.9 x 11.9 x 3.6	37.7 x 30.1 x 9.1
120835	Blue ■				

Peg Tube Racks

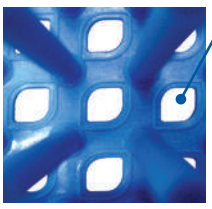
Strong, tough, versatile racks for bench use or tube storage

AUTOCLAVABLE 121° C

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

- Spacious peg design allows easy viewing of tube contents
- Pegs remain straight even after repeated autoclaving
- Embossed alphanumeric identification for quick location and retrieval of tubes





Unique tear drop well design
allows for better retention of tubes

Pack of 2

Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
HS24311A	White □	10	50	14–17	7.4 x 4.1 x 2.7	18.8 x 10.4 x 6.9
HS24311B	Blue ■					
HS24312A	White □	7	96	10–13	3.2 x 5 x 2.7	8.2 x 12.6 x 6.9
HS24312B	Blue ■					

View our complete line of Freezer Storage Boxes



Freezer Storage Boxes, Starting on Page 119

Cold Products & Storage

From cool-looking ice containers to freezer necessities,
our innovative range of cold products continues to expand



Cooling Containers

Low Temp Racks & Storage

Freezer Boxes, Racks & Accessories



Cool Containers

Durable containers for chilling temperature-sensitive samples

Suitable for low temperature use. Ideal for ice, ice slurries and CO_2 pellets

- Made from polyurethane with metal inserts for stability
- Close-fit lid keeps evaporation to a minimum and features a comfortable recessed knob
- Tapered design for easy stacking
- Precise pour spout and large handles

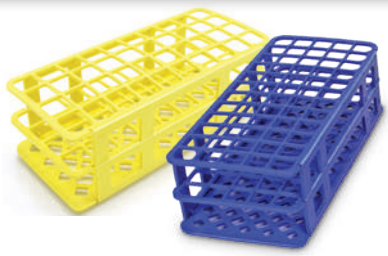
LOW TEMP -80° C



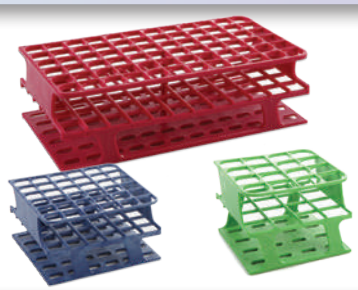
Lid nests under bucket
for convenience and to save space

Item No.	Color		Style	Capacity *liters*	L x W x H *in*	L x W x H *cm*
HS28714K	Black	■	Bucket	4	7.1 (H) x 9.2 (D)	18.1 (H) x 23.4 (D)
HS28721G	Green	■	Pan	1	10.5 x 7.7 x 4.5	26.7 x 19.6 x 11.4
HS28724B	Blue	■	Pan	4	15 x 10 x 5.5	38.1 x 25.4 x 14
HS28729R	Red	■	Pan	9	20.5 x 11.5 x 6.4	52.1 x 29.2 x 16.3

Learn more about our open rack systems that work perfectly with our Cooling Containers



Fold and Snap Tube Rack, Page 103



OneRack® Tube Rack, Page 104

Floating Microtube Rack

For use on bench and in ice and water baths

- Made of polypropylene
- Attach legs and rack stands upright for use on bench top
- Detach legs and samples can be quickly removed by pushing down onto any surface

AUTOCLAVABLE 121° C

LOW TEMP 0° C



Pack of 4

Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	Shape/Dia. *in*
HS2132A	White ☐	1.5/2.0	16	10.9	Square 4
HS2134A			20		Round 3.8



Floating Tube Racks

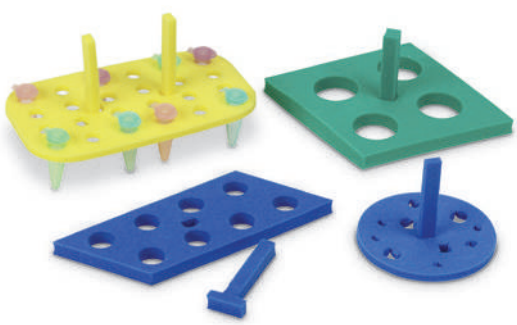
Reusable and flexible

- Ideal for floating tubes in water baths, tubs or beakers
- Brightly colored foam racks made of high-density polyethylene that resists water absorption
- Racks include detachable carrying handles to easily lift samples out of baths
- Temperature Range 0° to 70° C

LOW TEMP 0° C

Pack of 5

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





Alphanumeric Well Identification
for quick location and retrieval of tubes

Lid doubles as a stand
enables the rack to stay cold longer as there is no conductive heat transfer from surface beneath

Vented Lid
enables faster cooling of samples while in freezer

Ergonomic Textured Finger Grips
provide a secure hold, reducing the chance of dropping the PCR rack, and makes handling and transportation easy, especially when using gloves

PCR Cooler, 96-Well

Ice-Free Cooling System for PCR Preparation and Storage

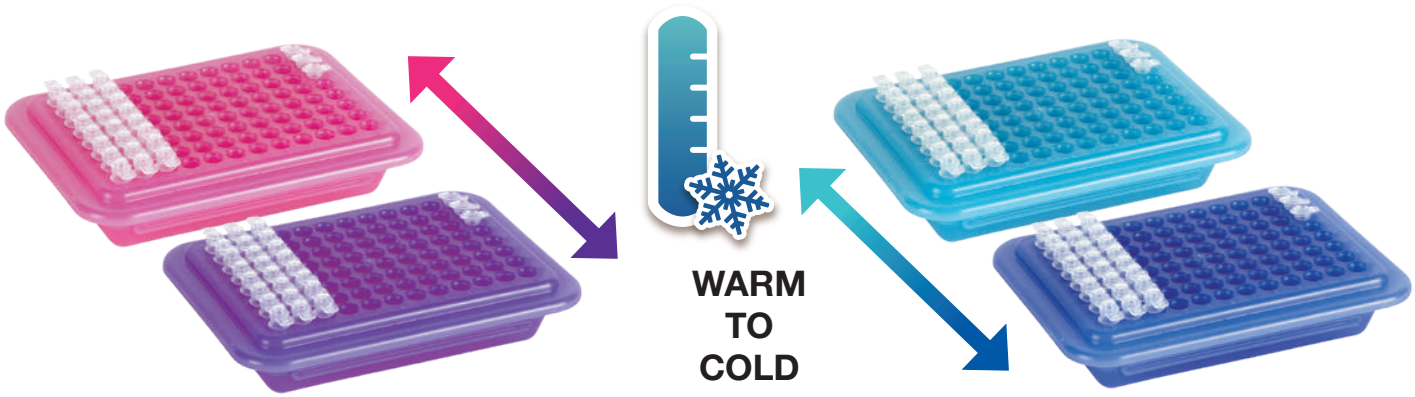
Cools industry standard format PCR tubes, strips and single format as well as most standard and low profile 96-Well plates

Consistent & Reliable

- Modern design cools faster in freezers and stays cold longer on the bench top
- Maintains the entire 96-Well plate at a temperature of 0 °C for over an hour
- Maintains sample temperature of less than 5°C for up to three hours (with lid off)
- When the temperature ceiling of 6°C has been exceeded, users are signaled by a contrasting color change of the cooler or a single well

2 Year Warranty

Two Color Contrasting Options Available
purple to pink or dark blue to light blue allowing easy monitoring of samples



US Patent Pending, Community Design No: 004101756-0001-0002 ***Pack of 2***

Item No.	Warm Color	Cold Color	Wells	Tube Sizes *mL*	L x W x H *in*	L x W x H *cm*
120727	Pink	Purple	96	0.2 Assay Plates	4.3 x 5.8 x 1.9	11 x 14.8 x 4.8
120728	Light Blue	Dark Blue				
120729	Assorted*					

**Assorted colors (Light Blue/Dark Blue & Pink/Purple*

Need to keep your reagents cool while working?

Check out our ice-free Reagent Reservoir Chillers with temperature color changing feature



Reservoir Chiller, Page 72



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



Mini Benchtop Coolers

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

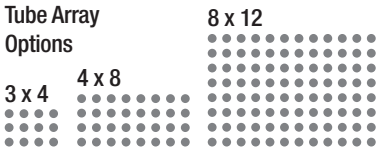
Ideal for keeping samples or reagents cool during testing

- Polycarbonate construction with rubber non-slip feet
- Coolers 120072 and 120075 are filled with a self-insulating gel to improve cooling capacity of unit





Tube Array Options



Item No.	Color	Tubes *mL*	Lid	Tube Array	Wells	L x W x H *in*	L x W x H *cm*	Temp.	Temp. Retention
120070	Green	0.5–2.0	Clear	3 x 4	12	5.7 x 4.1 x 3.9	14.5 x 10.5 x 10	0°C	1°C for 3 hr
120071			Clear	4 x 8	32	9.6 x 4.1 x 3.9	24.5 x 10.5 x 10	0°C	1°C for 2 hr
120072			Gel Filled	4 x 8	32	9.6 x 4.1 x 3.9	24.5 x 10.5 x 10	0°C	1°C for 5 hr
120073	Blue	0.5–2.0	Clear	3 x 4	12	5.7 x 4.1 x 3.9	14.5 x 10.5 x 10	-20°C	-15°C for 1 hr
120074			Clear	4 x 8	32	9.6 x 4.1 x 3.9	24.5 x 10.5 x 10	-20°C	-15°C for 1 hr
120075			Gel Filled	4 x 8	32	9.6 x 4.1 x 3.9	24.5 x 10.5 x 10	-20°C	-15°C for 1 hr
120076	Blue	0.2	Clear	8 x 12	96	8.9 x 6.5 x 4.3	22.5 x 16.5 x 11	-20°C	-15°C for 2 hr



Work 2 Store®
Expanding Storage Box

Single rack, double function

Streamline and reduce sample handling time with this convenient working and storage rack, eliminating the need several racks when working with samples requiring cold temperature storage

Efficient Handling

- Expand rack to opening position instantly creating more working space.
- Enough room for sample manipulation with no interference from open microfuge lids
- Collapse rack into closed position when it's ready for freezer storage
- Compact design will fit into standard 53 mm freezer racking system
- Alphanumeric identification for quick location and retrieval of tubes

Safe and Stackable Storage

- Clear lids locks the rack together for safe handling and transportation
- Low profile, easily stackable

Holds 64 x 1.5/2.0 mL cryo and/or microtubes

- Expanding wells have a center depression to stabilize conical tubes and a cryogenic vial lock for one handed cap removal

AUTOCLAVABLE 121° C

LOW TEMP -80° C

Work 2 Store® Expanding Tube Storage Box

Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *(Open) in*	L x W x H *(Closed w/lid) in*	L x W x H *(Open) cm*	L x W x H *(Closed w/lid) cm*
120018	White ☐	1.5/2.0	64	12.3	12.2 x 5 x 1.3	5.2 x 5.2 x 2	31 x 12.8 x 3.4	13.3 x 13.3 x 5.3

TracRack® Tube Rack

Take what you need and store the rest

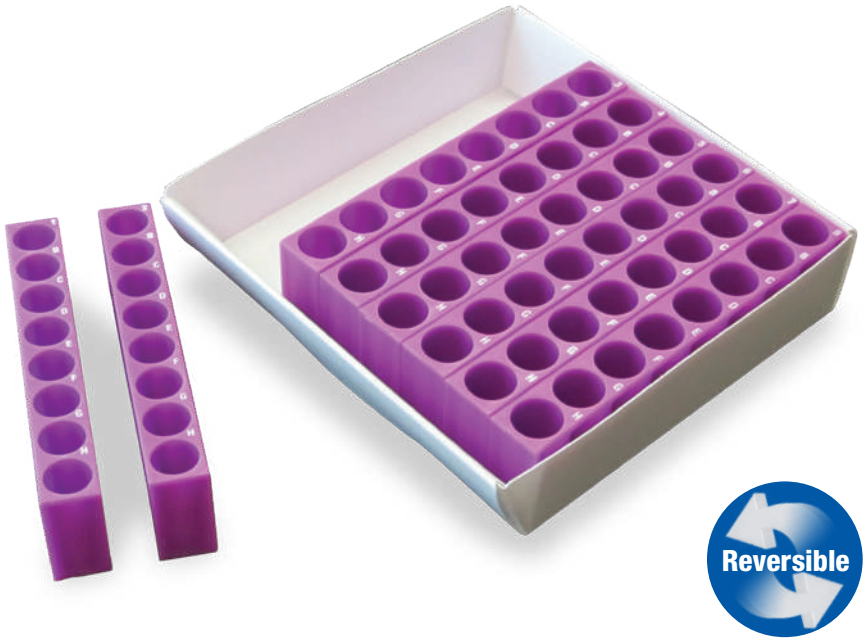
Comprised of a storage box and eight removable tube segments allowing you to easily take what you need - an entire segment or individual sample - and store the rest!

Convenient Rack System

- Eight polypropylene segments hold 1.5–2.0 mL cryo and microcentrifuge tubes (64 tubes)
- Wells feature a center depression stabilizing conical tubes and a cryogenic vial lock for one-handed cap removal
- Printed index letters on each segment make for quick sample ID and retrieval

AUTOCLAVABLE 121° C

LOW TEMP -80° C

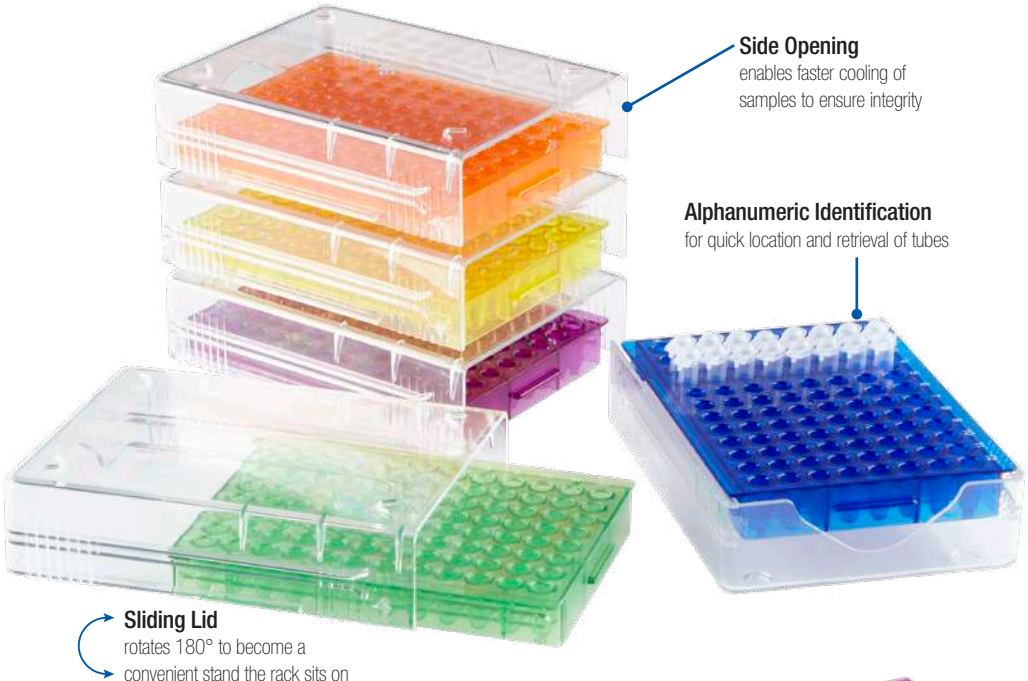


TracRack® Outer Box

- Made from thin film polypropylene material
- Moisture and mold resistant
- 2 in (5.3 cm) boxes fit in standard freezer racks
- Not recommended for autoclaving

TracRack® Tube Rack

Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
120356	Purple	1.5/2.0	64	12.3	5.1 x 5.1 x 1.4	12.9 x 12.9 x 3.5



US Patent Pending, Community Design No: 004101756-0001-0002

Pack of 5

Item No.	Color	Item No.	Color
120538	Assorted*	**120540**	Green
120539	Blue	**120541**	Purple

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

Low-Temp PCR Rack: 96-Well

Slide, set, work & store PCR samples

Multi-purpose rack converts from compact workstation to lidded storage solution accommodating individual and strip 0.2 mL tubes

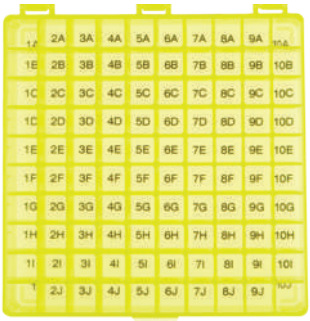
Versatile & Robust Solution

- Polycarbonate lid serves as cover and elevated rack base - just slide open land pivot lid under rack for compact workstation
- Lid can be used in right or left-handed orientation and is detachable
- Stackable saving valuable bench-top and freezer space
- Multiple colors offered for coding options

LOW TEMP -80° C



Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
0.2	96	5.2	4.9 x 3.6 x 1.5	12.5 x 9.2 x 3.7



Alphanumeric Identification
for quick location and retrieval of tubes

Microtube Storage Boxes

- Hold 1.5 and 2.0 mL microcentrifuge tubes and cryogenic vials

AUTOCLAVABLE 121° C

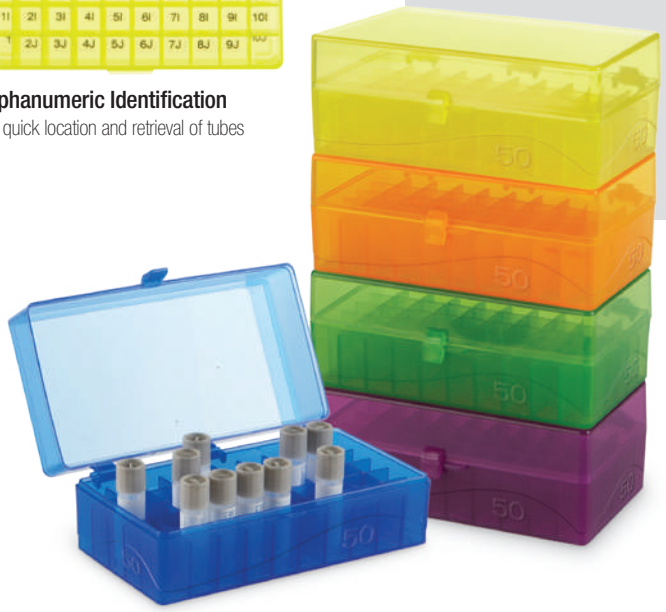
LOW TEMP -80° C

Stylish & Identifiable

- Made of translucent, vibrantly colored polypropylene allows for visibility inside box and color coding identification
- Tube capacity is indicated on the outside the box within a distinctive wave design
- Quick visual identification with uniform wells and alphanumeric location identification along with a frosted labeling area

Robust

- Easy open and secure lid fitted with either friction fit or snap clasp designs
- Stackable, saving valuable space in the lab



50-Well Microtube Storage Boxes

Pack of 5

Item No.	Color
120032	Natural
120033	Assorted*

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

Tubes mL	Wells	Well Dia. mm	L x W x H in	L x W x H cm
1.5/2.0	50	12.3	5.6 x 3.6 x 2.2	14.2 x 9.2 x 5.6



81-Well Microtube Storage Boxes

- Black, light blocking version available for light sensitive samples

Pack of 5

Item No.	Color	Item No.	Color
120034	Natural	120038	Yellow
120035	Blue	120039	Orange
120036	Green	120040	Assorted*
120037	Pink	120041	Black

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

Tubes mL	Wells	Well Dia. mm	L x W x H in	L x W x H cm
1.5/2.0	81	12.3	5.1 x 5.1 x 1.9	13 x 13 x 4.7



100-Well Microtube Storage Boxes

- Black, light blocking version available for light sensitive samples

Pack of 5

Item No.	Color	Item No.	Color
120042	Natural	120202	Green
120043	Black	120203	Yellow
120044	Assorted*	120204	Orange
120201	Blue		

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

Tubes mL	Wells	Well Dia. mm	L x W x H in	L x W x H cm
1.5/2.0	100	12.3	5.6 x 6 x 2.2	14.1 x 15.1 x 5.7

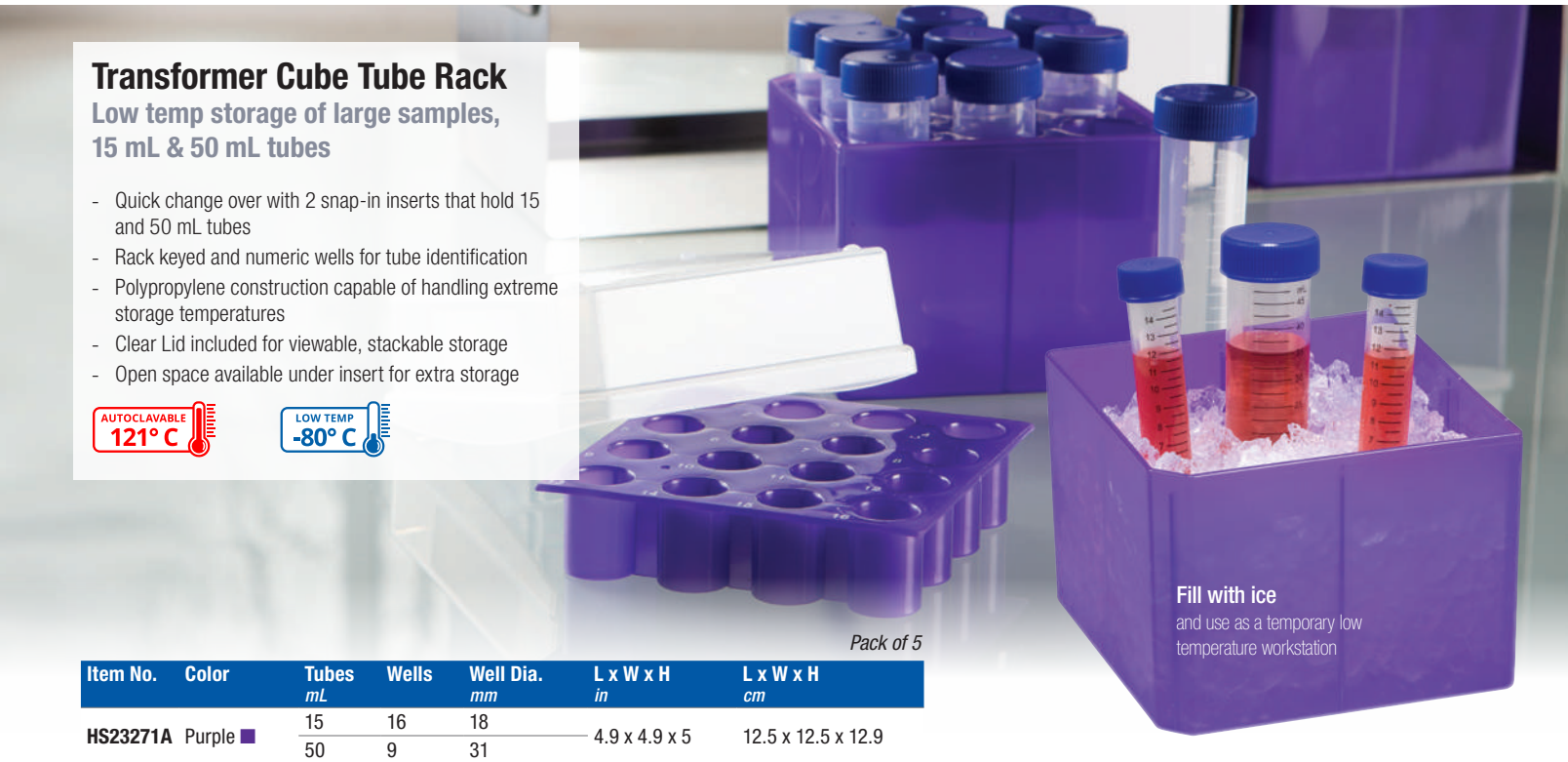
Transformer Cube Tube Rack

Low temp storage of large samples, 15 mL & 50 mL tubes

- Quick change over with 2 snap-in inserts that hold 15 and 50 mL tubes
- Rack keyed and numeric wells for tube identification
- Polypropylene construction capable of handling extreme storage temperatures
- Clear Lid included for viewable, stackable storage
- Open space available under insert for extra storage

AUTOCLAVABLE 121° C

LOW TEMP -80° C



Pack of 5

Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
HS23271A	Purple ■	15	16	18	4.9 x 4.9 x 5	12.5 x 12.5 x 12.9
		50	9	31		



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
- Must use tubes capable of being stored at the required temperature of the user

LOW TEMP -80° C

Pack of 100

Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
HS4282	White □	1.5/2.0	100	11.5	13.2 x 3.7 x 2.9	33.6 x 9.5 x 7.3
HS4283P	White □	1.5/2.0	50	11.5	8.3 x 4.3 x 2.7	21 x 11 x 7.1

Store microslides in low temperatures with our Low Temperature Microscope Slide Boxes



Low Temperature Microscope Slide Boxes, Page 127

Cryogenic Vial Rack

Safely store and transport cryogenic vials

- Made from polycarbonate
- 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
- Drainage holes in each well aid in cleaning
- Alphanumeric identification for quick location and retrieval of tubes

AUTOCLAVABLE 121° C

LOW TEMP -196° C



Pack of 4

Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
HS23229B	Blue ■	2–5	50	12.9	7.8 x 4.1 x 0.9	19.9 x 10.5 x 2.8

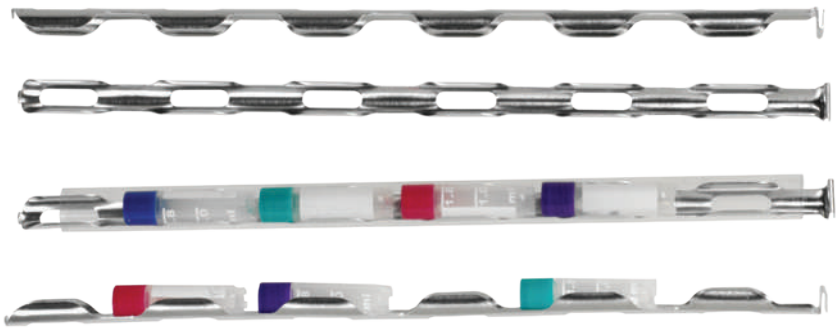
Cryogenic Vial Canes

Organize cryogenic samples in dewars

Aluminum canes hold vials for freezer storage or immersion in LN_2 dewars

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

LOW TEMP -196° C



Pack of 12

Item No.	Tubes *mL*	No. of Vials	Length *in*	Length *cm*
HS23205	1.5/2.0	5	11.4	29
HS23206	1.5/2.0	6	11.8	30

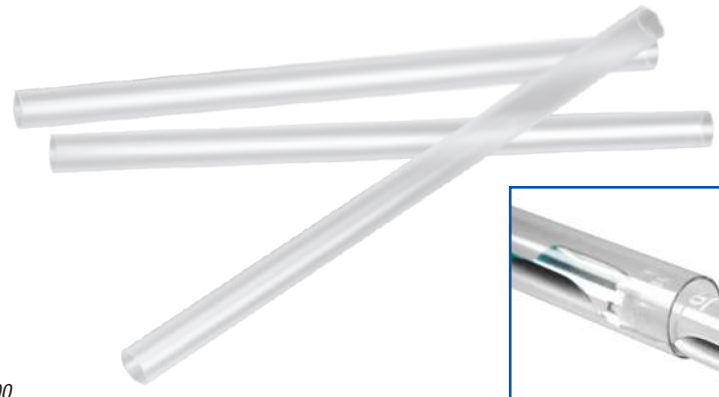
PVC Cryogenic Cane Sleeves

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

LOW TEMP -196° C





Pack of 100

Item No.	Diameter *in*	Length *in*	Diameter *cm*	Length *cm*
HS23210	0.6	10.8	1.5	27.5

Don't miss our line of Cryogenic Vials

Our innovative flush design saves space in your freezer



Cryogenic Vials, Page 88

Cryogenic Vial Boxes & Partitions

For storage of small samples and tubes

- Made from cardboard
- Colors allow for easy identification and sorting purposes
- All box footprints are 13.3 x 13.3 cm, select from two different heights

LOW TEMP -196° C





Vent Holes
allow faster cooling and removal of LN_2

Cardboard Cryogenic Vial Boxes

Pack of 12

Item No.	Color	Tubes *mL*	L x W x H *in*	L x W x H *cm*
HS2860A	White	1.5/2.0	5.2 x 5.2 x 2	13.3 x 13.3 x 5
HS2860B	White	1.5/2.0	5.2 x 5.2 x 3	13.3 x 13.3 x 7.5
HS2860C	Assorted	1.5/2.0	5.2 x 5.2 x 2	13.3 x 13.3 x 5
HS2860CB	Blue			
HS2860CR	Red			
HS2860CY	Yellow			

Partitions

Partitions must be ordered separately — *Pack of 12*

Item No.	Array	Tubes *mL*	Wells	Well Dia. *mm*
HS2860E	10 x 10	1.5/2.0	100	11.5
HS2860H	9 x 9	1.5/2.0	81	12
HS2860F	8 x 8	1.5/2.0	64	15
HS2860G	7 x 7	1.5/2.0	49	17.5

Microtube Storage Boxes

Safe microtube storage

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

- Partitions included in the boxes
- Will fit into most standard freezer racking

LOW TEMP -196° C



Pack of 10

Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
120220	White	0.2	169	9.5	5.2 x 5.2 x 1.1	13.3 x 13.3 x 2.9
120221	White	0.5	100	12	5.2 x 5.2 x 1.6	13.3 x 13.3 x 4.1

15/50 mL Tube Storage Boxes & Partitions

- Write-on surface for descriptions or self-numbering systems
- Partitions available in two sizes

LOW TEMP -196° C



Cardboard Tube Storage Box & Lid

Pack of 10

Item No.	Color	L x W x H *in*	L x W x H *cm*
HS2860M	White	5.7 x 5.7 x 4.8	14.5 x 14.5 x 12.2

Partitions

Partitions must be ordered separately — *Pack of 10*

Item No.	Array	Tubes *mL*	Wells	Well Dia. *mm*
HS2860T	6 x 6	15	36	23
HS2860P	4 x 4	50	16	35

Cryogenic Vial Tube Storage Box

- Two-piece set-up boxes with finger holds
- Boxes made from paper coated cardboard
- 5 x 5 format for tubes up to 14 mm in diameter
- Partitions are included in each box

LOW TEMP -196° C



Case of 200

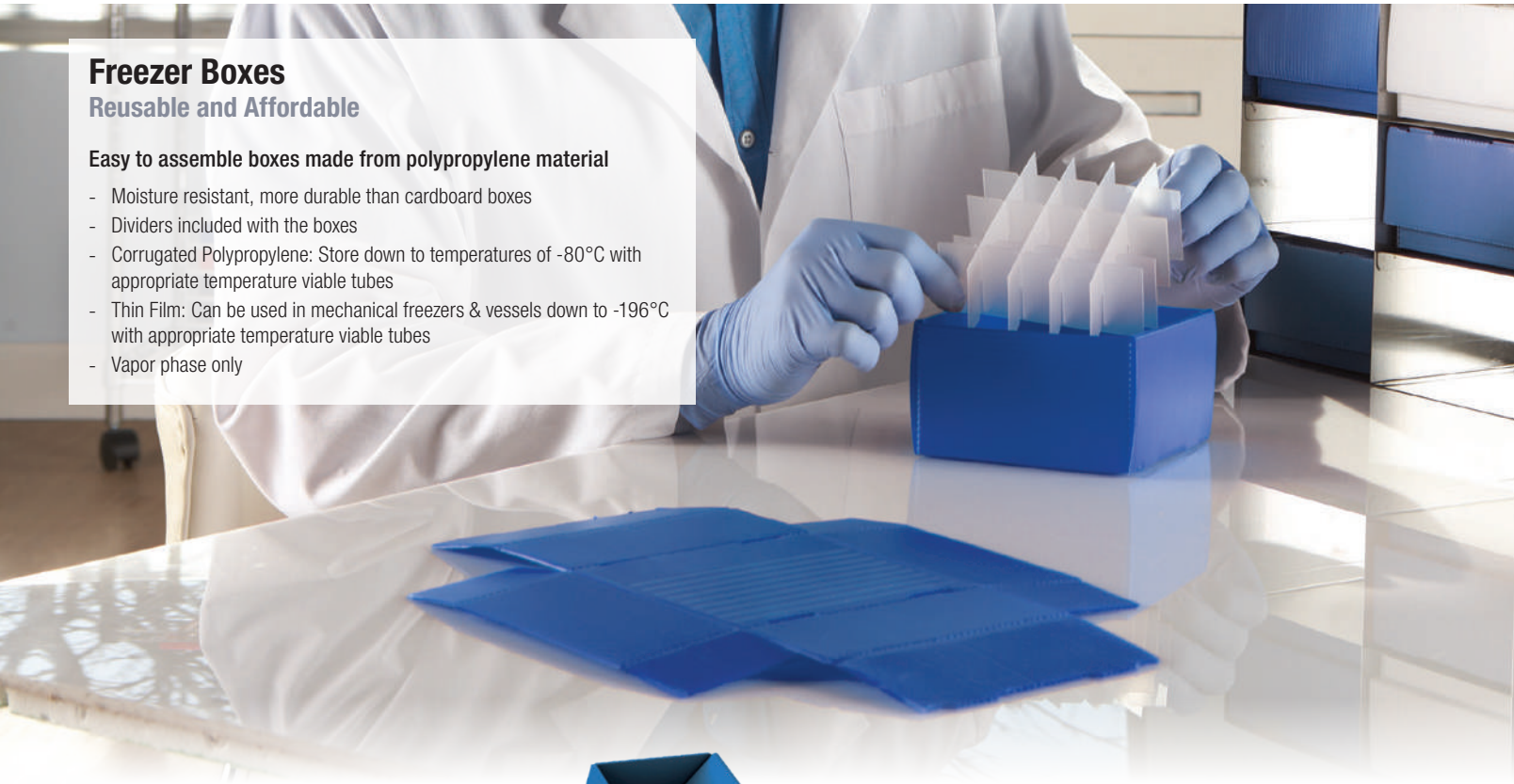
Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *mm*
120519	Blue	2.0	25	14	3.4 x 3.4 x 1.5	87x87x38

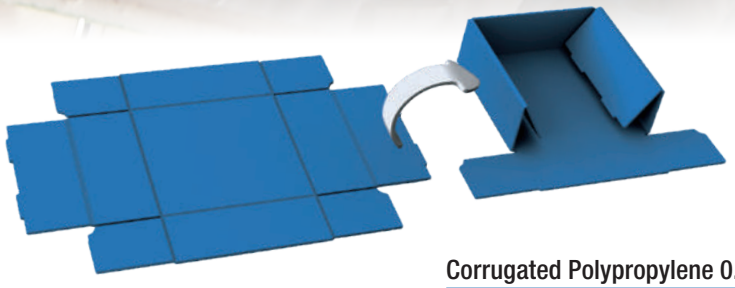
Freezer Boxes

Reusable and Affordable

Easy to assemble boxes made from polypropylene material

- Moisture resistant, more durable than cardboard boxes
- Dividers included with the boxes
- Corrugated Polypropylene: Store down to temperatures of -80°C with appropriate temperature viable tubes
- Thin Film: Can be used in mechanical freezers & vessels down to -196°C with appropriate temperature viable tubes
- Vapor phase only





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



Corrugated Polypropylene 0.2/0.5/1.5–2.0/5 mL/Vial

LOW TEMP -80° C

Pack of 10

Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
120379	White	0.2	144	7.9	5.2 x 5.1 x 1.2	13.3 x 13 x 3
120383	White	0.5	81	12	5.2 x 5.1 x 1.6	13.3 x 13 x 4.2
120262	White	1.5/2.0	81	12	5.2 x 5.1 x 2	13.3 x 13 x 5.1
120376	Blue					
120387	White	5	25	22.6	5.2 x 5.1 x 2.9	13.3 x 13 x 7.5
120388	Blue					
120428	White	Vial	100	17	7.4 x 7.8 x 1.6	18.8 x 19.8 x 4.1

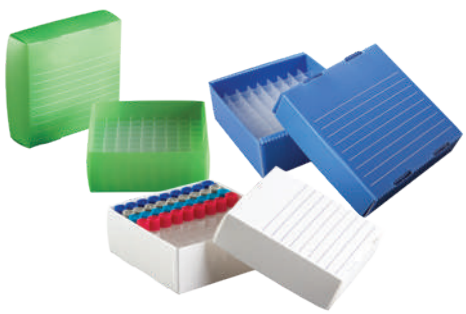


Corrugated Polypropylene 15 mL and 50 mL

LOW TEMP -80° C

Pack of 10

Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
120391	White	15	36	19.8	5.8 x 5.7 x 4.7	14.7 x 14.5 x 12
120392	Blue					
120366	White	50	16	31.6	5.8 x 5.7 x 4.7	14.7 x 14.5 x 12
120367	Blue					



Thin Polypropylene film 1.5–2.0 mL

LOW TEMP -196° C

Pack of 10

Item No.	Color	Tubes *mL*	Wells	Well Dia. *mm*	L x W x H *in*	L x W x H *cm*
120370	White	1.5/2.0	81	12.1	5 x 4.9 x 1.9	12.5 x 12.4 x 4.9
120371	Blue					
120372	Lt. Green					



Arctic Squares® Polycarbonate Cryostorage Boxes

Safely store cryogenic vials

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

- Alphanumeric labeling on lid or base (depending on the unit) for quick location and retrieval of tubes
- Liquid nitrogen vent and drainage holes
- Magnet on top of forceps enables easy storing on metal surfaces
- Stackable, saves valuable space in the lab

AUTOCLAVABLE 121° C

LOW TEMP -196° C

US Patent No.: D529,622
EP Registered Design No.: 00551429-0001, 00551429-0002, 00551429-0003

Item No.	Color	Tube Array	Tubes *mL*	Wells	Well Dia. *mm*	Lid	Packaging	L x W x H *in*	L x W x H *cm*	Forceps
HS23325A	Ruby Red	5 x 5	2.0	25	12.5	Slide On	8	3 x 3 x 2	7.6 x 7.6 x 5.3	
HS23381B	Assorted*	9 x 9	2.0	81	12.5	Hinged	4	5.2 x 5.2 x 2	13.3 x 13.3 x 5.3	✓
HS23300D	Arctic Blue	10 x 10	2.0	100	12.5	Hinged	4	5.2 x 5.2 x 2	13.3 x 13.3 x 5.3	✓

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

Arctic Squares® Upright 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



Item No.	Config.	Box Height *in*	Box Height *cm*	L x W x H *in*	L x W x H *cm*
HS2864	4 x 4	2	5.3	5.4 x 22.4 x 9.3	13.9 x 57.1 x 23.8

Freezer Racks

A variety of racks to safely store samples in your freezer

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

- 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



Cube Upright Freezer Rack

For 15 and 50 mL tube box storage

- Constructed of corrosion-resistant stainless steel with 6 rack spaces
- Provides safe, convenient storage of your samples
- Handles at each end accommodate freezers with right or left-handed doors
- Compatible with 6 in (15.2 cm) or smaller boxes



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

Shown with our
15/50 mL Tube Storage Box, Page 118
Transformer Cube Tube Rack, Page 99

Item No.	Config.	Box Size *in*	Box Size *cm*	L x W x H *in*	L x W x H *cm*
HS28622	2 x 3	6	15.2	18 x 6.2 x 10.6	45.9 x 15.9 x 27.1

Chest Freezer Racks

Item No.	Config.	Box Size *in*	Box Size *cm*	L x W x H *in*	L x W x H *cm*
HS2862DB	9 x 1	3	7.6	5.5 x 5.5 x 29	14.1 x 14.1 x 73

Upright Freezer Racks: 2 inch Boxes

Item No.	Config.	Box Size *in*	Box Size *cm*	L x W x H *in*	L x W x H *cm*
HS2862HA	4 x 3	2	5.3	16.4 x 5.5 x 8.9	41.8 x 14.1 x 22.5
HS2862H	4 x 4			21.8 x 5.5 x 8.9	55.6 x 14.1 x 22.5
HS2862HB	5 x 4			22 x 5.5 x 11	55.6 x 14.1 x 28

Upright Freezer Racks: 3 inch Boxes

Item No.	Config.	Box Size *in*	Box Size *cm*	L x W x H *in*	L x W x H *cm*
HS2862KB	4 x 4	3	7.6	22 x 5.5 x 12.8	55.6 x 14.1 x 32.5
HS2862KC	5 x 4			22 x 5.5 x 16	55.6 x 14.1 x 40.6



HS2862H
Shown with our 81-Well Microtube Storage Boxes, Page 115

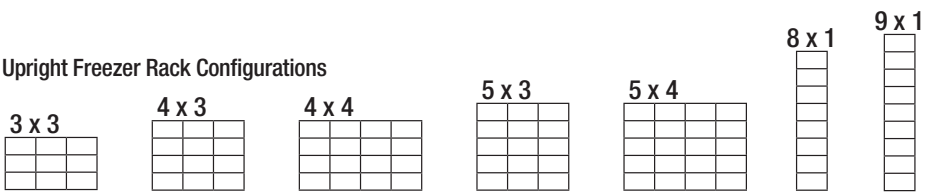
Handles for easy transfer
Robust mounting brackets assure handles stay securely in place for easy use

Locking Rod
Keeps tube storage boxes safely in place



HS2862AB

Upright Freezer Rack Configurations



Tips for Keeping your Laboratory Freezer Running Efficiently

Monitor Temperatures

Installing an alarmed thermometer monitoring system, like Heathrow Scientific's Freezer Thermometer, can alert you early to any fluctuations in temperatures that could indicate the need for cleaning or maintenance.

Organize to Ensure Proper Air Flow

Our Freezer Rack systems not only use all optimal storage space available; they also allow for air flow through the unit. With materials stacked and organized, it makes it easier to locate samples quickly, greatly reducing the amount of time the door remains open.

Remove Ice and Frost Routinely

An accumulation of ice and frost on racks and doors can interrupt air flow and overwork the freezer. Defrost on a routine basis to keep your unit in proper working order.

Clear Debris from Compressor Coils

Vacuum or use a brush to clean the compressor coils on the outside of the unit to remove any buildup of dust and grime on a regular basis to keep your unit running smoothly.

Also, be sure not to stack any items on or in front of your units venting system. This could cause the compressor to work overtime to maintain temperatures.

Clean Door Gaskets

To ensure that cold air is not escaping, clean any debris or ice build-up from the door gasket to keep an air-tight seal.

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



Item No.	L x W x H *in*	L x W x H *cm*
HS28630	4.1 x .79 x 0.9	1.4 x 1.9 x 2.8

Probe Cable measures 0.9 m, Probe measures 5 mm OD x 17 mm L

Slide Products & Accessories

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



Boxes & Storage Racks

Folders & Mailers

Holders & Staining



100-Place Premium Plus Slide Box

Modern design for maximum functionality

Optimal Organization

- Organize by “project” and “date” molded in on lid
- Inventory card index corresponds to slide numbers and is removable for trouble-free writing on flat surface
- Vibrant translucent colors are easy to identify and enable coding options

Functional Design

- Flexible storage, store vertically or horizontally to efficiently use space
- Molded feet allow secure horizontal stacking of multiple units
- Unique side storage can accommodate a pen, desiccant or other small items needed for working
- Hinged lid smoothly opens 180° sitting flat on surfaces and prevents misplacement

Safe & Secure

- EVA foam lines the bottom of the box helping to hold slides securely in place and protect against damage
- Stylish wave surface texture is easy to hold for safe sample transport

US Patent No.D904026

100-Place Premium Plus Slide Box

Pack of 5

Item No.	Color	Item No.	Color
120576	Blue	**120579**	Red
120577	Orange	**120592**	Purple
120578	Green	**120593**	Assorted*

**Assorted colors (Purple, Blue, Green, Red, Orange)*

Lining	Lock	L x W x H *in*	L x W x H *cm*
EVA Foam	Sliding Latch	8.2 x 7.7 x 1.3	20.7 x 19.5 x 3.2

Replacement Inventory Card

Pack of 10

Item No.	L x H *in*	L x H *cm*
120618	8.5 x 11	21.6 x 28

Premium Microscope Slide Boxes

Slide boxes are perfect for storage or transportation of standard size slides (76 x 26 mm and 3 x 1 in)



Organize & Identify
- Lining and slots are numbered to correspond to the slide inventory sheet
- Organize by "Project" and "Date" with pre-molded labeling area
- Available in multiple colors for project coding

Durable & Safe
- ABS plastic boxes available with either cork or foam lining
- Designed to securely store slides in grooved slots
- Molded feet secure stacking for easy transport and storage

25-Place Slide Box

Easily access slides with friction-fit cover



Item No.	Color	Lining	Lock	L x W x H *in*	L x W x H *cm*
HS15989A	Blue	Cork	Friction Fit	5.6 x 3.5 x 1.4	14.1 x 8.8 x 3.5
HS15989B	Green				
HS15989C	Red				
HS15989E	White				
HS15989M	Blue	Foam	Friction Fit	5.6 x 3.5 x 1.4	14.1 x 8.8 x 3.5
HS15989P	Red				
HS15989R	White				

50-Place Slide Box

Thumb-latch lock mechanism



Item No.	Color	Lining	Lock	L x W x H *in*	L x W x H *cm*
HS15996A	Blue	Cork	Thumb-Latch	8.2 x 3.4 x 1.4	20.8 x 8.6 x 3.5
HS15996B	Red				
HS15996C	White				

100-Place Slide Box

Closes securely with a rust-resistant nickel-plated clasp and pin hinges



Item No.	Color	Lining	Lock	L x W x H *in*	L x W x H *cm*
HS15994A	Blue	Cork	Nickel-plated Clasp	8.2 x 6.9 x 1.3	20.8 x 17.5 x 3.4
HS15994B	Green				
HS15994C	Red				
HS15994D	Yellow				
HS15994E	White				
HS15994F	Grey				
HS15994G	Black				
HS15994M	Blue	Foam	Nickel-plated Clasp	8.2 x 6.9 x 1.3	20.8 x 17.5 x 3.4
HS15994P	Red				
HS15994R	White				

100-Place Tall Slide Box

Additional height for 3 x 2 in slides
Stackable with 100-Place Premium Slide Boxes



Item No.	Color	Lining	Lock	L x W x H *in*	L x W x H *cm*
HS15979A	Blue	Cork	Nickel-plated Clasp	8.2 x 6.9 x 2.4	20.8 x 17.5 x 6



Storage Rack for Microscope Slide Boxes

Create a file system for 50-Place 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

Item No.	Color	Capacity	L x W x H *in*	L x W x H *cm*
HS159890B	Clear	15 Bins	28 x 6.7 x 9	71.1 x 17.1 x 22.8

Standard Microscope Slide Boxes

Constructed of durable polypropylene



Slide boxes hold either 25 or 100 standard slides (76 x 26 mm and 3 x 1 in)

Improved Identification
- Molded slot numbers correspond directly to the slide inventory card
- Organize with “Project” and “Date” pre-molded labeling area

Secure & Stackable
- Hinged lids are held securely closed with a latch lock
- Molded feet secure stacking for easy transport and storage

25-Place Slide Box

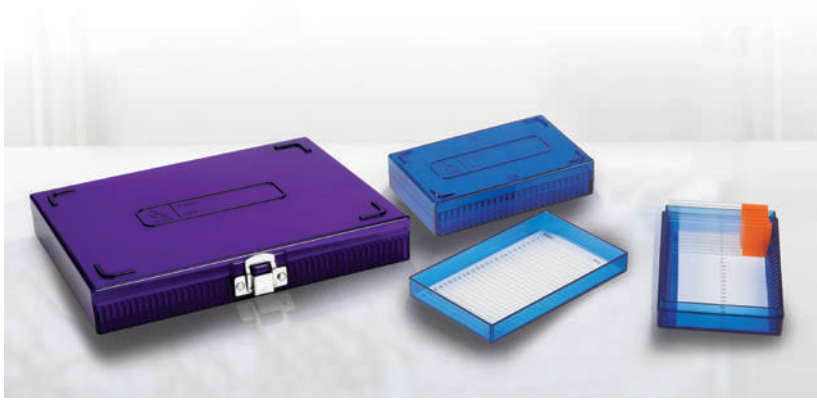
Item No.	Color	Lining	Lock	L x W x H *in (cm)*
HS15990A	Blue	None	Latch Lock	5.6 x 3.6 x 1.2 (14.1 x 9.2 x 3)
HS15990B	Red			
HS15990C	White			
120740	25-Place Replacement Inventory Card, Pack of 10			5.3 x 3.1 (13.4 x 8)

100-Place Slide Box

Item No.	Color	Lining	Lock	L x W x H *in (cm)*
HS15991A	Blue	None	Latch Lock	8.3 x 6.7 x 1.5 (21 x 16.9 x 3.7)
HS15991B	Red			
HS15991C	White			
120741	100-Place Replacement Inventory Card, Pack of 10			3.9 x 6.1 (10 x 15.5)

Low Temperature Microscope Slide Boxes

Store in ultra-low temperatures with confidence



Holds standard slides (76 x 26 mm and 3 x 1 in)

Durable Construction
- Made of polycarbonate to store in ultra-low temperatures
- Uniform grooved slide slots separate slides preventing slide contact
- Molded feet enable secure stacking for easy transport and storage

Durable Construction
- Low temperature resistant numbered foam lining corresponds with identification sheet
- Organize with “Project” and “Date” pre-molded labeling area

LOW TEMP -80° C

Low Temperature Microscope Slide Boxes

Item No.	Color	Capacity	Lock	L x W x H *in (cm)*
120316	Blue	25-Place	Friction Fit	5.6 x 3.5 x 1.4 (14.1 x 8.8 x 3.5)
HS15988H	Purple	100-Place	Stainless Steel Clasp	8.2 x 6.9 x 1.3 (20.8 x 17.5 x 3.4)



Cardboard Slide Tray

Cardboard slide trays hold standard slides (76 x 26 mm and 3 x 1 in)

Cardboard slide folders offer a convenient solution for safely working, transporting and short-term storing of slides

Organize & Protect

- Index on the front cover corresponds with the number grid inside for identification
- Recessed slide compartments and inside covers for specimen protection
- Slides cannot be accessed when cover is closed reducing contamination

Sturdy Construction

- Compartment holder is made from a double layer of densely pressed cardboard
- Cover is single layer cardboard
- Front protection flaps are attached with durable tape



Item No.	Color	Capacity	L x W x H *in*	L x W x H *cm*
HS9902	Black	20-Place	8.2 x 13.4 x 0.4	20.8 x 34.1 x 0.9
HS9913	Blue			
HS9914	Green			
120196	Red			
120197	Yellow			
HS9930	Black	30-Place	8.2 x 12.9 x 0.4	28.1 x 32.8 x 1

Slide Tray Clasps

Effortlessly locate, retrieve and keep slide folders organized

- Assorted color clasps are ideal for color coding identification and to keep slide folder flaps securely closed
- Clasps can be labeled with a permanent marker or a label can be attached

Slide Tray Clasps

Pack of 100

Item No.	Color	L x W x H *in*	L x W x H *cm*
120653	Assorted*	2.2 x 1.7 x 0.6	5.6 x 4.4 x 1.6
120654	Clear		

**Assorted colors (Clear, Grey, Blue, Green, Red)*



Have a Question?

Our experienced and responsive CUSTOMER SERVICE and TECHNICAL SUPPORT teams are ready and available to help.

PHONE:
+1.847.816.5070
+44 (0) 845.450.7316

EMAIL:
info@heatsci.com

Slide Mailers

Safe and secure transport of standard microscope slides (76 x 26 mm and 3 x 1 in)



Cardboard Slide Mailers

Item No.	Color	Capacity	UOM	L x W x H *in*	L x W x H *mm*
HS9903	Natural	1-Place	Pack of 25	3.7 x 1.7 x 0.2	95 x 42 x 5
HS9904	Natural	2-Place	Pack of 36	4.1 x 3.1 x 0.2	103 x 79 x 5
120557	White	4-Place	Pack of 20	4.7 x 5.7 x 0.3	120 x 140 x 6

- Heavy cardboard mailers for safe transport
- Cover that opens for viewing and thumb grooves for easy slide removal
- Securely holds slides with or without cover glass
- Flat surface area is ideal for labeling or writing necessary information

Plastic Slide Mailers

Item No.	Color	Capacity	UOM	L x W x H *in*	L x W x H *mm*
120556	Natural	1-Place	Pack of 50	3.3 x 1.6 x 0.2	83 x 41 x 5
HS15983B	Natural	2-Place	Pack of 25	3.7 x 2.7 x 0.2	93 x 68 x 5
HS15983A	Assorted*				

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

- Polypropylene protectors ideal for secure shipping and storing of slides
- Large, easy-to-secure snaps, provide safe storage for valuable slides
- Variety of colors brings some fun to the lab and enables color coding





1-Place



2-Place

Plastic 5-Place Slide Mailers

Item No.	Color	Capacity	UOM	L x W x H *in*	L x W x H *mm*
HS15982	Natural	5-Place	Pack of 25	3.2 x 0.7 x 1.2	81 x 19 x 31
HS15983G	Assorted*	5-Place	Pack of 25	1.7 x 0.9 x 3.5	43 x 24 x 88
HS15986	Natural				

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

- Polypropylene containers ideal for secure shipping, storing or staining slides
- Polypropylene containers hold five standard slides (76 x 26 mm and 3 x 1 in)
- Inside wall features slotted channels to keep slides separated and to make removal easier
- Lid closes securely to keep slides safe





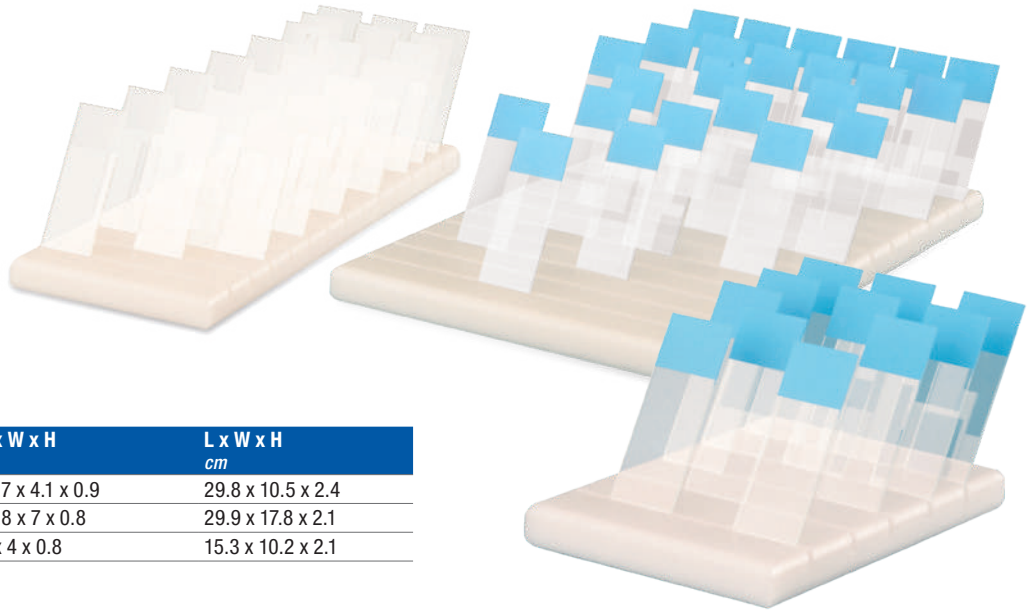
Side Opening
HS15982

End Opening
HS15986 &
HS15983G

Slide Holders

Hold slides during evaluation, cleaning and drying

- Made from chemical-resistant polyethylene making the unit resist stains and easy to clean
- Solid, strong construction with rubber feet for bench-top stability
- Angled slide holder slots allow easy access to individual slides and viewing of slide labels



Item No.	Color	Capacity	L x W x H *in*	L x W x H *cm*
HS15981A	Natural ☐	40-Place	11.7 x 4.1 x 0.9	29.8 x 10.5 x 2.4
HS15981B	Natural ☐	78-Place	11.8 x 7 x 0.8	29.9 x 17.8 x 2.1
HS15981C	Natural ☐	15-Place	6 x 4 x 0.8	15.3 x 10.2 x 2.1



Dark Lid
protects slides for light-sensitive applications

Deep Well
holds up to 38 mL of liquid

2 Convenient Pour Spouts
for quick disposal of unwanted liquid waste

8-Slide Staining Tray Set

Reduce possible cross-contamination and messy work areas

This rugged staining tray is an economical alternative to metal versions

- Made from a polypropylene and polyethylene blend for stability
- Stain, rinse, and dry slides on a single working tray
- 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
- Pack includes 4 trays and 1 lid

8-Place Slide Staining Tray

Item No.	Color	Capacity	L x W x H *in*	L x W x H *cm*
HS15951A	Black ■	8-Place	12 x 5 x 1.2	30.5 x 12.7 x 3

18-Place Slide Staining Tray Set

Ideal for Clinical and Research laboratory staining

Tray holds standard microscope slides (76 x 26 mm) securely in place for staining, rinsing and drying applications

Robust design

- Durably constructed from solvent resistant polypropylene blend
- Non-skid Silicone feet keep tray in place

Convenient to use

- Two ways to empty stain liquid
  - Pour spouts on each corner
  - Drain hole with plug
- Equipped with handle cut-outs for easy handling

Versatile for multiple testing formats

- Black lid included for light sensitive applications
- Humidity retention wells for specialized staining needs

Dark Lid
protects slides for light-sensitive applications

Convenient Pour Spouts
for quick disposal of liquid waste





18-Place Slide Staining Tray

Item No.	Color	Capacity	L x W x H *in*	L x W x H *cm*
120879	Black ■	18-Place	16.1 x 8.9 x 1.6 in	41 x 22.5 x 4 cm

Safety Products & Dispensers

Protect and comply with our range of safety products and PPE dispensing solutions



Wash Bottles

Biohazard Containment

PPE Dispensers & Holders

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

Pack of 6

Item No.	Cap/Lid Color	Capacity
120245	White	500 mL
120246	Red	
120247	Yellow	
120248	Green	
120249	Blue	



Create a safer working surface with our reusable Silicone Lab Mats

- Anti-skid to keep glassware in place
- Protect counter tops from stain, spills and wear
- Available in multiple colors and sizes



Lab Mats, Page 47

Wash Bottles Safety Labeled and 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

There is also 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 to increase the flow

- Wide bottle mouth makes filling easier
- Sodium Hypochlorite bottle made from natural LDPE for light protection and has a HDPE closure
- All other bottles are made from LDPE, with a PP closure
- Non-metallic vent that prevents the risk of solvent leakage
- Six named chemicals, a self-labeling** and assorted pack of bottles to choose from

Pack of 6

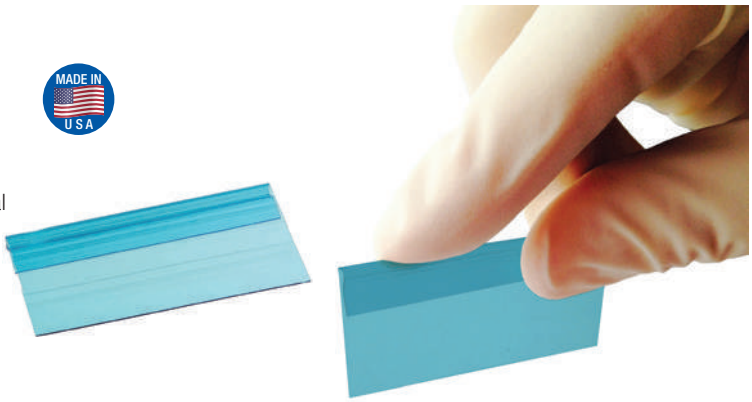
Item No.	Cap/Lid Color	Description	Capacity
120250	Red	Acetone	500 mL
120251	Clear	Distilled Water	
120252	Yellow	Isopropanol	
120253	White	Ethanol	
120254	Green	Methanol	
120255	Blue	Sodium Hypochlorite	
120256	White	Self-labeling**	
120257	Assorted*	Assorted*	

** Assorted Pack includes one of each: acetone, distilled water, isopropanol, ethanol, sodium hypochlorite & a self-labeling bottle*

***Self-labeling bottles must only be used with chemicals that are safe and compatible with LDPE. Labeling stickers included*



smartSlicer™
Laboratory Safety Razor Blade
Say no to dangerous sharps



- At just 0.27 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
- Made from food grade PET

Pack of 100

Item No.	L x W x H *in*	L x W x H *mm*
120259	0.8 x 1.5 x 0.01	19 x 38 x 0.3
120260	1 x 2 x 0.01	25 x 50 x 0.3

smartSlicer™ is a trademark of LevGo Inc.

Safely seal PP and PE bags, sheets or flat tubing with our Heat Sealer

- Heating element measures 31 cm long and is only hot when sealing
- Remove excess material safe with integrated sliding blade



Heat Sealer with Cutter, Page 141



Lead Rings
Stabilize vessels and labware on the bench or 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

Item No.	Shape	Color	Flask Sizes *mL*	ID *in*	ID *cm*	OD *in*	OD *cm*	Weight *g*
HS8881A	C	Blue ■	125–500	1.9	4.2	3	7.5	215
HS8882A	O			1.9	4.8	3	7.7	210
HS8881B	C	Blue ■	250–1000	2	5.1	3.5	9	465
HS8882B	O			2	5.1	3.5	9	490
HS8881C	C	Blue ■	500–2000	2.1	5.4	3.9	9.8	595
HS8882C	O			2.2	5.7	3.9	9.8	610
HS8881D	C	Blue ■	1000–4000	2.6	6.6	4.4	11.3	890
HS8882D	O			2.8	7	4.5	11.5	935

**Weights may vary by +/- 3%*



Safety Bottle Carriers, Page 74

Safety Bottle Carrier

- Handle swings down to either side for easier loading and unloading
- Carriers come in four colors with designated labeling areas for easy identification

Biohazard Disposal Bags

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

- Polypropylene
- 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 121° C



Epoxy Coated
HDPE Wire Holder

Biohazard Disposal Bags

Item No.	Color	Thickness *mil*	Capacity	Packaging	L x W *in*	L x W *cm*
HS10320	Red ■	1.6	2 L	500	8 x 12	20.3 x 30.5
HS10321			9 L	200	14 x 19	35.6 x 48.3
HS10322			19 L	200	19 x 23	48.3 x 58.4
HS10323			40 L	200	25 x 33	63.5 x 83.8

HDPE Coated Steel Wire Bag Holder

Item No.	L x W x H *in*	L x W x H *cm*
HS10044H	3.6 x 5 x 8.4	9.1 x 12.8 x 21.3

**Holds Biohazard Disposal Bag HS10320*



Autoclavable Disposal Bags

Clear bags imprinted with blue biohazard labeling designed for safe disposal

- Constructed of 2 mil thick polypropylene, allowing for repeated autoclaving
- Strong side seams for securely holding items
- Front write-on panel
- 4 inner packs of 50 bags

AUTOCLAVABLE 121° C

Case of 200

Item No.	Color	Capacity	L x W *in*	L x W *cm*
HS1002A	Clear ☐	14 L	12.2 x 26	31 x 66
HS1002B		26 L	16.3 x 23.6	41.5 x 60
HS1002C		69 L	24 x 31.9	62 x 81

Sharps Containers

Easy to use and transport

- Clearly labeled with the Biohazard warning on one side
- Provides safe disposal of syringes, needles and other small sharps
- Stackable to reduce storage space before use
- 1 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, Pages 56 and 57



Item No.	Color	L x W x H *in*	L x W x H *cm*
120177	Red ■	4.5 x 4.5 x 7.5	11.5 x 11.5 x 19.2
120178	Yellow ■		

PPE Dispensers & Holders

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

Item No.	Color	L x W x D *in*	L x W x D *cm*
HS1040C	Clear	8 x 8 x 16	20.3 x 20.3 x 40.6

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)

Item No.	Color	L x W x D *in*	L x W x D *cm*
HS1040B	Neon Green	8 x 8 x 16	20.3 x 20.3 x 40.6

3-in-1 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



Item No.	Color	L x W x D *in*	L x W x D *cm*
HS1042	Grey	16 x 16 x 8	40.6 x 40.6 x 20.3

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



Item No.	Color	L x W x D *in*	L x W x D *cm*
HS1041	Neon Blue	8 x 6 x 6	20.3 x 15.2 x 15.2
HS1040A	Neon Blue	8 x 8 x 16	20.3 x 20.3 x 40.6

PPE Dispensers & Holders

MADE IN USA



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® M
- Use bins to store tubes, tips, etc.

Item No.	Color	L x W x H *in*	L x W x H *cm*
HS234523	Clear ☐	10.4 x 5.4 x 17.3	26.5 x 13.7 x 44

Parafilm® is a registered trademark of Bemis Inc.
Kimwipes® is a registered trademark of Kimberly-Clark



Lab Wipe Holders

Holds Kimwipes® and other major brands

Clear acrylic holders fit boxes of small or large lab wipes

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

Item No.	Description	Color	L x W x H *in (cm)*
HS234521	Small Holder	Clear ☐	4.6 x 4.8 x 3.3 (11.8 x 12.2 x 8.4)
HS234522	Large Holder	Clear ☐	12.6 x 5 x 3.8 (32 x 12.7 x 9.7)

Kimwipes® is a registered trademark of Kimberly-Clark

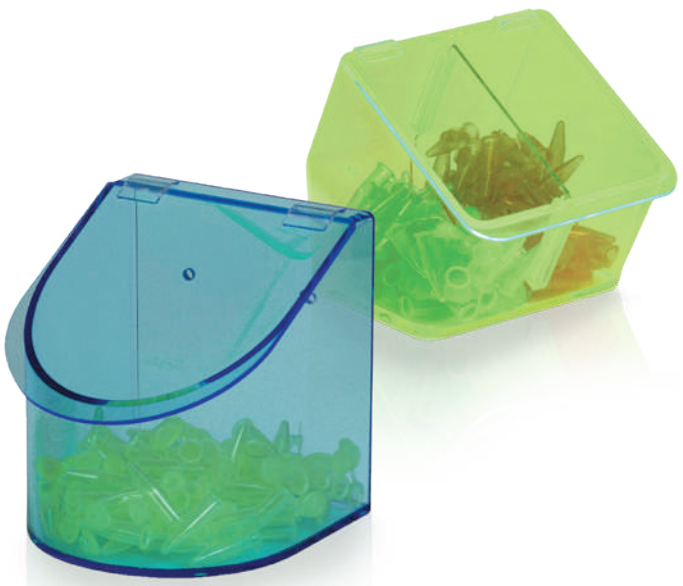
Benchtop Dispensing Bins

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

Item No.	Color	Compartments	L x W x H *in*	L x W x H *cm*
HS23411	Neon Green ■	2	7.1 x 6.1 x 6.5	18 x 15.5 x 16.5
HS23412	Neon Blue ■	1	6.1 x 6.1 x 6.7	15.5 x 15.5 x 17



Clear Acrylic Glove Box Holders

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

Item No.	Capacity	L x W x H *in*	L x W x H *cm*
HS23471A	1	10.3 x 5.9 x 4.5	26.3 x 14.6 x 11.4
HS23471B	2	11.4 x 10.3 x 4.5	29.2 x 26 x 11.4
HS23471C	3	11.6 x 15.2 x 4.3	29.4 x 38.8 x 11.6





HDPE Coated Wire Glove Box Holders

Keep gloves organized & ready for immediate use

- HDPE-coated steel wire racks are an economical solution
- 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

Item No.	Capacity	L x W x H *in*	L x W x H *cm*
HS23457	1	5.5 x 8.2 x 4.3	14 x 20.9 x 10.8
HS23458	3	9.8 x 17.9 x 4.3	25 x 45.4 x 10.8

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 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 holders
- Universal fit for most major brands of glove boxes
- Mounting screws included

US Patent No. 6669157 *Pack of 3*

Item No.	Description	Color	L x W x H *in*	L x W x H *cm*
120258	Standard	White ☐	10 x 6.1 x 3.8	25.4 x 15.6 x 9.7
HS23491A	Anti-microbial	Blue ■		





MADE IN USA

Flexible Glove Box Holder

Glove box holder ideal for gloves, face masks, shoe covers and more

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

Adaptable
Store different size boxes all in one holder

Item No.	Color	L x W x D *in*	L x W x D *cm*
120107	White ☐	21.9 x 5.2 x 2.7	55.8 x 13.2 x 6.8

Delivery

We stock our warehouse to ensure product availability and on-time delivery.
By offering low minimum order quantities, we help dealers efficiently maintain lower stocking levels.



Sealing & Labeling

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



Heat Sealer

Parafilm & Dispensers

Films, Tapes & Foils

Labels

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

- Can seal a bag up to 12 in (30.5 cm) long
- Heating element measures 31 cm long and is only hot when sealing
- Includes one replacement part kit
- Additional replacement part kits can be ordered separately



Replacement Part Kit:

- 2 extra blades,
- 2 extra heating elements,
- 2 extra PTFE cloths



Timing knob ensures safe sealing

Item No.	Power Supply	L x W X H *in*	L x W X H *cm*
HS28270	220-230 VAC, UK	17.6 x 3.4 x 6.5	44.6 x 8.6 x 16.6
HS28271	220-230 VAC, Cont. Europe/Israel		
HS28272	110-120 VAC, US/Taiwan/Japan		
HS28280	Replacement Part Kit		

Parafilm® M Sealing Film

Protect the integrity of your laboratory and research applications

MADE IN USA

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

- Protect the integrity of research applications with a tight moisture-barrier that holds a strong seal and doesn't release from glassware, despite off-gassing
- Reduce the risk of tampered data with a covering that is odorless, colorless and semi-transparent
- Prevents moisture and volume loss due to material composition and tight seal
- Flexible and self-sealing material allows it to cling around irregular shapes and surfaces
- Stretches more than 200% of original length
- Resistant up to 48 hours against many polar substances such as saline solutions, inorganic acids and alkaline solutions
- Two color options available in 2" rolls (natural and purple) for color coding purposes



Item No.	Color	Film Width *in*	Film Width *cm*	Roll Length *ft*	Roll Length *m*
HS234526A	Natural	2	5	250	76.2
120762	Purple	2	5	250	76.2
HS234526B	Natural	4	10	125	38.1
HS234526C	Natural	4	10	250	76.2
120265	Natural	20	50.8	50	15.2

Parafilm® M is a registered trademark of Amcor Limited

Box Top Dispenser for Parafilm® M Sealing Film

Easy application

Simply place the dispenser on top of the Parafilm® M box and pull the sealing film through, there is no need to remove rolls from the packaging

- Accommodates two 50 mm or one 100 mm Parafilm® M rolls
- Built in safety blade slides and cuts with no danger to fingertips and eliminates the need for scissors
- Supplied with two safety blades, additional replacement blades are available for purchase
- Made with ABS plastic making the unit easy to clean



Item No.		L x W x H *in*	L x W x H *cm*
120667	Blue ■	4.9 x 6.8 x 3.9	12.3 x 17.2 x 9.9
120668	Purple ■		
120758	Natural □		

Item No.	
120722	Replacement Blades for Box Top Dispenser, *Pack of 3*

Parafilm® M is a registered trademark of Amcor Limited



ABS Dispenser for Parafilm® M Sealing Film

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

- ABS plastic dispenser designed with integrated safety razor that slides smoothly creating a clean cut
- Supplied with two safety blades, additional replacement blades are available for purchase
- Dispenser holds one or two 50 mm (2-inch) rolls or one 100 mm (4-inch) roll

Item No.		L x W x H *in*	L x W x H *cm*
HS234525B	Blue ■	4.7 x 6.1 x 6.7	12 x 15.6 x 17.1
HS234525C	Green ■		
HS234525D	Red ■		

Item No.	
HS234525R	Replacement Blades for ABS Dispenser, *Pack of 5*

Parafilm® M is a registered trademark of Amcor Limited
Tough-Tags® is a registered trademark of Diversified Biotech

Acrylic Dispenser for Parafilm® M Sealing Film

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

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



Item No.	L x W x H *in*	L x W x H *cm*
HS234524	4.7 x 6.6 x 6.9	11.9 x 16.8 x 17.5

Parafilm® M is a registered trademark of Amcor Limited
Tough-Tags® is a registered trademark of Diversified Biotech

PetriSEAL™ and ContainerSEAL™

Sealing tape for petri dishes, microplates, lids and caps

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



PetriSEAL™

Item No.	Color	Film Width *in*	*cm*	Roll Length *ft*	*m*
HEAPSEAL-108B	Blue				
HEAPSEAL-108C	Clear				
HEAPSEAL-108R	Red	0.5	1.3	108	33
HEAPSEAL-108Y	Yellow				
HEAPSEAL-108W	White				



ContainerSEAL™

Item No.	Color/Size	Film Width *in*	*cm*	Roll Length *ft*	*m*
HEACSEAL-75R	Red				
HEACSEAL-75W	White	0.8	1.9	108	33
HEACSEAL-75Y	Yellow				
HEACSEAL-XLR	Red XL				
HEACSEAL-XLW	White XL	1	2.5	108	33
HEACSEAL-XLY	Yellow XL				

PetriSeal™ and ContainerSeal™ are trademarks of Diversified Biotech, Inc



Foil Rolls

Designed for easy use and minimal waste

- Two sizes available for covering small surface such as beakers, flasks, tubes and Petri dishes
- Withstands autoclaving, incubating and freezing temperatures

Item No.	Thickness *mm*	Roll Width *in*	*cm*	Roll Length *ft*	*m*
HS23534A	0.015	4	10.2	500	152.4
HS23536A	0.015	6	15.3	500	152.4

Cryo-Babies® and Cryo-Tags® Low Temperature Labels

For secure uncompromised labeling

- Chemically inert
- Adheres to most plastics (100% virgin PP tubes recommended), glass and metals without cracking, peeling or degrading
- Flexible polyolefin material and acrylic adhesive expand and contract with temperature fluctuations

AUTOCLAVABLE 121° C

LOW TEMP -196° C



Cryo-Babies® on a Roll

Ideal Use	0.5 mL Tubes	1.5 mL Tubes	General Purpose
	LABEL	LABEL	LABEL
Label Dimensions	0.94 x 0.50 in (24 x 13 mm)	1.28 x 0.50 in (33 x 13 mm)	1.50 x 0.75 in (38 x 19 mm)
UOM	1,000/roll	1,000/roll	1,000/roll
Item No.			
White	**HEACRY-0500**	**HEACRY-1000**	**HEACRY-2000**
Blue	-	**HEACRY-1000-B**	**HEACRY-2000-B**
Green	-	**HEACRY-1000-G**	**HEACRY-2000-G**
Orange	-	**HEACRY-1000-O**	**HEACRY-2000-O**
Red	-	**HEACRY-1000-R**	**HEACRY-2000-R**
Yellow	-	**HEACRY-1000-Y**	**HEACRY-2000-Y**

Cryo-Babies® and Cryo-Tags® are registered trademarks of Diversified Biotech, Inc

For write-on labels, see our selection of Sharpie® Pens



Dual-tip & Standard Fine Tip Sharpie® Pens, Page 48

Cryo-Babies® and Cryo-Tags® Low Temperature Labels

For secure uncompromised labeling

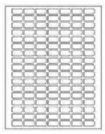
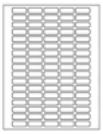
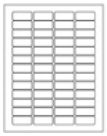
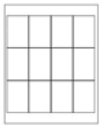
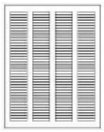
- Chemically inert
- Adheres to most plastics (100% virgin PP tubes recommended), glass and metals without cracking, peeling or degrading
- Flexible polyolefin material and acrylic adhesive expand and contract with temperature fluctuations

AUTOCLAVABLE 121° C

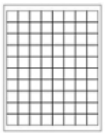
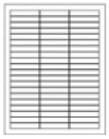
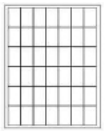
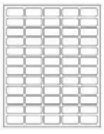
LOW TEMP -196° C



Laser Cryo-Tags® and Cryo-Babies® on Sheets formatted for laser printers

Ideal Use	0.5 mL Tubes	1.5 mL Tubes	1.5 mL Tubes	Cryogenic Vials	Bottles & Beakers	Microplates
						
Label Dimensions	0.94 x 0.50 in (24 x 13 mm)	1.28 x 0.50 in (33 x 13 mm)	1.28 x 0.50 in (33 x 13 mm)	1.69 x 0.75 in (43 x 19 mm)	3.0 x 2.0 in (76 x 51 mm)	1.50 x 0.25 in (38 x 6 mm)
Labels/Sheet	119	51	85	52	12	156
Labels/pk	2,380	1,020	1,700	1,040	240	3,120
UOM	20/pk	20/pk	20/pk	20/pk	20/pk	20/pk
Item No.						
White	**HEALCRY-2380**	**HEAMINI-1700**	**HEALCRY-1700**	**HEALCRY-1100**	**HEALCRY-3020**	**HEASIDE-1000**
Blue	**HEALCRY-2380-B**	-	**HEALCRY-1700-B**	**HEALCRY-1100-B**	-	**HEASIDE-1100**
Green	**HEALCRY-2380-G**	-	**HEALCRY-1700-G**	**HEALCRY-1100-G**	-	**HEASIDE-1200**
Orange	**HEALCRY-2380-O**	-	**HEALCRY-1700-O**	**HEALCRY-1100-O**	-	**HEASIDE-1300**
Red	**HEALCRY-1380-R**	-	**HEALCRY-1700-R**	**HEALCRY-1100-R**	-	**HEASIDE-1400**
Yellow	**HEALCRY-1380-Y**	-	**HEALCRY-1700-Y**	**HEALCRY-1100-Y**	**HEALCRY-3020-Y**	**HEASIDE-1500**
Rainbow*	**HEARNBW-2300**	-	**HEARNBW-2200**	**HEARNBW-2000**	-	**HEARNBW-2400**

Laser Cryo-Tags® and Cryo-Babies® on Sheets formatted for laser printers - continued

Ideal Use	Microscope Slides	Racks & Boxes	Racks & Boxes	Racks & Boxes	General Purpose	General Purpose
						
Label Dimensions	1.0 x 1.0 in (25 x 25 mm)	2.50 x 0.50 in (64 x 13 mm)	2.625 x 1.0 in (67 x 25 mm)	1.125 x 1.75 in (29 x 45 mm)	8.5 x 11.0 in (216 x 279 mm)	1.50 x 0.75 in (38 x 19 mm)
Labels/Sheet	80	60	30	42	1	60
Labels/pk	1,600	1,200	600	840	20	1,200
UOM	20/pk	20/pk	20/pk	20/pk	20/pk	20/pk
Item No.						
White	**HEALCRY-1400**	**HEALCRY-2500**	**HEALCRY-1258**	**HEALCRY-1300**	**HEALCRY-1000**	**HEALCRY-1200**
Blue	-	-	**HEALCRY-1258-B**	-	-	**HEALCRY-1200-B**
Green	-	-	**HEALCRY-1258-G**	-	-	**HEALCRY-1200-G**
Orange	-	-	**HEALCRY-1258-O**	-	-	**HEALCRY-1200-O**
Red	-	-	**HEALCRY-1258-R**	-	-	**HEALCRY-1200-R**
Yellow	-	-	**HEALCRY-1258-Y**	**HEALCRY-1300-Y**	-	**HEALCRY-1200-Y**
Rainbow*	-	-	**HEARNBW-2500**	-	-	**HEARNBW-2100**

**Rainbow 4 sheets of each Blue, Green, Orange, Red, Yellow*

Cryo-Babies® and Cryo-Tags® are registered trademarks of Diversified Biotech. Inc

Tough-Spots® Tube Labels

Pre-cut peel off labels for tube tops

- Adheres to most plastics, glass, and metals without cracking, peeling or degrading
- Flexible polyolefin material and acrylic adhesive



Tough-Spots® on a Roll

Ideal Use	0.2 mL Tubes	0.5 mL Tubes	1.5/2.0 mL Tubes	1.5/2.0 mL Tubes	15-50 mL Tubes	50 mL Tubes
Label Diameter	0.1875 in/4.8 mm	0.375 in/9.5 mm	0.4375 in/11 mm	0.50 in/13 mm	0.75 in/19 mm	1.0 in/25 mm
UOM	1,500/roll	1,000/roll	1,000/roll	1,000/roll	500/roll	500/roll
Item No.						
White	**HEATS-TNY**	**HEAT-SPOTS**	**HEATSPOTS-44**	**HEAT-SPOTS-50**	HEATSPOTS-75	HEAT-SPOTS-100
Blue	-	**HEAT-SPOTS-B**	-	**HEAT-SPOTS-50-B**	-	-
Coffee	-	**HEAT-SPOTS-C**	-	**HEAT-SPOTS-50-C**	-	-
Gold	-	**HEAT-SPOTS-D**	-	**HEAT-SPOTS-50-D**	-	-
Green	-	**HEAT-SPOTS-G**	-	**HEAT-SPOTS-50-G**	-	-
Lavender	-	**HEAT-SPOTS-L**	-	**HEAT-SPOTS-50-L**	-	-
Maroon	-	**HEAT-SPOTS-M**	-	**HEAT-SPOTS-50-M**	-	-
Orange	-	**HEAT-SPOTS-O**	-	**HEAT-SPOTS-50-O**	-	-
Pink	-	**HEAT-SPOTS-P**	-	**HEAT-SPOTS-50-P**	-	-
Red	-	**HEAT-SPOTS-R**	-	**HEAT-SPOTS-50-R**	-	-
Silver	-	**HEAT-SPOTS-S**	-	**HEAT-SPOTS-50-S**	-	-
Yellow	-	**HEAT-SPOTS-Y**	-	**HEAT-SPOTS-50-Y**	-	-

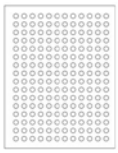
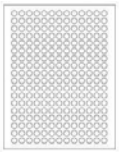
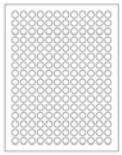
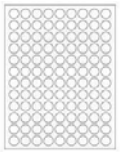
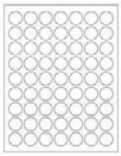




- Label sheets are top coated and heat-resistant to prevent jams in laser printers
- Printer formatting instruction included



Laser Tough-Spots® on Sheets formatted for laser printers

Ideal Use	0.2 mL Tubes	0.5 mL Tubes	1.5/2.0 mL Tubes	1.5/2.0 mL Tubes	15-50 mL Tubes
					
Label Diameter	0.375 in/9.5 mm	0.4375 in/11 mm	0.50 in/13 mm	0.75 in/19 mm	1.0 in/25 mm
Labels/sheet	192	234	192	108	63
Labels/pk	3,840	4,680	3,840	2,160	1,260
UOM	20/pk	20/pk	20/pk	20/pk	20/pk
Item No.					
White	**HEASPOT-1000**	**HEASPOT-5000**	**HEASPOT-2000**	**HEASPOT-3000**	**HEASPOT-4000**
Blue	**HEASPOT-1100**	-	**HEASPOT-2100**	-	-
Green	**HEASPOT-1200**	-	**HEASPOT-2200**	-	-
Orange	**HEASPOT-1300**	-	**HEASPOT-2300**	-	-
Red	**HEASPOT-1400**	-	**HEASPOT-2400**	-	-
Yellow	**HEASPOT-1500**	-	**HEASPOT-2500**	-	-
Rainbow*	**HEARNBW-1000**	-	**HEARNBW-1100**	-	-

**Rainbow 4 sheets of each Blue, Green, Orange, Red, Yellow*

Tough-Spots® is a registered trademarks of Diversified Biotech, Inc

Tough-Tags® Tube Labels

Pre-cut labels for identification

- Adheres to most plastics, glass, and metals without cracking, peeling or degrading
- Flexible polyolefin material and acrylic adhesive

AUTOCLAVABLE 121° C



Tough-Tags® on a Roll

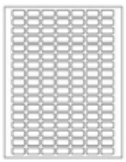
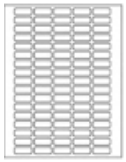
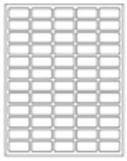
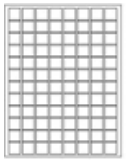
Ideal Use	0.2 mL Tubes	0.5 mL Tubes	1.5/2.0 mL Tubes	General Purpose	Microplates
Label Diameter	0.81 x 0.28 in/21 x 7 mm	0.94 x 0.50 in/24 x 13 mm	1.28 x 0.50 in/33 x 13 mm	1.50 x 0.75 in/38 x 19 mm	1.50 x 0.28 in/38 x 6 mm
UOM	1,500/roll	1,000/roll	1,000/roll	1,000/roll	1,000/roll
Item No.					
White	**HEATT-TNY**	**HEATTSW-1000**	**HEATTLW-1000**	**HEATTGP-1000**	HEATT-SWALL
Blue	-	**HEATTSB-1000**	**HEATTLB-1000**	-	-
Green	-	**HEATTSG-1000**	**HEATTLG-1000**	-	-
Orange	-	**HEATTSO-1000**	**HEATTLO-1000**	-	-
Red	-	**HEATTSR-1000**	**HEATTLR-1000**	-	-
Yellow	-	**HEATTSY-1000**	**HEATTLY-1000**	-	-
Clear	-	**HEATTSC-1000**	**HEATTLC-1000**	-	-

- Label sheets are top coated and heat-resistant to prevent jams in laser printers
- Printer formatting instruction included



Tough-Tags® is a registered trademarks of Diversified Biotech, Inc

Laser Tough-Tags® on Sheets formatted for laser printers

Ideal Use	0.5 mL Tubes	1.5/2.0 mL Tubes	General Purpose	Microscope Slides
				
Label Dimensions	0.94 x 0.50 in/24 x 13 mm	1.28 x 0.50 in/33 x 13 mm	1.50 x 0.75 in/38 x 19 mm	0.94 x 0.94 in/22 x 22 mm
Labels/Sheet	119	85	60	96
Labels/pk	2,975	2,125	1,500	2,400
UOM	25/pk	25/pk	25/pk	25/pk
Item No.				
White	**HEATTSW-2240**	**HEATTLW-2016**	**HEATTLW-1050**	**HEAMISL-1000**
Blue	**HEATTSW-2240-B**	**HEATTLW-2016-B**	**HEATTLW-1050-B**	**HEAMISL-1000-B**
Green	**HEATTSW-2240-G**	**HEATTLW-2016-G**	**HEATTLW-1050-G**	**HEAMISL-1000-G**
Orange	**HEATTSW-2240-O**	**HEATTLW-2016-O**	**HEATTLW-1050-O**	**HEAMISL-1000-O**
Red	**HEATTSW-2240-R**	**HEATTLW-2016-R**	**HEATTLW-1050-R**	**HEAMISL-1000-R**
Yellow	**HEATTSW-2240-Y**	**HEATTLW-2016-Y**	**HEATTLW-1050-Y**	**HEAMISL-1000-Y**
Rainbow*	**HEARNBW-3100**	**HEARNBW-3000**	**HEARNBW-3200**	**HEARNBW-3300**

**Rainbow 4 sheets of each Blue, Green, Orange, Red, Yellow*

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®

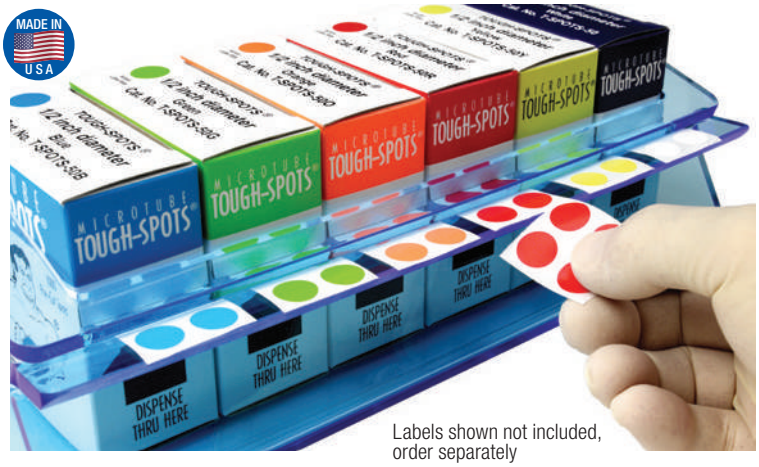
Just drop the box in the label station and feed the paper through the slot

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

Item No.	Color	L x W x H *in*	L x W x H *cm*
HS23460	Blue ■	11 x 4.7 x 3.5	28 x 12 x 8.9

Tough-Tags®, Cryo-Babies® and Tough-Spots® are registered trademarks of Diversified Biotech, Inc.

MADE IN USA



Labels shown not included, order separately

Charts & References



Plastic Material References

Plastic Material References

Chemical Resistance of Plastics

G Good Resistance: continuous exposure to the substance does not cause damage within 30 days
F Fair Resistance: continuous exposure to the substance causes minor damage within 7-30 days
P Poor Resistance: not suitable for continuous exposure to the substance. Immediate damage may occur

	LDPE		HDPE		PP		PMP (TPX)		PVC		PC		ABS/PS		SAN		PMMA		PTFE		POM	
TEMPERATURE °C	**20**	**50**	**20**	**50**	**20**	**50**	**20**	**50**	**20**	**50**	**20**	**50**	**20**	**50**	**20**	**50**	**20**	**50**	**20**	**50**	**20**	**50**
Acetaldehyde	G	P	G	F	F	P	F	P	P	P	F	P	P	P	P	P	P	P	G	G	G	G
Acetic Acid (Glacial)	F	P	G	G	G	F	F	F	G	P	P	P	P	P	P	P	P	P	G	G	P	P
Acetic Anhydride	P	P	F	F	F	F	G	F	P	P	P	P	P	P	P	P	P	P	G	G	P	P
Acetone	F	P	P	P	F	P	G	G	P	P	P	P	P	P	P	P	P	P	G	G	G	G
Ammonium Chloride (10%)	G	G	G	G	G	G	G	G	G	F	F	F	G	G	G	G	F	F	G	G		
Ammonium Hydroxide (30%)	G	G	G	G	G	G	G	G	G	P	P	F	F	F	F	F	F	F	G	G	G	G
Amyl Acetate	F	P	G	F	F	P	G	F	P	P	P	P	P	P	P	P	G	G	G	G	G	G
Aniline (Phenylamine)	G	F	G	G	G	G	G	F	P	P	P	P	P	P	P	P	P	P	G	G	F	F
Aqua Regia	P	P	P	P	P	P	P	P	P	P	P	P	P	P	F	P	P	P	G	G	G	G
Benzaldehyde	G	F	F	P	P	F	G	F	P	P	P	P	P	P	P	P	P	P	G	G	G	G
Benzene	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	G	G	G	F
Benzoic Acid	G	G	G	G	G	F	G	G	G	F	G	F	F	F	G	G	G	G	G	G		
Boric Acid (10%)	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Butyl Acetate	F	F	F	F	F	F	F	F	G	P	P	P	P	P	P	P	P	P	G	G	G	F
Butyric Acid (Butanoic acid)	P	P	F	P	P	P	P	P	G	P	P	P	P	P	P	P	P	P	G	G		
Calcium Hydroxide (Saturated)	G	G	G	G	G	G	G	G	G	G	P	P	F	F	G	G	F	P	G	G	G	G
Carbon Disulphide	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	G	G	G	G
Carbon Tetrachloride	F	P	F	P	F	P	P	P	G	P	P	P	P	P	F	P	P	P	G	G	F	F
Chloroform	F	P	F	P	P	P	P	P	G	P	P	P	P	P	P	P	P	P	G	G	P	P
Citric Acid (1M)	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G		G	G		
Cresol	P	P	F	P	F	F	P	P	P	P	P	P	F	P	P	P	P	P	G	G		
Cyclohexane	F	P	F	P	F	P	P	P	P	P	G	F	P	P	F	P	F		G	G	G	G
Dibutyl Phthalate	F	P	F	P	F	P	F	F	P	P	F	P	P	P	P	P	P	P	G	G	G	G
Dichlorobenzene	F	P	F	P	F	P	P	P	P	P	P	P	P	P	P	P	P	P	G	G	P	P
Diethyl Ether	P	P	F	P	F	P	P	P	G	P	P	P	P	P	P	P	P	P	G	G	G	G
Diethylene Glycol	G	G	G	G	G	G	G	G	F	P	F	F	G	G	G	G	P	P	G	G	G	G
Dimethyl Formamide (DMF)	G	G	G	G	G	G	G	G	P	P	P	P	P	P	P	P	P	P	G	G	G	G
Dimethyl Sulfoxide (DMSO)	G	G	G	G	G	G	G	G	P	P	P	P		F	P	P	P	P	G	G		
Dioxane	F	F	F	F	P	P	F	F	P	P	P	P	P	P	P	P	P	P	G	G	F	F
Ethyl Acetate (Ethyl Ester)	G	G	G	G	F	P	F	P	P	P	P	P	F	P	P	P	P	P	G	G		
Ethyl Alcohol (Absolute Ethanol)	G	F	G	G	G	G	G	F	G	G	G	F	G	F	P	P	P	P	G	G	G	G
Ethyl Chloride (Chloroethane)	F	P	P	P	F	P	F	P	P	P	P	P	F	P	P	P	P	P	G	G		
Ethylene Chloride	F	P	P	P	F	P	F	P	P	P	P	P	F	P	P	P	P	P	G	G	P	P
Ethylene Oxide (Pure)	F	F	F	F	F	P	F	P	P	P	F	P	P	P	P	P	G	G	G	G	G	G
Ethylene Oxide (Gas)	F	F	G	G	G	G	F	F	F	F	G	G	G	F	F	F	G	G	G	G		
Formaldehyde (Formalin) 40%	G	F	G	F	G	G	G	G	G	G	G	G	F	F	F	P	G	F	G	G	G	G
Formic Acid (50%)	F	F	G	G	G	F	G	G	G	P	F	F	F	F	G	F			G	G		
Formic Acid (100%)	F	F	G	G	G	F	G	G	G	P	F	P	F	F	P	P			G	G	P	P
Glycerine (Glycerol)	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F	F
Hexane	P	P	F	F	F	F	F	P	G	P	F	P	P	P	G	G	G		G	G	G	G
Hydrobromic Acid (69%)	G	G	G	F	G	F	G	G	G	G	F	F	F	F	F	F	P	P	G	G	P	P
Hydrochloric Acid (5%)	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F		G	G	P	P
Hydrochloric Acid (35%)	G	G	G	G	G	F	G	F	G	G	F	P	G	G	G	F	P	P	G	G	P	P
Hydrofuoric Acid (48%)	G	G	G	G	G	F	G	F	F	F	F	P	P	P	G	F	P	P	G	G	P	P
Hydrogen Peroxide (30%)	G	G	G	G	G	F	G	F	G	G	G	G	G	F	G	G	F	P	G	G	G	P
Lactic Acid (85%)	G	G	G	G	G	F	G	F	G	F	G	F	G	G	G	G	G	G	G	G	G	P
Methyl Acetate	G	P	G	G	G	F	F	P	P	P	P	P	P	P	P	P			G	G		
Methyl Alcohol (Methanol)	G	F	G	G	G	G	G	F	G	G	F	F	F	F	P	P	P	P	G	G	G	G
Methyl Ethyl Ketone (Butanone)	P	P	P	P	G	G	G	P	P	P	P	P	P	P	P	P	P	P	G	G		
Methylene Chloride (Dichloro Methane)	P	P	G	P	G	P	G	P	P	P	P	P	P	P	P	P	P	P	G	G	P	P
Mineral Oil	F	G	G	G	G	F	G	F	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Nitric Acid (10%)	G	G	F	F	F	F	F	F	F	G	G	F	F	G	F	F	G		G	G	P	P
Nitric Acid (70%)	G	P	G	P	P	P	G	P	P	P	P	P	P	P	P	P	P	P	G	G	P	P
Nitrobenzene	P	P	P	P	P	P	G	P	P	P	P	P	P	P	P	P	P	P	G	G	F	P
Oxalic Acid (10%)	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Perchloric Acid (70%)	F	P	F	P	F	P	F	P	F	P	P	P	F	F	F	F	G	G	F	F	P	P
Phenol (100%)	P	P	P	P	P	P	G	P	P	P	P	P	P	P	P	P	P	P	G	G	P	P
Phosphoric Acid (85%)	G	P	G	G	G	F	G	F	G	F	G	F	G	F	G	G	F	P	G	G	G	P

	LDPE		HDPE		PP		PMP (TPX)		PVC		PC		ABS/PS		SAN		PMMA		PTFE		POM	
TEMPERATURE °C	**20**	**50**	**20**	**50**	**20**	**50**	**20**	**50**	**20**	**50**	**20**	**50**	**20**	**50**	**20**	**50**	**20**	**50**	**20**	**50**	**20**	**50**
Picric Acid	P	P	P	P	P	P	G	G	P	P	P	P	F	F	G	G			G	G		
Potassium Hydroxide (30%)	G	G	G	G	G	G	G	G	G	G	P	P	F	F	G	G	G	G	G	G	G	G
Potassium Permanganate	G	G	G	G	G	F	G	G	G	F	G	G	G	F	F	F	F	P	G	G	F	F
Propylene Glycol	G	G	G	G	G	G	G	G	F	F	F	F	G	G	G	G			G	G	G	G
Pyridine	P	P	P	P	G	G	F	P	P	P	P	P	P	P	P	P	P	P	G	G	G	F
Salicylic Acid	G	G	G	G	G	G	G	G	F	F	G	F	G	F	G	F			G	G	P	P
Silver Nitrate	G	F	G	G	G	G	G	G	G	F	G	G	G	G	G	F			G	G	F	F
Sodium Hydroxide (50%)	F	F	G	G	G	G	G	G	G	G	P	P	G	F	G	F	G	P	G	G	G	G
Sodium Hypochlorite (15%)	G	F	G	F	F	P	G	G	G	G	F	F	G	F	G	G	G	G	G	G		
Sulphuric Acid (20%)	G	G	G	G	G	G	G	G	G	F	G	F	G	G	G	F	G	G	G	G		
Sulphuric Acid (60%)	G	F	G	F	F	F	G	F	G	F	F	F	G	F	P	P	P	P	G	G	P	P
Sulphuric Acid (98%)	F	F	F	F	F	G	F	F	F	P	P	P	F	F	P	P	P	P	G	G	P	P
Tetrahydrofuran (THF)	F	P	F	G	F	F	F	F	P	P	P	P	P	P	P	P	P	P	G	G	F	F
Toluene	F	P	P	P	P	P	F	F	P	P	P	P	P	P	P	P	P	P	G	G	P	P
Trichloroacetic Acid	F	P	F	P	F	F	G	G	F	P	F	P	F	P	P	P			G	G		
Trichloroethylene	P	P	P	P	P	P	G	P	P	P	P	P	P	P	P	P	P	P	G	G	P	P
Turpentine	F	P	F	P	F	P	F	P	F	F	F	P	P	P	F	P	F	P	G	G	G	G
Xylene	P	P	F	P	P	P	F	P	P	P	P	P	P	P	P	P	P	P	G	G	G	G
Zinc Chloride (10%)	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F
Zinc Sulphate (10%)	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F	P

Physical Properties of Plastics

	LDPE	HDPE	PP	PMP (TPX)	PC	PS	PMMA	PTFE
Max Usage Temp. °C	80	120†	135	145	135	90	50	260
Min Usage Temp. °C	-50	-100	-20‡	-180	-135	-40	-60	-200
Transparency	Translucent	Translucent	Translucent	Clear	Clear	Clear	Clear	Opaque
Flexability	Flexible	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid
Specific Gravity	0.92	0.95	0.9	0.83	1.2	1.05	1.2	2.2
Microwavable	Yes	No	Yes	Yes	Marginal	No	No	Yes
Sterilization								
Autoclavable	No	No	Yes	Yes	Yes	No	No	Yes
Gas	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Dry Heat	No	No	No	Yes	No	No	No	Yes
Radiation (Gamma)	Yes	Yes	No	No	Yes	Yes	Yes	Yes
Disinfection	Yes	Yes	Yes	Yes	Yes	Some	Some	Yes

† Polymer may be malleable at temperatures above 80°C if the product is under structural stress

‡ Material may become brittle at low temperatures

Note:

The information provided in the Chemical Resistance of Plastics chart is intended to provide guidelines for reference only. 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.

Sterilization:

- Autocalving (121°C, 16 psi for 15 minutes)—Clean and rinse items with distilled water before autoclaving. (Always completely disengage thread before autoclaving.) Certain chemicals which have no appreciable effect on resins at room temperature may cause deterioration at autoclaving temperatures unless removed with distilled water beforehand.
- Gas—Ethylene Oxide, formaldehyde, hydrogen peroxide.
- Dry heat (160°C, 120 minutes)
- Disinfectants—Benzalkonium chloride, formalin/formaldehyde, ethanol, etc.
- Radiation—gamma irradiation at 25 kGy (2.5 MRad) with unstabilized plastic.



Heathrow Scientific®
design | function | innovation