

# Cannabis Science



Supplies  
Chemicals  
Safety  
Equipment

Connect With Us:



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## Supporting the Cannabis Community

Thomas Scientific is a fourth generation, 3rd largest, fastest growing scientific supplier that is excited to support the Cannabis community. Our combined warehouse has approximately 50 million dollars of in stock inventory, currently shipping to all 50 states and internationally. Our broad portfolio of instruments, equipment, safety, consumables, supplies and chemicals is possible through our access to 1,500 different suppliers (and growing daily). We pride ourselves on being able to offer our customers the full portfolio of items they need while offering the value of extended product support and industry knowledge."

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As of July 28th, 2021, Thomas Scientific successfully affirmed conformance to ISO 9001:2015 standards at all seven U.S facilities. The ISO Certification is focused on an organization's Quality Management Systems (QMS), which is a collection of formalized processes, procedures, assets, and values that guide the organization towards consistently high customer satisfaction. Thomas Scientific's Certificate of Registration validates its QMS under the scope of provider of cleanroom, ESD, Lab and Safety supplies, and Chemicals to the controlled environment community and ancillary industries. The ISO Certification will now provide current and future customers with an added level of transparency into their business dealings with Thomas Scientific.



# Testing, Analysis and Extraction

## United Scientific Supplies

### Polypropylene Laboratory Tray

Multipurpose Polypropylene molded trays can be used for sterilizing, drying glassware, porcelain ware, and other laboratory supplies. These steam autoclavable trays have tapered walls designed for nesting.



Thomas No.	Description	Pack
1208Y67	Polypropylene Laboratory Tray, 18" x 14" x 3"	10
1208Y68	Polypropylene Laboratory Tray, 15" x 12" x 3"	10
1208Y69	Polypropylene Carrier Tray, 15" x 9.5" x 4.5"	6
1208Y70	Polypropylene Laboratory Tray, 15" x 14" x 5"	6
1208Y71	Polypropylene Laboratory Tray, Flat	10
1208Y72	Polypropylene Draining Tray, 16" x 16" x 4"	6

## Intermetro

### Metro WavDri Drying Tray

WavDri is a cannabis drying tray designed to maximize efficiency with better airflow and a thorough rotation process. Features such as a lightweight material, rotation indicator and Microban antimicrobial product protection make this polymer drying tray ideal for agribusiness processing.



Thomas No.	Description	Each
21A00G789	Metro WavDri Drying Tray	1
21A00G790	Metro WavDri Drying Tray, Indicator Flag	1

## labForce®

### PH200 Portable Meter Kit for Soil

The labForce TS-S200 Portable pH Meter is designed for professional direct soil pH measurements. The 3-in-1 POM pH/Temp. Electrode uses Polymer electrolyte, Long-Life reference system, & a unique blue spear sensor tip, making precise direct soil pH measurement easier than ever.



Thomas No.	Description	Each
1147H84	Portable pH Meter for Soil Test Includes PH200 Meter, Spear pH/Temp. Electrode, Buffers, USB cable, Software disk & carrying case	1

## 3M

### Petrifilm™ Rapid Yeast and Mold Count Plate

Yeast and molds can grow in a wide range of conditions in raw materials, finished products and production environments, making them difficult to control. This plate features a new indicator technology that makes colonies easier to interpret.



Thomas No.	Description	Box	Case
1185X02	Petrifilm Rapid Yeast and Mold Count Plate (RYM)	50	—
1155Y09	Petrifilm Rapid Yeast and Mold Count Plate (RYM)	—	50

## J.G. Finneran

### QuEChERS Food Extraction & Dispersive SPE Kits

- QuEChERS stands for (Quick, Easy, Cheap, Effective, Rugged & Safe)
- QuEChERS make it simple to prepare your food samples for analysis
- Extraction kits contain preweighed salts, so you can add them after the Acetonitrile Extraction step
- Dispersive SPE kits are assembled in 2ml and 15ml sizes



Thomas No.	Description	Case
C860D75	QuEChER, 4g MgSO <sub>4</sub> , 1g NaCl, 1g trisodium citrate dihydrate, 0.5g disodium hydrogencitrate sesquihydrate (EN-15662) in a 50ml tube	50
C860D76	QuEChER, 6g MgSO <sub>4</sub> , 1.5g NaOAc (AOAC 2007.01) in a 50ml tube	50
C860D77	Dispersive SPE, 900mg MgSO <sub>4</sub> , 300mg PSA, 150mg GCB in a 15ml tube	50

## United Scientific Supplies

### Desktop Winterization Labware Kits

Kit Contents:

- (1) Buchner Funnel, Table Type, Porcelain (1900ml / 5000ml/10000ml depending on size)
- (5) Food Grading PVC Tubing, 60" long, 1" ID x 1 1/4" ID x 1/8" Wall
- (1) Filter Paper, Medium Porosity/Flow, 18cm circle, pk/100 (FPR180)
- (2) Radiator Clamp
- (1) Neoprene Stopper, #13, 1" hole
- (1) Coupler, 3/4" ID



Thomas No.	Description	Each
20A00H753	Desktop Winterization Labware Kit (without Glassware)	1
20A00H754	Desktop Winterization Labware Kit, 5000ml	1
20A00H755	Desktop Winterization Labware Kit, 10000ml	1

## SP Bel-Art

### Scienceware® Labmat™ Bench Liner

- Disposable bench and drawer liner
- Facilitates clean-up and protects work surfaces from stains, spills and wear
- Cuts easily to desired size with scissors or the Scienceware Safety Cutter



Thomas No.	Description	Box	Roll	Case
7310W22	Labmat™ Bench Paper	—	1	6
0211G70	Labmat™ Sheets, White	1	—	—

## labForce®

### PP Wide Mouth Laboratory Bottles

- Manufactured from USP Class VI resin that is FDA -21CFR compliant for food contact
- Free of heavy metals and RoHS compliant
- BPA and Phthalate free
- Precision molded for consistent wall thickness and smooth interior and exterior surfaces
- Autoclavable and approved for use from -40 to 121°C
- Leakproof closure with integrated seal ring
- Safe, break resistant alternative to glass bottles
- Manufacturing Facility is ISO 13485 and ISO 9001 Certified



Thomas No.	Description	Pack	Case
1155L59	Bottle, Wide Mouth, Round, PP with PP Closure, 125ml	12	72
1155L60	Bottle, Wide Mouth, Round, PP w/PP Closure, 250ml	12	72
1155L61	Bottle, Wide Mouth, Round, PP w/PP Closure, 500ml	12	48
1155L62	Bottle, Wide Mouth, Round, PP w/PP Closure, 1000ml	6	24
1155L64	Bottle, Wide Mouth, Round, PP w/PP Closure, 2 L	—	6
1155L65	Bottle, Wide Mouth w/Handle, Round, PP w/PP Closure, 4 L	—	6

## Kimberly-Clark Professional

### Kimwipe® EX-L Delicate Task Wipers

- Soft & gentle on surfaces
- Absorbent
- Low-linting



Thomas No.	Description	Box	Case
2904F24	Kimwipes Delicate Task Wipers, White, 4.4" x 8.4"	280	16,800
2904F39	Kimwipes Delicate Task Wipers, White, 11.8" x 11.8"	196	2,940
1234Z62	Kimwipes Delicate Task Wipers, White, 14.7" x 16.6"	140	2,100



## United Scientific Supplies 10L Bottle/Filter Flask

With its thick glass walls and sturdy construction, this 10L bottle/flask is perfect for filtering large volumes of liquid. The thick walls and design enables this flask to withstand vacuum filtration without imploding. Graduated in 1000mL increments on a scale from 2000mL to 8000mL with an accuracy of +/- 5%. Neck size fits a #13 rubber stopper.



Thomas No.	Description	Each
1156F84	10,000mL Filter Flask, Bottle Shaped	1

## BrandTech® Dispensette® S Digital Bottletop Dispensers

The new Dispensette® S builds on a half century of BRAND® bottletop dispenser experience. It features a floating piston design with even lower operating forces, a new safety discharge system, and an improved sealing system, eliminating sealing washers for even better reliability. Designed to attach directly to your reagent bottle eliminating poured transfer. In addition to the product improvements, a new 0.1-1mL size is available.



Thomas No.	Description	Each
1183C55	Dispensette S, Digital w/standard valve, 0.1-1ml	1
1183C56	Dispensette S, Digital w/standard valve, 0.2-2ml	1
1183C57	Dispensette S, Digital w/standard valve, 0.5-5ml	1
1183C58	Dispensette S, Digital w/standard valve, 1-10ml	1
1183C59	Dispensette S, Digital w/standard valve, 1-10ml	1
1183C60	Dispensette S, Digital w/standard valve, 5-50ml	1
1183C49	Dispensette S, Digital w/recirculation valve, 0.1-1ml	1
1183C50	Dispensette S, Digital w/recirculation valve, 0.2-2ml	1
1183C51	Dispensette S, Digital w/recirculation valve, 0.5-5ml	1
1183C52	Dispensette S, Digital w/recirculation valve, 1-10ml	1
1183C53	Dispensette S, Digital w/recirculation valve, 2.5-25ml	1
1183C54	Dispensette S, Digital w/recirculation valve, 5-50ml	1

## Air-Tite All-Plastic Syringes

- Inert, sterile; low trace element content
- Research study proves low inherent toxicity
- Clear, easy-to-read graduations



Thomas No.	Description	Box	Case	Bag
8939N01	Syringe, Luer slip, 1ml	100	18,000	—
8939N07	Syringe, Luer slip, 3ml	100	25,000	—
8939N13	Syringe, Luer slip, 5ml	100	2,000	—
8939N19	Syringe, Luer slip, 10ml	100	1,200	—
8939N25	Syringe, Luer slip, 20ml	100	800	—
8939N31	Syringe, Luer slip, 30ml	50	500	—
8939N37	Syringe, Luer slip, 50ml	30	300	—
8939N43	Syringe Caps, Non-sterilized	—	—	1,000

## United Scientific Supplies Magnetic Bar Retriever

350mm length magnetic bar retriever.



Thomas No.	Description	Each
1217D17	Magnetic Bar Retriever, 350mm	1

## Globe Scientific Cylindrical Stir Bars

- Produced from PTFE
- For the stirring of liquids on magnetic stirrers and/or hotplate stirrers
- Strong alloy magnets sheathed in pure white inert PTFE
- Supplied in polarity aligned packs to ensure maximum coupling strength
- Resistant to virtually all chemical attack and temperatures up to 260°C



Thomas No.	Description	Pack
1181B85	Stir Bar, Cylindrical, PTFE, 6mm	2
1181B87	Stir Bar, Cylindrical, PTFE, 8mm	2
1181B89	Stir Bar, Cylindrical, PTFE, 12mm	2
1181B91	Stir Bar, Cylindrical, PTFE, 15mm	2
1181B93	Stir Bar, Cylindrical, PTFE, 20mm	2
1181B95	Stir Bar, Cylindrical, PTFE, 25mm	2
1181B97	Stir Bar, Cylindrical, PTFE, 30mm	2
1181B99	Stir Bar, Cylindrical, PTFE, 35mm	2
1181C01	Stir Bar, Cylindrical, PTFE, 40mm	2
1181C03	Stir Bar, Cylindrical, PTFE, 45mm	2
1181C05	Stir Bar, Cylindrical, PTFE, 50mm	2
1181C07	Stir Bar, Cylindrical, PTFE, 60mm	2
1181C09	Stir Bar, Cylindrical, PTFE, 70mm	2

## SP Bel-Art Closed Lead Rings

- Stabilize glassware immersed in water baths; reduces floating, breakage and chemical spills
- Bright red Vikem® vinyl coating
- Chemical-resistant
- Will not scratch flasks
- Available in five diameter/weight combinations



Thomas No.	Description	Each
1226C34	Lead Ring, 0.36 lb, 2.0" OD x 0.74" ID, Fits 5-10ml cylinders	1
9868A35	Lead Ring, 0.5 lb, 3.0" OD x 1.7" ID, Fits 125-500ml flasks	1
9868A37	Lead Ring, 1.0 lb, 3.5" OD x 2.0" ID, Fits 250-1000ml flasks	1
9868A39	Lead Ring, 1.5 lb, 4.0" OD x 2.2" ID, Fits 500-2000ml flasks	1
9868A41	Lead Ring, 2.0 lb, 4.5" OD x 2.8" ID, Fits 1000-4000ml flasks	1

## labForce® Ultra-High-Speed 15ml & 50ml Polypropylene Centrifuge Tubes

labForce Ultra-High-Speed 15ml & 50ml Centrifuge Tubes have been designed for high speed centrifugation and meet the demands of the most crucial scientific work. Produced using premium grade USP Class VI resins in an automated, touch free manufacturing process that provides both ultimate performance and cost savings to users.



Thomas No.	Description	Case
1163X42	Centrifuge Tube, High performance, 15ml, Red screw cap, Assembled, PP, Printed graduations, Sterile, 25/Bag, 20 Bags/Unit	500
1163X43	Centrifuge Tube, High performance, 15ml, Red screw cap, Assembled, PP, Printed graduations, Sterile, 25/Rack, 20 Racks/Unit	500
1163X44	Centrifuge Tube, High performance, 50ml, Red screw cap, Assembled, PP, Printed graduations, Sterile, 25/Bag, 20 Bags/Unit	500
1163X45	Centrifuge Tube, High performance, 50ml, Red screw cap, Assembled, PP, Printed graduations, Sterile, 25/Rack, 20 Racks/Unit	500





## Pall Laboratory

### Pall® Acrodisc® Syringe Filter

- Wide range of filter media available
- Available in 0.2 µm for UHPLC application
- Available with pre-filter for difficult to filter samples
- Color coded for easy identification



Thomas No.	Description	Pack	Case
21A00A675	Syringe Filter with PTFE Membrane - 0.45µm, 25mm	50	200
21A00A676	Syringe Filter with PTFE Membrane - 0.2µm, 25mm	50	200
21A00A677	Syringe Filters with PTFE Membrane - 1µm, 25mm	50	200
21A00A678	Syringe Filters with PVDF Membrane - 0.2µm, 25mm	50	200
21A00A679	Syringe Filters with PVDF Membrane - 0.45µm, 25mm	50	200
21A00A680	Syringe Filters with PVDF Membrane - 0.45µm, 25mm	1,000	—
21A00A681	Syringe Filters with PTFE Membrane - 0.45µm, 25mm	1,000	—
21A00A682	Syringe Filters with Nylon Membrane - 0.45µm, 25mm	1,000	—
21A00A683	Syringe Filter with PTFE Membrane - 1µm, 25mm	1,000	—
21A00A684	Syringe Filters with Nylon Membrane - 0.2µm, 25mm	50	200
21A00A686	Syringe Filters with PVDF Membrane - 0.2µm, 25mm	1,000	—
21A00A687	Syringe Filters with PTFE Membrane - 0.2µm, 25mm	1,000	—
21A00A688	Syringe Filters with Nylon Membrane - 0.2µm, 25mm	1,000	—
21A00A689	Syringe Filters with Nylon Membrane - GF/0.45µm, 25mm	1,000	—
21A00A690	Syringe Filter with GF/Nylon Membrane - GF/0.45µm, 25mm	50	200
21A00A691	Syringe Filter with wwPTFE Membrane - 0.45µm, 25mm	50	200
21A00A692	Syringe Filter with wwPTFE Membrane - 0.2µm, 25mm	50	200
21A00A693	Syringe Filter with wwPTFE Membrane - 0.2µm, 25mm	1,000	—
21A00A694	Syringe Filter with wwPTFE Membrane - 0.45µm, 25mm	1,000	—

## Globe Scientific

### Low Retention Pipette Tips

- Manufactured in a cleanroom using fully automated equipment
- Certified free from Human DNA, DNase, RNase, Pyrogens and PCR Inhibitors
- Produced from medical grade virgin polypropylene (PP)
- All tips are graduated for accurate measurements
- Universal fit design provides an airtight fit on most brands of pipettor



Thomas No.	Description	Pack	Bag
1196U20	Low Retention Tip, 0.1 - 10µL, 31mm, Natural, Sterile, Racked	50	200
1196U21	Low Retention Tip, 0.1 - 10µL, 31mm, Natural, Sterile, Reloading Stack	50	200
1171U41	Certified Pipette Tips, 0.1-20µL, Low Retention, Universal, Natural, 45mm, Extended Length, Bulk	50	200
1171U42	Certified Pipette Tips, 0.1-20µL, Low Retention, Universal, Natural, 45mm, Extended Length, Sterile, 96/Rack, 10 Racks/Box	50	200
1171U43	Certified Pipette Tips, 0.1-20µL, Low Retention, Universal, Natural, 45mm, Extended Length, Sterile, Reloading Stack, 96/Tray, 10 Trays/Stack	50	200
1196U22	Low Retention Tip, 1 - 200µL, 54mm, Natural, Non-Sterile, Bulk in Bag	1,000	—
1196U23	Low Retention Tip, 1 - 200µL, 54mm, Natural, Sterile, Racked	1,000	—
1196U24	Low Retention Tip, 1 - 200µL, 54mm, Natural, Sterile, Reloading Stack	1,000	—
1196U25	Low Retention Tip, 100 - 1250µL, 84mm, Extended Length, Natural, Non-Sterile, Bulk in Bag	1,000	—
1196U26	Low Retention Tip, 100 - 1250µL, 84mm, Extended Length, Natural, Sterile, Racked	50	200
1196U27	Low Retention Tip, 100 - 1250µL, 84mm, Extended Length, Natural, Sterile, Reloading Stack	1,000	—

## Pall Laboratory

### Pall® MicroFunnel™ Filter Funnel

- Certified. Each lot is certified for micro-biological analysis to provide added assurance of reliable results.
- Easy-to-use. Unique squeeze separation of cylinder from base allows easy access to membrane.
- Individually bagged, disposable filter units prevent cross-contamination of samples
- Available in 300ml capacity to process larger samples



Thomas No.	Description	Each	Pack
20A00U094	Filter Funnel with GN-6 Membrane, 100ml, 0.45µm, White, Gridded, Sterile, Individually Bagged	—	50
20A00U095	Filter Funnel with GN-6 Membrane, 100ml, 0.45µm, White, Gridded, Sterile, Bulk Pack	—	50
20A00U096	Filter Funnel with Supor® Membrane, 100ml, 0.2µm, White, Gridded, Sterile, Individually Bagged	—	50
20A00U097	Filter Funnel with GN-6 Membrane, 100ml, 0.45µm, White, Gridded, Sterile, Individually Bagged	—	200
20A00U098	Filter Funnel with Metrical® Black Membrane, 100ml, 0.45µm, Black, Gridded, Sterile, Individually Bagged	—	50
20A00U099	Filter Funnel with Supor® Membrane, 100ml, 0.2µm, White, Ungridded, Sterile, Individually Bagged	—	50
20A00U103	Filter Funnel with Petri Dish Lid Kit & GN-6 Membrane, 100ml, 0.45µm, White, Gridded, Sterile, Individually Bagged	—	50
20A00U107	Filter Funnel with GN-6 Membrane, 300ml, 0.45µm, White, Gridded, Sterile, Individually Bagged	—	20
20A00U108	Plus Filter Funnel with Metrical® Black Membrane, 300ml, 0.45µm, Black, Gridded, Sterile, Individually Bagged	—	20
20A00U109	Filter Funnel with Supor® Membrane, 300ml, 0.2µm, White, Gridded, Sterile, Individually Bagged	—	20
20A00U112	Filter Funnel with Supor® Membrane, 300ml, 0.45µm, White, Gridded, Sterile, Individually Bagged	—	20
20A00U115	Filter Funnel with Supor® Membrane, 100ml, 0.45µm, White, Gridded, Sterile, Individually Bagged	—	50
21A00A826	Filter Funnel Stopper Adapter, Autoclavable	—	3
21A00A827	Vacuum pump adapter MicroFunnel filter funnel with Milliflex PLUS pump	1	—
21A00A840	Filter Funnel Culture-in-Place Lid with base plug for 100ml, Gamma irradiated	—	20
21A00C064	Filter Funnel Adapters, Blue, Polyethylene; For vacuum manifold when using rubber stopper	1	—

## Cytiva

### Whatman Grade 1 Qualitative Filter Papers

A widely used standard grade filter paper for routine applications with medium retention and flow rate. It covers a wide range of laboratory applications and is frequently used for clarifying liquids.



Thomas No.	Description	Pack
0898S97	Grade 1 Qualitative Filter Paper Standard Grade, circle, 25mm	100
1212E51	Grade 1 Qualitative Filter Paper Standard Grade, circle, 47mm	100
4712B20	Grade 1 Qualitative Filter Paper Standard Grade, circle, 70mm	100
4712B25	Grade 1 Qualitative Filter Paper Standard Grade, circle, 90mm	100
4712B40	Grade 1 Qualitative Filter Paper Standard Grade, circle, 150mm	100
4712B45	Grade 1 Qualitative Filter Paper Standard Grade, circle, 185mm	100
4712B50	Grade 1 Qualitative Filter Paper Standard Grade, circle, 240mm	100
4712B55	Grade 1 Qualitative Filter Paper Standard Grade, circle, 270mm	100
4712C22	Grade 1 Qualitative Filter Paper Standard Grade, sheet, 460 x 570mm	100
4712C26	Grade 1 Qualitative Filter Paper Standard Grade, sheet, 460 x 570mm	500

More sizes available, visit [ThomasSci.com](http://ThomasSci.com)



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- | Sample Prep/Filtration
- | Process reactors
- | Distillation kits and systems
- | Process filter reactors
- | Beakers & Vials
- | Jars
- | Glass joints and adapters
- | Boiling flasks
- | Condenser kits
- | Chromatography – HPLC
- | IEX chromatography



**Thomas No.1198V25**  
SYNTHWARE  
Erlenmeyer Flask



**Thomas No.1234D50**  
Common Purchase  
Boiling Flask



**Thomas No. 1160X05**  
Glass Beaker  
Heavy Duty



**Thomas No.1139C58**  
Short Path Distillation Kit

## J.G. Finneran Pre-Assembled R.A.M.™ Vials with 9mm Caps

Components packaged in a tray that fits into bench drawer for easy access. Packaging keeps products visible & particle free. Pre-assembled. Packs come ready-to-use.



Thomas No.	Description	Case
<b>1200L84</b>	Clear 9mm Thread R.A.M.™ Vial, 12 x 32mm, 0.040" PTFE/Butyl rubber septa, Smooth black cap	100
<b>1200L85</b>	Amber 9mm Thread R.A.M.™ Vial, 12 x 32mm, 0.040" PTFE/Butyl rubber septa, Smooth black cap	100
<b>1200L90</b>	Clear 9mm Thread R.A.M.™ Vial, 12 x 32mm, 0.040" PTFE/Butyl rubber septa, Ribbed black cap	100
<b>1200L91</b>	Amber 9mm Thread R.A.M.™ Vial, 12 x 32mm, 0.040" PTFE/Butyl Rubber Septa, Ribbed Black Cap	100

## Chemglass Life Sciences Distilling Heads

Simple distillation head with a condenser sealed to the adapter at a 75° angle. The top outer joint on the 14/20 size can be converted to a 10/18 thermometer joint by using a CG-1016-27 bushing adapter.



Thomas No.	Description	Each
<b>1146X94</b>	Distilling Head, 14/20 joint, 110mm condenser length	1
<b>1146X95</b>	Distilling Head, 24/40 joint, 250mm condenser length	1

## labForce® Drying Rack

- Features channels designed for more configuration and to protect against breakage
- Drying Basket to keep small items and slotted to hold pipettes safe while drying
- SureGrip Hook with Patent-pending design to 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
- Rack made of durable polystyrene
- Can hold up to 77 lbs.
- Overall Dimensions 17.4" x 26" x 5.5" (44.1 x 66 x 13.9 cm)

### Includes:

- 72 Pegs: 36 small (black), 36 large (red)
- 2 Drying baskets
- Drainage tubing
- Mounting guide & hardware
- Replacement baskets for the labForce Drying Rack Set
- 5 long and 5 short replacement pegs for the labForce Drying Rack Set
- Replacement draining set for the labForce Drying Rack Set

Thomas No.	Description	Each	Case
<b>21A00D417</b>	labForce Drying Rack Set, Wall/Bench Mount	1	2

**Agilent Technologies****Cannabinoid Potency Standards**

Package Type: Ampule

Package Size: 1 ml

Quantity: 1/Each

Thomas No.	Description
<b>CHM01Q049</b>	Cannabidiol (CBD) Standard in Methanol
<b>CHM01Q050</b>	Cannabinol (CBN) Standard in Methanol
<b>CHM01Q051</b>	Cannabigerol (CBG) Standard in Methanol
<b>CHM01Q052</b>	Cannabichromene (CBC) Standard in Methanol
<b>CHM01Q053</b>	Cannabidiolic Acid (CBDA) Standard in Acetonitrile
<b>CHM01Q054</b>	delta9-Tetrahydrocannabinol (delta9-THC) Standard in Methanol
<b>CHM01Q055</b>	delta8-Tetrahydrocannabinol (delta8-THC) Standard in Methanol
<b>CHM01Q056</b>	delta9-Tetrahydrocannabinolic acid (THCA) Standard in Acetonitrile
<b>CHM01Q057</b>	Tetrahydrocannabivarin (THCV) Standard in methanol

**SPEX CertiPrep****21 Component Terpene Mix in Methanol**

SPEX CertiPrep offers ISO/IEC 17025 and ISO Guide 34 Certified Reference Materials (CRMs) for all of the common contaminants such as pesticide residues, residual solvents and heavy metals, as well as qualitative analysis CRMs, such as terpenes.

Quantity: 1/Each

Thomas No.	Description
<b>C831D61</b>	21 Component Terpene Mix, 100µg/ml, 1ml in Methanol
<b>C831D62</b>	21 Component Terpene Mix, 100µg/ml, 1ml in Methanol

See [ThomasSci.com](http://ThomasSci.com) for component make-up**PHARMCO by Greenfield Global****Ethyl Alcohol, 200 Proof, ACS-USP Grade, Undenatured**

Package Type: Poly Drum

Package Size: 55 gal.

Quantity: 1/Each

Thomas No.	Description
<b>C838Q24</b>	Ethyl Alcohol, 200 Proof, ACS-USP Grade

**PHARMCO by Greenfield Global****Ethyl Alcohol, 200 Proof, ACS-USP Grade Denatured w/n-Heptane**

Package Type: Poly Drum

Package Size: 55 gal.

Quantity: 1/Each

Thomas No.	Description
<b>12312A1200DM55</b>	Ethyl Alcohol, 200 Proof, ACS-USP Grade

**PHARMCO by Greenfield Global****Pentane, -n, CP Grade**

Package Type: Metal Pail w/Riekie Spout

Package Size: 5 gal.

Quantity: 1/Each

Thomas No.	Description
<b>364000REAPL05M</b>	Pentane, -n, CP Grade

**GoatThroat****Safety Pumps for Chemicals & Food Grade Liquids**

GoatThroat® Pumps work by pressurizing a container to dispense liquids with one touch, as easily as using a faucet. A few strokes of the piston can pressurize any container from 2-gallon jugs to 55-gallon drums.

In standard kits, one drum seal is provided with each pump, to fit and pressurize any common container size from 2-gallon jugs to 55-gallon drums.

**Birch Biotech****Pristine® Acetonitrile, HPLC Grade**

Package Type: Amber Glass Bottle

Package Size: 4 L

Quantity: 4/Case

Thomas No.	Description
<b>C788T63</b>	HPLC Acetonitrile

**Honeywell Burdick & Jackson****Methanol, LC-MS**

Package Type: Glass Bottle

Thomas No.	Description	Pkg. Size	Case
<b>C001S54</b>	Methanol, LC-MS	2.5 L	4
<b>C001S53</b>	Methanol, LC-MS	1 L	6
<b>C941H10</b>	Methanol, LC-MS	4 L	4

**Birch Biotech****Pristine® Water, HPLC Grade**

Package Type: Amber Glass Bottle

Package Size: 4 L

Quantity: 1/Case

Thomas No.	Description
<b>C788T61</b>	Pristine Water, HPLC Grade

**MilliporeSigma****Acetone, for HPLC, >=99.8%**

Package Size: 1 L

Quantity: 1/Each

Thomas No.	Description
<b>C990Q21</b>	Riedel-de Haen Acetone CHROMASOLV®

**Birch Biotech****Pristine® Methanol, HPLC Grade**

Package Type: Amber Glass Bottle

Package Size: 4 L

Quantity: 4/Case

Thomas No.	Description
<b>C788T62</b>	Pristine Methanol, HPLC Grade

**MilliporeSigma****2-Propanol, for HPLC, 99.9%**

Package Size: 4 L

Quantity: 1/Each

Thomas No.	Description
<b>C990Q73</b>	2-Propanol, CHROMASOLV®

**– Bulk Quantity & Discounts Provided –**

Other sizes are available.

Made in the USA, GoatThroat® Pumps are available in four models, to handle nearly any liquid or chemical.

Thomas No.	Description	Each
<b>1182Q37</b>	GoatThroat Nitrile Pump for barrels and pails	1
<b>1182Q38</b>	GoatThroat EPDM Pump for barrels and pails	1
<b>1182Q39</b>	GoatThroat Santoprene Pump for barrels and pails	1
<b>1182Q40</b>	GoatThroat Viton Pump for barrels and pails	1

# Product Identification, Ready-made Labels or Do-It-Yourself Solutions



To identify, trace or protect products and components, Brady offers reliable labels that resist extreme temperatures, fire, oil, chemicals, solvents, abrasion and weathering. They are ideal for asset tracking, component/equipment identification, rating plates, barcoding or printed seed-to-sale identification.



## WorkHorse Series

- Engineered for the harshest environments
- Survives chemicals, abrasion and temperatures
- Broad range of applications

### Applications:

- Production
- Quality and research
- Labs



## Defender Series

- Irreversible, visible evidence of tampering
- Protects warranty fraud, product tampering or asset theft
- Chemical, temperature and abrasion resistance

### Applications:

- Packaging and bottling
- Raw material storage and warehousing



## ToughWash Series

- Easy to clean
- Does not crumble
- Metal detectable version available

### Applications:

- Production
- Maintenance
- Quality and research labs



## ToughBond Series

- Up to six adhesion values
- For rough or oil / grease covered surfaces
- No extensive surface preparation needed

### Applications:

- Maintenance
- Work flow



## CleanLift Series

- Removes without scraping or surface damage
- Excellent solvent and heat resistance
- Diverse range of applications

### Applications:

- Work flow
- Packaging and bottling
- Quality and research labs



## VisAlert Series

- Immediate visual indication of water or heat exposure
- Continually monitor product, components or equipment
- Various ranges and designs

### Applications:

- Quality and research labs



**Brady offers a complete line of portable and desktop printers designed for fast and efficient label making.**

**Contact your Thomas Scientific Sales Representative for more information.**





## Thomas Inventory Management Solutions



### Vendor Managed Inventory

Saving time & reducing total costs through precise, cost-efficient lab operations & supply chain solutions. Lab inventory management has never been easier.

#### Benefits of VMI

- Improves the customer experience by having the right products on hand
- Reduce stockouts and downtime without overstocking or carrying excess safety stock
- Increases inventory turns and reduces carrying costs of inventory
- Reduces purchasing administration costs
- Improves space utilization and reduces inventory storage space
- Increases end users and manufacturing productivity
- Increases inventory control and accuracy
- Lower overall inventory management costs
- Seamless deliveries
- Enhanced inventory visibility through our cloud mobile inventory management solution

### Why Thomas Scientific?

**Serving the scientific community for over 100 years, we put our customers first!**

We have partnered with hundreds of customers to provide best-in-class vendor managed inventory programs with you in mind. We have a proven track record for customer inventory management freeing you up to focus on your business growth.

**Let us be your Integrated Partner!**

Book your FREE consultation, visit [ThomasSci.com/TIMS](http://ThomasSci.com/TIMS)



## Laboratory Furniture



#### Products

- Flexible & Modular Lab Furniture Systems
- Pre-plumbed & Wired Workstations
- Chemical Fume Hoods
- Shelving Systems
- Tables/Tabling Systems
- Healthcare
- Stainless Steel Product Line
- Work Surfaces

**Thomas Scientific**

## The Complete SOLUTION

Thomas Scientific is a Direct Accounts Product & Service Provider for ICI Scientific & INSTOCK Labs. A complete source for lab furniture systems, fume hoods, painted metal casework, wood casework, stainless steel casework, work surfaces, fixtures, tables, & tabling systems.

#### Services

- Lab Layout & Design
- Lab Programming
- CAD Drawings
- Project Specification
- Factory Trained Installation

To view **Thomas Scientific's Flipbook** visit:  
[ThomasSci.laboutfit.com](http://ThomasSci.laboutfit.com)

## Cannabinoid Potency Standards

When you're analyzing cannabis and hemp products, success depends upon the quality of your cannabinoid reference materials. Agilent potency testing standards are rigorously tested and manufactured using ISO 17025 and 17034 accreditations.

They enable you to:

Save time and money by calibrating with confidence. Our time-saving cannabinoid standard mixes are available at the highest concentrations legally allowed by the US DEA. With higher concentration potency reference materials, you can expand your testing quantitation limits.

Create your own mixes or modify existing mixes with our comprehensive portfolio of individual potency standards. We manufacture all our potency standards with the highest quality raw materials.

All our cannabinoid reference materials are seamlessly integrated with Agilent's Potency Workflow Solutions for Cannabis and Hemp Products. Whether you are analyzing THC, CBD or CBN, Agilent has the products you need when testing for cannabis or hemp potency.

Visit [ThomasSci.com/Agilent](https://www.thomasci.com/Agilent)

## Raptor™ ARC-18 LC Columns

Restek chemists became the first to combine the speed of superficially porous particles (also known as SPP or "core-shell" particles) with the resolution of highly selective USLC technology. This new breed of chromatographic column allows you to more easily achieve peak separation and faster analysis times without expensive UHPLC instrumentation.



- Ideal for high-throughput LC-MS/MS applications with minimal sample preparation
- Well-balanced retention profile for better detection and integration of large, multiclass analyte lists
- Sterically protected to endure low-pH mobile phases without sacrificing retention or peak quality
- Part of Restek's Raptor LC column line featuring 1.8, 2.7, and 5µm SPP core-shell silica



Visit [ThomasSci.com](https://www.thomasci.com)  
Search 1160V48



## Focus Nano-Flow HPLC and Column Cartridges



Bring the Lab to the Sample® with the Axcend Focus LC™, a new, portable high-performance liquid chromatograph (HPLC). The Axcend Focus LC is a shoebox-sized, nano-flow capillary solution that delivers greater sensitivity than other UV-Absorption-based HPLC systems, while using 1/500th the solvents and producing 1/500th the waste. Its size and weight allow for convenient use anywhere: from the lab bench to inside a fume hood and from in-the-field analysis to right on a production line.

Visit [ThomasSci.com](https://www.thomasci.com) Search 1138W77



**Aries FilterWorks****HPL-RO Reverse Osmosis System**

The HPL-RO system uses feed water pressure to purify the water through a reverse osmosis membrane. The 4-stage filtration process reduces dissolved salts and organics from the water. The permeate water is conveniently stored in storage tank while the concentrated salts are sent to drain.



Thomas No.	Description	Each
<b>1157F79</b>	HPL-RO Reverse Osmosis System, includes membrane and pretreatment filters	1
<b>1157F66</b>	HPL-RO Pretreatment Cartridge Kit, includes 5.0 micron prefilter, GAC, and 1.0 micron post filter	1
<b>1157F67</b>	HPL-RO membrane replacement	1

**Aries FilterWorks****Phoenix Ultra High-Purity Lab Water System**

The Phoenix system is pre-configured into four application specific models:

- Phoenix Academy (base model): Basic Chemistry, Academic, IC, Buffers
- Phoenix Citation (with 185/254 nm UV): HPLC, GC-MS, Trace Organics
- Phoenix Biochem (with UF): Life Science, Cell Culture, Microbiology
- Phoenix Genome (with UV/UF): DNA Sequencing, PCR, Electrophoresis



Thomas No.	Description	Each
<b>1157G00</b>	Lab Water System, Academy (base model), 120V/60Hz	1
<b>1157G01</b>	Lab Water System, Biochem (with UF), 120V/60Hz	1
<b>1157G02</b>	Lab Water System, Citation (with UV), 120V/60Hz	1
<b>1157G03</b>	Lab Water System, Genome (with UV/UF), 120V/60Hz	1
<b>1157F96</b>	Phoenix direct feed port (installed)	1
<b>1157F97</b>	Phoenix recirculating dispensing gun (installed)	1
<b>1157F99</b>	Phoenix wall mount bracket (installed)	1
<b>1157G04</b>	Phoenix polishing ultrapure cartridge	1
<b>1157G05</b>	Phoenix polishing ultrapure low organics cartridge	1
<b>1157G06</b>	Phoenix dual conditioning cartridge (RO feed)	1
<b>1157G07</b>	Phoenix dual conditioning cartridge (SDI/TAP feed)	1
<b>1157F95</b>	Phoenix ultrafilter, 3/8" quick disconnect fitting	1
<b>1157F94</b>	0.2 micron endotoxin removal capsule filter, 1/4" MNPT x 1/4" hose barb	1
<b>1157F77</b>	Phoenix UV bulb, 254/185nm TOC destruct	1
<b>1157F78</b>	Sanitization Kit (includes cartridges, test strips, and gloves)	1

**Across International****Gear-Drive 0.4-Liter Planetary Ball Mills**

- High uniformity and excellent repeatability
- Fast rotational speed, high efficiency and fine granularity
- Four samples with different sizes and materials in one experiment
- Leak-proof jars for wet grinding
- Large range of materials available for grinding media
- Gear-drive offers an effective solutions to problems caused by belt driving, such as belt creep and belt abrasion
- Low center of gravity, good rigidity, compact structure, low noise, safe and reliable operation
- Adjustable height



Thomas No.	Description	Each
<b>1157J86</b>	4 x 100ml Gear-drive 0.4L Planetary Ball Mill, 110V	1
<b>1157J87</b>	4 x 100ml Gear-Drive 0.4L Planetary Ball Mill, 220V	1

**Aries FilterWorks****Aries Type I High Purity Water System**

The Aries high purity water system provides 4.0 liters per minute\* of 18.2 megohm water. A quiet recirculation pump ensures constant water purity. Standard equipment includes a built-in pressure regulator and a 0.2 micron final filter to remove bacteria. Water quality meets or exceeds ASTM Type I water specifications.



Thomas No.	Description	Each
<b>1157F71</b>	Lab Water System, Countertop model, with 0.2 micron final filter	1
<b>1157F72</b>	Lab Water System with UV, Countertop model, with 0.2 micron final filter	1
<b>1157F73</b>	Lab Water System Countertop model, with 0.05 micron ultrafilter	1
<b>1157F74</b>	Lab Water System with UV, Countertop model, 0.05 micron final filter	1
<b>1157F75</b>	Replacement bulb for Aries Lab Water System	1
<b>1157F76</b>	Aries sanitization kit	1
<b>1157F68</b>	Aries Direct Feed, Secondary port (installed)	1
<b>1157F69</b>	Aries recirculating dispensing gun (installed)	1
<b>1157F70</b>	Aries wall mount bracket	1
<b>1157F93</b>	Aries ultrafilter replacement, 0.05 micron	1
<b>1157F92</b>	0.2 micron capsule filter - 1/4" MNPT x 1/4" hose barb	1
<b>1157G32</b>	VPK series cartridge replacement kit - RO/DI feed, for Aries systems	1

**Velp****OHS Series Advance Overhead Stirrers**

- Extremely resistant sealed case
- IP 54 Protection class is a guarantee of durability also when working in aggressive environment
- Full protection in case of overload, over temperature and over current
- Lock key to prevent unintentional modification of the settings
- Easy knob to navigate the menu and to activate the stirring



Thomas No.	Description	Each
<b>1145N80</b>	OHS 60 Advance Overhead Mixer, 115V/60Hz	1
<b>1145N81</b>	OHS 60 Advance Overhead Mixer, 230V/50-60Hz	1
<b>1145N82</b>	HS 100 Advance Overhead Mixer, 115V/60Hz	1
<b>1145N83</b>	OHS 100 Advance Overhead Mixer, 230V/50-60Hz	1
<b>1145N84</b>	OHS 200 Advance Overhead Mixer, 115V/60Hz	1
<b>1145N85</b>	OHS 200 Advance Overhead Mixer, 230V/50-60H	1

**Benchmark Scientific****BeadBlaster™ 96 Ball Mill Homogenizer**

The BeadBlaster™ 96 is an extremely versatile bead mill homogenizer that has applications in a variety of areas, including biological research, environmental testing, and industrial settings. Adapters are available for microplates, microtubes, and 50ml tubes. Grinding jars and balls in a variety of materials are available.



Thomas No.	Description	Pack	Each
<b>21A00H426</b>	BeadBlaster 96 Ball Mill Homogenizer, 120V US Plug	—	1
<b>21A00H427</b>	BeadBlaster 96 Ball Mill Homogenizer, 230V EU Plug	—	1
<b>21A00K864</b>	Adapter for 96 Well Plate, Pair, for BeadBlaster 96	2	
<b>21A00K865</b>	Tube Rack, 20 x 2ml, Pair, for BeadBlaster 96. Requires IPD9600-96	2	



## Across International

**Ai SolventVap  
Rotary Evaporators**

- Solvent-resistant PTFE and Viton gaskets ensuring long time operation
- Specialized motor with extremely compact, intermeshed worm and worm gear provides precise driving for very quiet, vibration-free operation
- Downward-condensing vacuum connection design ensures safe vacuum operation
- Modular design (individual rotary and water bath modules) for easy future upgrades
- Easy multi-level manual lift with secure lock for the evaporating flask
- Easy, straight-forward visual operation with digital speed and temperature display
- PID temperature controller ensures accurate temperature control is maintained



Thomas No.	Description	Each
<b>1160W56</b>	Ai SolventVap 0.5-Gallon/2 L Rotary Evaporator, 110V 60H	1
<b>1160W57</b>	Ai SolventVap 5 L Evaporator, 110V	1
<b>1160W58</b>	Ai SolventVap 5 L Evaporator, 220V	1
<b>1160W59</b>	Ai SolventVap 5 L Evaporator w/cold trap condenser & power lift, 110V	1
<b>1160W60</b>	Ai SolventVap 5 L Evaporator w/cold trap condenser & power lift, 220V	1
<b>1160W61</b>	Ai SolventVap 5.3-Gallon/10 L Rotary Evaporator w/motorized lift, 220V	1
<b>1160W62</b>	Ai SolventVap 5.3-Gallon/20 L Rotary Evaporator w/motorized lift, 220V	1
<b>1160W63</b>	Ai SolventVap 13-Gallon/50 L Rotary Evaporator motorized & manual lift, 220V	1

## BrandTech®

**VACUUBRAND® RZ2.5  
Vacuum Pump**

The RZ2.5 is part of the VACUUBRAND® XS series of rotary vane vacuum pumps. These pumps have been designed from the ground up for best performance in laboratory applications. The RZ2.5 is an excellent choice for small freeze dryers, small centrifugal concentrators or other low-temperature evaporations of high boiling point solvents, molecular distillations, and other applications where diaphragm pumps cannot provide sufficient vacuum.



Thomas No.	Description	Each
<b>1194T34</b>	VACUUBRAND RZ2.5 Two-Stage Rotary Vane Vacuum Pump, 120V/230V, US Plug	1

## Branson

**Bransonic®  
Ultrasonic Baths**

- Control panel: Easily accessible panel located above and behind the tank for safety and reliability, to prevent spills on the control panel, back lit on the digital models
- Built-in drains on the 1.5 gallon units and larger, .5 and .75 gallon have a convenient built-in pour drain
- Sweep frequency
- 40KHz industrial transducers



Thomas No.	Description	Each
<b>1207K43</b>	M Series (Mechanical timer), Model 3800, 120 V, 1.5 gal.	1
<b>1207K45</b>	CPXH Series (Digital timer with heat), Model 3800, 120 V, 1.5 gal.	1

## Polyscience

**Premium Digital General  
Purpose Water Baths**

- Easy-to-read, color, touch screen with programmable presets and large buttons for easy navigation
- Five language settings: Chinese, English, French, German, Spanish
- Rear-mounted drain on 10 L, 20 L, and 18 L models
- High limit, Over-temperature/Low liquid alarms; Redundant safety thermostat
- Eco mode for heat-off use
- ETL (60Hz), CE (50Hz), and RoHS2 compliant



Thomas No.	Description	Each
<b>1145H96</b>	Premium Digital Water Bath, 2L, 120V/60Hz	1
<b>1145H97</b>	Premium Digital Water Bath, 2L, 240V/50Hz (European plug)	1
<b>1145H98</b>	Premium Digital Water Bath, 5L, 120V/60Hz	1
<b>1145H99</b>	Premium Digital Water Bath, 5L, 240V/50Hz	1
<b>1145J00</b>	Premium Digital Water Bath, 10L, 120V/60Hz	1
<b>1145J01</b>	Premium Digital Water Bath, 10L, 240V/50Hz	1
<b>1145J02</b>	Premium Digital Water Bath, 20L, 120V/60Hz	1
<b>1145J03</b>	Premium Digital Water Bath, 20L, 120V/60Hz	1
<b>1145J04</b>	Premium Digital Water Bath, 28L, 120V/60Hz	1
<b>1145J05</b>	Premium Digital Water Bath, 28L, 240V/50Hz	1

## labForce®

**TS-L.N Series Standard Laboratory  
Balances with NTEP Certification**

- Precise measurement and repeatability
- Easy-to-read information arrangement
- USB and RS-232 interface
- User-friendly draft shield



Thomas No.	Description	Each
<b>1160U06</b>	Analytical Balance NTEP, 220g x 0.1mg, 110-240V	1
<b>1160U09</b>	Precision Balance NTEP, 360g x 1mg, 110-240V	1
<b>1160U10</b>	Precision Balance NTEP, 1000g x 1mg, 110-240V	1
<b>1160U12</b>	Precision Balance NTEP, 3500g x 0.01g, 110-240V	1
<b>1160U13</b>	Precision Balance NTEP, 4500g x 0.01g, 110-240V	1

## Adam Equipment

**Highland® Approved  
Portable Precision Balances**

- Class II NTEP approved
- Balances stack efficiently and safely to save space (120mm pan size only)
- Color-coded keys facilitate quick recognition of the most frequently used buttons
- Dual tare keys operate with either the left or right hand
- Large, grade 304 stainless steel pan allows swift cleaning
- Hook included for weighing below the balance



Thomas No.	Description	Each
<b>1155M55</b>	Precision Balance, 100g Capacity; d=0.001g e=0.01g	1
<b>1155M56</b>	Precision Balance, 300g Capacity; d=0.05g e=0.05g	1
<b>1155M57</b>	Precision Balance, 600g Capacity; d=0.01g e=0.1g	1
<b>1155M58</b>	Precision Balance, 1200g Capacity; d=0.01g e=0.1g	1
<b>1155M59</b>	Precision Balance, 3000g Capacity; d=0.5g e=0.5g	1
<b>1155M60</b>	Precision Balance, 5000g Capacity; d=0.5g e=0.5g	1



**BUCHI****Rotavapor® R-300  
Rotary Evaporators**

- Comfortable flask and vapor duct removal thanks to easy-to-use Combi-Clip
- User-friendly operation due to ergonomic electric or manual lift
- Wide range of beneficial accessories available: seven different glass assemblies, safety shield, lid for heating bath, automatic distillation and automatic foam detection
- Easy plug & play extension to a fully integrated system including a central interface, vacuum pump and recirculating chiller according to your needs



Thomas No.	Description	Each
<b>1184F58</b>	R-300 System B-305, SJ24/40, V, P+G, I-300P, V-300, F-305, 110V	1

**Labconco****CentriVac Cold Trap**

The CentriVac Cold Trap collects evaporated liquid from a CentriVac Concentrator, protecting an accessory vacuum pump from the corrosive effects of vapors and fumes emitted from samples.



Thomas No.	Description	Each
<b>4366N70</b>	Centrivap Ultra-Low Cold Trap, -85° C, 115V, 60Hz	1
<b>4366N72</b>	Centrivap Cold Trap, 115V, 60Hz	1

**Erlab****Captair Smart Ductless Fume Hoods**

Hoods are designed with advanced carbon filtration, Flex Technology and a simple, innovative way to keep you safe. With Erlab's unique validation process, safety is guaranteed and chemical exposure is eliminated by the configurable filtering system above the enclosure. Installation is simple and no ductwork is necessary allowing for relocation. With the push of one button, it will set you free of limitations in order to focus on what is most important: your work.



Thomas No.	Description	Each
<b>1179U04</b>	Fume Hood, 80-220V/50-60Hz	1
<b>1179U05</b>	Fume Hood, 80-220V/50-60Hz	1
<b>1179U06</b>	Fume Hood, 80-220V/50-60Hz	1
<b>1179U08</b>	Fume Hood, 80-220V/50-60Hz	1
<b>1179U09</b>	Fume Hood, 80-220V/50-60Hz	1
<b>1179U10</b>	Fume Hood, 80-220V/50-60Hz	1

**Erlab****Halo Smart Laboratory  
Air Filtration System**

- Healthier air with considerable savings
- Simple to install and use - no need to connect to your HVAC
- Easy access panel for quick filter changes
- BACnet capable
- Network the units to monitor remotely
- Benefit from the exclusive Erlab warranties



Thomas No.	Description	Each
<b>1179U43</b>	Air Filtration System - Chemplus, 80-240V/50-60Hz	1
<b>1179U44</b>	Air Filtration System - VOC, 80-240V/50-60Hz	1
<b>1179U45</b>	VOC Filter for Volatile Organic Compounds	1
<b>1179U46</b>	Chemplus Filter for Solvents & Acids	1

**labForce®****TS-M Series Moisture Analyzers**

- Designed to enable the most complex measurements
- Touchscreen for greater comfort
- Fast and precise measurement
- Diverse drying profiles
- Online process visualization
- Improves drying processes management



Thomas No.	Description	Each
<b>1160U35</b>	Moisture Balance, 50g x 0.1mg/0.0001%, 110V	1
<b>1160U36</b>	Moisture Balance, 50g x 1mg/0.001%, 110V	1
<b>1160U37</b>	Moisture Balance, 210g x 1mg/0.001%, 110V	1

**Sartorius****MA160 Infrared Moisture Analyzer**

- High speed measurements
- Fast and precise method development
- Display of measurement status
- Reliable performance testing
- User-friendly operation
- Effortless cleaning



Thomas No.	Description	Each
<b>1190C00</b>	MA160 Infrared Moisture Analyzer, 200g/1mg, Fast heating 600W, 100 method + assistant, Performance test	1

**Benchmark****Hermle Z446 Series  
High Capacity Centrifuges**

- High capacity swing out rotor, 68 x 15ml or 28 x 50ml
- Ideal for tissue culture applications
- Advanced programming with automatic rotor recognition
- Available with refrigeration
- Rotor exchange is simple & requires less than 1 minute



Thomas No.	Description	Each
<b>1189F85</b>	Hermle Z446 Universal Centrifuge, 120V	1
<b>1189F86</b>	Hermle Z446 Universal Refrigerated Centrifuge, 120V	1

**Hettich Instruments****Roto Silenta 630 RS  
Floorstanding Centrifuge**

- Available with internal or external cooling for GMP and clean-room environments
- Non-wind shielded rotor for best sample temperature control
- Quiet and smooth operation with up to a 120 gram imbalance
- Control panel lock with key
- Bidirectional serial interface (optional)
- Bar code reader (optional)
- Hettinfo software package (optional)
- Bidirectional serial interface (optional)



Thomas No.	Description	Each
<b>1211Q66</b>	Roto Silents 630 RS Floor Standing Centrifuge, 6 Places, 2000 mL, 90° Swing-out, -20°C to +40°C 5 Year Warranty, 208V 3-phase	1

**Labconco****Protector XL Floor-Mounted Fume Hoods**

Protector XL Floor-Mounted (Walk-In) Laboratory Hoods have panel liners that may be constructed of a variety of corrosion-resistant materials and supplied in three depths to meet individual installation and application requirements. They are suitable for general chemistry applications and accommodate oversized apparatus. Widths of up to 16 feet are offered.



- By-pass airflow design
- Dry powder, glacier white epoxy-coated steel exterior
- Chemical-resistant molded composite panel liner and adjustable upper and lower baffles with flame spread less than 25 per ASTM E-84
- Removable front and side panels and exterior and interior service access panels for access to plumbing and electrical wiring
- Pre-wired instant-start T8 fluorescent lighting, light and blower switches for 115 volt, 60 Hz operation
- Tempered safety glass vertical-rising sashes framed with PVC (4', 5' and 6' models) or epoxy-coated aluminum (8' models)
- Tempered safety glass horizontal-sliding sashes with epoxy-coated aluminum frames and sash tracks (8', 10', 12', 16' models)

Thomas No.	Description	Each
<b>1194T14</b>	6' XL Floor-Mounted Hood w/ Vertical Sash, 43.7" Ext Depth, 115V, 2 services and 1 GFCI Electrical Duplex	1
<b>1194T17</b>	8' XL Floor-Mounted Hood w/ Vertical Sash, 43.7" Ext Depth, 115V, 2 services and 2 GFCI Electrical Duplexes	1
<b>1194T23</b>	10' XL Floor-Mounted Hood w/ Horizontal Sash, 43.7" Ext Depth, 115V, 2 services and 2 GFCI Electrical Duplexes	1

**labForce®****Digital Hotplate Magnetic Stirrer**

- Larger top plate (7 x 7")
- Higher temperature range (up to 400°C)
- Larger stir capacity (up to 5L)
- More powerful and reliable heating element
- Molded aluminum base/housing



Thomas No.	Description	Each
<b>1140K86</b>	Digital Hotplate Magnetic Stirrer, 115V	1
<b>1140K87</b>	Digital Hotplate Magnetic Stirrer, 230V	1
<b>1140K88</b>	Digital Hotplate, 115V	1
<b>1140K89</b>	Digital Hotplate, 230V	1
<b>1140K90</b>	Magnetic Stirrer, 115V	1
<b>1140K91</b>	Magnetic Stirrer, 230V	1

**Boekel****Gravity Convection Ovens**

- Temperature is regulated by a bi-metallic thermostat
- Pilot light indicates when elements are on
- Ventilating holes are provided below the heater permitting ambient air to enter at bottom; air passes through heater and exhausts from two vents at the top
- Chamber temperature is indicated by thermometer passed through thermometer holder at top of oven
- Double-walled, aluminum, enameled steel exterior and glass wool insulation; mounted on rubber feet



Thomas No.	Description	Each
<b>7187C10</b>	Drying Oven, 0.6 cu. ft., 115V, 660W	1
<b>7187C17</b>	Drying Oven, 1.6 cu. ft., 115V, 660W	1
<b>7187C20</b>	Drying Oven, 2.7 cu. ft., 115V, 1500W	1

**Across International****AccuTemp Vacuum Drying Ovens**

With our unique internal shelf heating technology, each shelf in these ovens has its own heater, in-shelf temperature sensor and temperature controller, together with great thermal-conducted aluminum and our low proportional controller technologies, the result is perfect uniformity, accurate temperature, super-fast heating rates, minimum heat loss/exterior temperature and very low power consumption.



- Easy-to-clean stainless steel interior for great durability and ease of maintenance
- Built-in check valve prevents vacuum oil backflow
- All steel construction for excellent durability

Thomas No.	Description	Each
<b>1160W40</b>	0.9 CF Vacuum Oven, 5 Sided Heat, SST Tubing/Valves, 110V	1
<b>1160W42</b>	1.9 CF Vacuum Oven, 5 Sided Heat, SST Tubing/Valves, 110V	1
<b>1160W43</b>	1.9 CF Vacuum Oven, 5 Sided Heat, SST Tubing/Valves, 220V	1
<b>1160W44</b>	3.2 CF 480°F Vacuum Oven, All SST Tubing & Valves, 110V	1
<b>1160W45</b>	3.2 CF 480°F Vacuum Oven, All SST Tubing & Valves, 220V	1
<b>1160W47</b>	7.5 CF 480°F Vacuum Oven, 220V	1
<b>1160W48</b>	16 CF Vacuum Oven, 110V	1
<b>1160W49</b>	16 CF Vacuum Oven, 220V	1

**Cascade Sciences LLC****Vacuum Ovens**

Model CVO-2 offers incredible temperature stability for vacuum drying and purging of pharmaceuticals, botanicals, slurries, or any temperature sensitive material. This vacuum oven liberates solvents, water, and other unwanted compounds in small batch, R&D and lab environments. NRTL certified.



Thomas No.	Description	Each
<b>20A00G194</b>	CVO-2 Vacuum Purge Oven - Digital Display	1
<b>20A00G195</b>	CVO-5 Vacuum Purge Oven - Touch Screen	1
<b>20A00G196</b>	CVO-10 Vacuum Purge Oven - Touch Screen with Stand	1
<b>20A00G197</b>	CVO-2 High Temp Vacuum Purge Oven - Watlow Controller	1

**Binder****Vacuum Drying Ovens VDL Series**

- Fast, gentle drying
- Optimum heat transfer through large thermal conducting plates
- Safe working thanks to ATEX-compliant safety concept
- Also option of modular complete system with vacuum pump and pump chamber



Thomas No.	Description	Each
<b>21A00H314</b>	Vacuum Drying Chamber for Non-Flammable Solvents, VDL023UL, 0.8 Cu. Ft., 120 V 1 ph 60 Hz	1
<b>21A00H315</b>	Vacuum Drying Chamber for Non-Flammable Solvents, VDL056UL, 1.9 Cu. Ft., 120 V 1 ph 60 Hz	1
<b>21A00H316</b>	Vacuum Drying Chamber for Non-Flammable Solvents, VDL115UL, 4.1 Cu. Ft., 120 V 1 ph 60 Hz	1



## BrandTech®

### Transferpette Electronic Single-Channel Pipettes with Charger

The BRAND Transferpette® electronic is an ergonomic, intuitive electronic pipette for use in most laboratory applications. It is available in five volume ranges for reliable dispensing of volumes from 0.5µl to 5ml.

The soft-touch pipetting key, adjustable finger-rest, light weight and innovative tip cone minimize static strain and operational forces, reducing the risk of repetitive stress injuries (RSI). This is the first electronic pipette to be awarded the "Ergonomics Approved" and "User-Friendly" certification from the prestigious TÜV testing service, an OSHA-accredited testing laboratory.



Thomas No.	Description	Each
1224B82	Transferpette electronic, 0.5-10ul, w/AC charger, 110V, US plug	1
7729C01	Transferpette electronic, 2-20ul, w/AC charger, 110V, US plug	1
7729C04	Transferpette electronic, 10-200ul, w/AC charger, 110V, US plug	1
7729C07	Transferpette electronic, 50-1000ul, w/AC charger, 110V, US plug	1
1224B83	Transferpette electronic, 250-5000ul, w/AC charger, 110V, US plug	1

## Haier

### -86°C ULT Freezers

- Microprocessor-controlled system designed for controllable range of -40°C to -86°C for cabinet space with 1°C increment
- Large LED display for cabinet temperature, set temperature, ambient temperature, and input voltage
- Settable high temperature and low temperature alarms
- Automatic clean-filter alarm and sensor error alert
- Adjustable storage shelf height
- Can be connected with network, and remote alarm systems



Thomas No.	Description	Each
1144K47	Ultralow -86C Freezer, Energy Star 338L (12 cu. ft.), 115V/60Hz	1
1144K49	-86°C Upright ULT Freezer, Energy Saving, 578L/20.4 cu. ft., 115 V, 60 hz	1
1144K51	-86°C Upright ULT Freezer, Energy Saving, 728L/25.7 cu. ft., 115V/60Hz	1
1144K52	Ultralow -86C Freezer, Energy Star 728L (26 cu. ft.) , 220V/60Hz	1
1144K53	Ultralow -86C Freezer, Energy Star 828L (29 cu. ft.), 115V/60Hz	1

## Polyscience

### LS Series Benchtop Chillers

- Optimized for high performance at low temperatures
- Capable of cooling multiple rotary evaporators
- WhisperCool™ Environmental Control System
- Large, easy to read LED display
- Space-saving design
- Cooling at ambient temperatures as high as 35°C
- Low flow shutoff and alarm, high and low temperature alarms
- Simple setup, operation, and maintenance
- Fluid level indicator



Thomas No.	Description	Each
1204K12	LS Benchtop Chiller, M1 Pump, 120V/60Hz	1
1204K14	LS Benchtop Chiller, MX Pump, 120V/60Hz	1
1204K16	LS Benchtop Chiller, TX Pump, 120V/60Hz	1

## American BioTech Supply

### Premier Flammable Storage Freezers

The Standard Flammable Storage Freezers meet NFPA and OSHA guidelines 45 and 70 for the refrigerated storage of flammable (volatile) materials in general laboratory work areas. Models utilize ATEX and non-sparking components for safety. These units are NOT designed for use in environments where volatile/explosive conditions could potentially exist.



Thomas No.	Description	Each
21A00K348	Standard Flammable Storage Manual Defrost Freezer -25°C, 17 cu. ft.	1

## Intermetro

### Metro Stainless Steel End-Load Wire Tray Rack, 3" Slide Spacing

The Standard Flammable Storage Freezers meet NFPA and OSHA guidelines 45 and 70 for the refrigerated storage of flammable (volatile) materials in general laboratory work areas. Models utilize ATEX and non-sparking components for safety. These units are NOT designed for use in environments where volatile/explosive conditions could potentially exist.

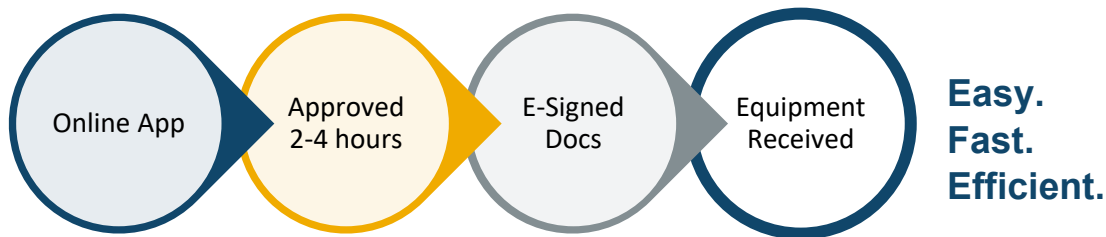


Thomas No.	Description	Each
21A00H063	Metro Stainless Steel End-Load Wire Tray Rack, 3" Slide Spacing	1

## Benefits of Equipment Financing

- **Low monthly payments**
- **Purchasing Power:** Purchase today's equipment with tomorrow's dollars.
- **Free up working capital:** Financing improves cash flow by enabling increased productivity while keeping your funds liquid.
- **Protect your line of credit:** Lease payments have no impact on your bank credit lines so keep this available for other business needs like marketing & additional resources.
- **Section 179 tax code advantages:** This has been a great advantage to businesses for years, but did you know when it's combined with equipment financing, it can save you thousands and increase cash flow?

## Keeping it Simple



## Program Flexibility

**North Star Leasing** offers a wide range of financing programs to meet unique business needs.

- 24-60-month finance terms
- 100% financing – equipment, tax & delivery
- Start-ups & established businesses funded
- Flexible & customized financing programs
- \$1.00 ownership transfer

**What's Easier to Manage?**  
A big outlay of cash or low  
monthly payments?

**ASK ME HOW**

*Since 1979 North Star Leasing has been investing in the growth of smart businesses. By enabling companies to obtain the equipment they need today to succeed tomorrow, we are perpetually investing in people's futures.*

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**Ron Bouchard | Business Development Specialist**

**Partnering with Thomas Scientific to help their customers succeed and prosper**  
*Specializing in providing equipment financing to biomedical/health sciences community*

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(802) 860-3570  
[northstarleasing.com](http://northstarleasing.com)



**XtraClean™****XC6030 Microporous Disposable Coveralls**

XC6030 Coveralls are ideal for use in low particulate clean and controlled environments. Constructed from a lightweight blend of polyethylene and polypropylene into a unique breathable membrane. Fabric is suitable for exposure to blood borne pathogens, some hazardous liquids, and any wet general maintenance applications. Coveralls feature a mandarin collar, zipper front, latex-free elastic trimmed cuffs and serged seam construction.



Thomas No.	Description	Case
<b>20A00J463</b>	XC6030 Disposable Coverall, Elastic wrist & ankles, SM	25
<b>20A00J464</b>	XC6030 Disposable Coverall, Elastic wrist & ankles, MD	25
<b>20A00J465</b>	XC6030 Disposable Coverall, Elastic wrist & ankles, LG	25
<b>20A00J466</b>	XC6030 Disposable Coverall, Elastic wrist & ankles, XL	25
<b>20A00J467</b>	XC6030 Disposable Coverall, Elastic wrist & ankles, 2XL	25
<b>20A00J468</b>	XC6030 Disposable Coverall, Elastic wrist & ankles, 3XL	25
<b>20A00J469</b>	XC6030 Disposable Coverall, Elastic wrist & ankles, 4XL	25
<b>20A00J470</b>	XC6030 Disposable Coverall, Elastic wrist & ankles, 5XL	25

**XtraClean™****XtraGrip™ Premium Cleanroom Shoecovers**

XtraGrip™ Premium shoe covers offer exceptional skid resistance and durability for both dry and wet conditions. Featuring a superior liquid resistant fabric, these seamless bottom shoe covers are low linting and resists delamination. Made of a strong, high tack polyethylene coated material.



Thomas No.	Description	Case
<b>XC4002-S</b>	XtraGrip XC4002 Model, Nonskid, Treated laminated SMS polypro, Seamless bottom, White, Size: Small, 14", 64gm basis weight, 1/each, 100/bag, 2 bag/case	200
<b>XC4002-L</b>	XtraGrip XC4002 Model, Nonskid, Treated laminated SMS polypro, Seamless bottom, White, Size: Large, 16", 64gm basis weight, 1/each, 100/bag, 2 bag/case	200
<b>XC4002-XL</b>	XtraGrip XC4002 Model, Nonskid, Treated laminated SMS polypro, Seamless bottom, White, Size: X-Large, 17.5", 64gm basis weight, 1/each, 100/bag, 2 bag/case	200
<b>XC4002-2XL</b>	XtraGrip XC4002 Model, Nonskid, Treated laminated SMS polypro, Seamless bottom, White, Size: 2X-Large, 19", 64gm basis weight, 1/each, 100/bag, 2 bag/case - (SPECIAL ORDER ITEM)	200

**XtraClean™****XC6000 Protective Sleeves**

- Latex-free elastic trimmed ends
- Anti-static treated
- Lightweight breathable fabric



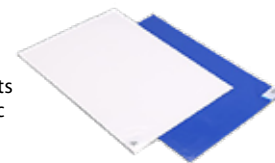
Thomas No.	Description	Case
<b>20A00J454</b>	XC6018 Disposable Sleeves, Microporous, 18"	200

**Halyard Health****PUREZERO HG3 Tacky Nitrile Cleanroom Gloves**

Ideal for cleanroom applications when handling delicate equipment in microelectronics, semiconductors, optics and non-sterile pharmaceutical and medical device manufacturing applications. These gloves are recommended for use in ISO Class 3 or higher cleanroom environments and have triple layer cleanroom compatible packaging (double poly bagged with poly case liner).

**CE-Force****cleanForce Sticky Floor Mats**

Multi-layered clean-film full adhesive layers form mats that effectively capture dirt and dust from foot-traffic and equipment wheels before they enter the controlled environment. Each of the numbered layers of the mat peels off easily to reveal a new clean surface.



- Peel-off sheets eliminate the need for messy cleaning & resealable to make it easy to maintain a clean surface
- Smooth, effective surface is not damaged by shoes, booties and squirt bottles or cart wheels
- Numbered corner tabs for easy tracking of remaining sheets

Thomas No.	Description	Case
<b>1140X99</b>	Sticky Mat, 18" x 36", Blue	4 x 30 Sheets
<b>1140Y00</b>	Sticky Mat, 18" x 36", Gray	4 x 30 Sheets
<b>1140Y01</b>	Sticky Mat, 18" x 36", White	4 x 30 Sheets
<b>1140Y02</b>	Sticky Mat, 18" x 45", Blue	4 x 30 Sheets
<b>1140Y03</b>	Sticky Mat, 18" x 45", Gray	4 x 30 Sheets
<b>1140Y04</b>	Sticky Mat, 18" x 45", White	4 x 30 Sheets
<b>1140Y05</b>	Sticky Mat, 24" x 36", Blue	4 x 30 Sheets
<b>1140Y06</b>	Sticky Mat, 24" x 36", Gray	4 x 30 Sheets
<b>1140Y07</b>	Sticky Mat, 24" x 36", White	4 x 30 Sheets
<b>1140Y08</b>	Sticky Mat, 26" x 45", Blue	4 x 30 Sheets
<b>1140Y09</b>	Sticky Mat, 26" x 45", Gray	4 x 30 Sheets
<b>1140Y10</b>	Sticky Mat, 26" x 45", White	4 x 30 Sheets
<b>1140Y11</b>	Sticky Mat, 36" x 36", Blue	4 x 30 Sheets
<b>1140Y12</b>	Sticky Mat, 36" x 36", Gray	4 x 30 Sheets
<b>1140Y13</b>	Sticky Mat, 36" x 36", White	4 x 30 Sheets
<b>1140Y14</b>	Sticky Mat, 36" x 45", Blue	4 x 30 Sheets
<b>1140Y15</b>	Sticky Mat, 36" x 45", Gray	4 x 30 Sheets
<b>1140Y16</b>	Sticky Mat, 36" x 45", White	4 x 30 Sheets
<b>1140Y17</b>	Sticky Mat, 36" x 60", Blue	4 x 30 Sheets
<b>1140Y18</b>	Sticky Mat, 36" x 60", Gray	4 x 30 Sheets
<b>1140Y19</b>	Sticky Mat, 36" x 60", White	4 x 30 Sheets

**Sempermed****SemperForce® Black Nitrile Gloves**

SemperForce® black nitrile examination gloves by Sempermed are designed for demanding work environments where your safety and comfort are a must. A textured surface promises secure gripping capabilities.



Thomas No.	Description	Box	Case
<b>1186P87</b>	SemperForce Black Nitrile Glove, 4 mil, PF, S	100	1000
<b>1186P88</b>	SemperForce Black Nitrile Glove, 4 mil, PF, M	100	1000
<b>1186P89</b>	SemperForce Black Nitrile Glove, 4 mil, PF, L	100	1000
<b>1186P90</b>	SemperForce Black Nitrile Glove, 4 mil, PF, XL	100	1000
<b>1186P91</b>	SemperForce Black Nitrile Glove, 4 mil, PF, XXL	90	900

Thomas No.	Description	Case
<b>20A00U907</b>	PUREZERO HG3 light blue nitrile gloves, Tacky, XS	1500
<b>20A00U908</b>	PUREZERO HG3 light blue nitrile gloves, Tacky, S	1500
<b>20A00U909</b>	PUREZERO HG3 light blue nitrile gloves, Tacky, M	1500
<b>20A00U910</b>	PUREZERO HG3 light blue nitrile gloves, Tacky, L	1500
<b>20A00U911</b>	PUREZERO HG3 light blue nitrile gloves, Tacky, XL	1500



### XtraClean™ 3-Pocket Lab Coats SMS w/Knitted Cuffs & Collar

XtraClean XC8614 Cleanroom Lab Coats are made from heavy-weight SMS (spunbond meltblow spunbond) non-woven fabric. These breathable lab coats provide good air permeability, protecting against light fluid contact & particles. Low-lint SMS is a clean barrier fabric, ideal to maintain integrity of the cleanroom. The XC8614 Lab Coats feature 5 snaps, knitted collar & cuffs and includes 3 pockets. Available in Blue & White.



Thomas No.	Description	Case
20A00K920	XtraClean XC8614 Cleanroom Lab Coat, Blue, SM	30
20A00K921	XtraClean XC8614 Cleanroom Lab Coat, Blue, MD	30
20A00K922	XtraClean XC8614 Cleanroom Lab Coat, Blue, L	30
20A00K923	XtraClean XC8614 Cleanroom Lab Coat, Blue, XL	30
20A00K924	XtraClean XC8614 Cleanroom Lab Coat, Blue 2XL	30
20A00K925	XtraClean XC8614 Cleanroom Lab Coat, Blue, 3XL	30
20A00K926	XtraClean XC8614 Cleanroom Lab Coat, White, SM	30
20A00K927	XtraClean XC8614 Cleanroom Lab Coat, White, MD	30
20A00K928	XtraClean XC8614 Cleanroom Lab Coat, White, L	30
20A00K929	XtraClean XC8614 Cleanroom Lab Coat, White, XL	30
20A00K930	XtraClean XC8614 Cleanroom Lab Coat, White, 2XL	30
20A00K931	XtraClean XC8614 Cleanroom Lab Coat, White, 3XL	30

### Thomas® Full or Half Face Shields

Provides maximum eye and face protection. A foam strip along the top edge of shield forms an impenetrable barrier against drips and aerosols from above. Soft strap fastening system provides comfort without compromising user safety. Economical enough to justify single use. Dimensions: Short shield: 5" H x 13" W; Full shield: 7.5" H x 13" W



Thomas No.	Description	Pack	Carton
5775H50	Face Shield, Full	24	144
5775H54	Face Shield, Short	24	144

### XtraClean™ Cleanroom Polypropylene Beard Covers

Beardcovers are made from 14gm hydro-entangled polypropylene fabric & have a latex-free elastic band. Packaged in a Class 100 cleanroom environment, beardcovers are sealed in outer polyethylene bags as well as a separate inner-case, poly-bag liner. Size is Universal and the color is white.



Thomas No.	Description	Pack	Case
XC2000-W1	Beardcover, Cleanroom spunbond lightweight polypropylene with latex free elastic band, Used to cover facial hair, White, 100/Pack, 10 Pack/Case, 1000 Each/Case	100	1000
XC2000-W5	Beardcover, Cleanroom spunbond lightweight polypropylene with non-latex elastic band, Used to cover facial hair, White, 100/Pack, 5 Pack/Case, 500 Each/Case	100	500

### XtraClean™ Cleanroom Bouffant Caps

Made of 100% virgin polypropylene fabric with a latex-free elastic band. Weighs approximately 10 grams and packaged in a Class 100 compatible environment. Packed in sealed polyethylene bags and a separate inner-case poly-bag liner. Measures 21" in diameter. Available in Blue or White.



### National Marker (NMC) Hazard Identification System Kits

Graphically explain the hazards of the chemical of your choice using the NFPA coding system. 35.56cm x 25.4cm (14" x 10") Rigid Plastic with rounder corners and predrilled mounting holes.



Thomas No.	Description	Each
1215H45	Hazard Identification System Kit	1
1215H49	Hazardous Materials Classification Sign, 14" x 10", PS Vinyl	1

### safeForce Glass Disposal Boxes

- Sturdy corrugated cardboard
  - 2 mil thick polypropylene liner
  - Two models: bench and floor
- Benchtop (8" x 8" x 10") & Floor (12" x 12" x 27") which hold 5.5 and 40 lbs. respectively.



Thomas No.	Description	Pack
20A00T530	Glass Disposal Box, Floor Model	6
20A00T531	Glass Disposal Box, Bench Model	6

### SAS Safety Safety Goggles

- ANSI Z87.1-1989 certified
  - Economical
  - Adjustable for comfort
- Perfect for any facility. These chemical splash goggles feature special vents to eliminate hazardous material exposure.



Thomas No.	Description	Each	Pack
5773C69	Goggles, Chemvent	1	6

### Protective Industrial Products Bouton® Optical The Scout Visitor Specs

- Polycarbonate unilens
- Over-the-glass design fits over all prescription eyewear
- Can also be worn by itself as a regular safety glass
- Molded nose bridge design to fit the vast majority of users
- Indirect vent temples to reduce fogging
- 4 Base curve lens



Thomas No.	Description	Pack	Case
1200W90	The Scout Eyewear, Visitor specs, Clear temple, Clear lens, Anti-scratch	12	144
1200W91	The Scout Eyewear, Visitor specs, Gray temple, Gray lens, Anti-scratch	12	144
1200W92	The Scout Eyewear, Visitor specs, Clear temple, Clear lens, Uncoated	12	144

Thomas No.	Description	Each	Carton
XC2100-B5	Bouffant Cap, Blue, 21", Double bagged, 100 Each/Bag, 5 Bags/Case	100	500
XC2100-W1	Bouffant Cap, Blue, 21", Double bagged, 100 Each/Bag, 5 Bags/Case	100	500



# New Lab Start-Up Checklist

## CHEMICALS/REAGENTS:

- ☐ Acetone
- ☐ Acetonitrile
- ☐ Detergent
- ☐ Ethyl Acetate
- ☐ Hexane
- ☐ Media
- ☐ Methanol
- ☐ Nitric Acid
- ☐ Reagents
- ☐ Salts
- ☐ Silica Gel
- ☐ Sodium Chloride
- ☐ Solvents
- ☐ Standards
- ☐ Water

## CHROMATOGRAPHY:

- ☐ Flash Chromatography Media
- ☐ Syringes
- ☐ Vials

## EQUIPMENT:

- ☐ Autoclaves
- ☐ Baths, Water
- ☐ Centrifuges
- ☐ Cryogenic Freezing
- ☐ Dispensers
- ☐ Freeze Dry Systems
- ☐ Homogenizers
- ☐ Hot Plates
- ☐ Incubators
- ☐ Ovens
  - ☐ Forced Air
  - ☐ General Purpose
  - ☐ Vacuum
- ☐ Refrigerators/Freezers
- ☐ Rotary Evaporators
- ☐ Shakers
  - ☐ Benchtop
  - ☐ Clamps
  - ☐ Incubating

## Equipment con't.

- ☐ Stirrers
- ☐ Thermal Cycler
- ☐ Ultrasonic Cleaners
- ☐ Vacuum Pumps
- ☐ Vortexers/Mixers
- ☐ Water Purification Systems

## FURNITURE:

- ☐ Cabinets
- ☐ Carts
- ☐ Chairs/stools
- ☐ Countertops
- ☐ Drying Racks
- ☐ Faucets
- ☐ Fixtures
- ☐ Fume Hoods
- ☐ Glassware Washers
- ☐ Shelving
- ☐ Sinks
- ☐ Tables, Workstations

## INSTRUMENTATION:

- ☐ Balances
- ☐ Barometers
- ☐ Conductivity
- ☐ Data Loggers
- ☐ Hydrometers
- ☐ Microplate Readers
- ☐ Microscopes
- ☐ Refractometers
- ☐ Spectrophotometer
- ☐ Timers
- ☐ Titration

## LIFE SCIENCE:

- ☐ Cell Culture Supplies
- ☐ Microbiology
- ☐ Molecular Biology
- ☐ PCR
- ☐ Protein Purification

## SAFETY:

- ☐ Apparel
- ☐ Chemical Storage
- ☐ Controlled Environment
- ☐ Ear Protection
- ☐ Emergency Response
- ☐ Eye Protection
- ☐ Eye Wash Kits
- ☐ Face and Head Protection
- ☐ First Aid
- ☐ Hand Hygiene
- ☐ Respirators
- ☐ Safety Identification

## SUPPLIES:

- ☐ Aluminum Foil
- ☐ Apparel
  - ☐ Aprons
  - ☐ Caps
  - ☐ Coveralls
  - ☐ Cuff Tape
  - ☐ Frocks
  - ☐ Gowns
  - ☐ Lab Coats
  - ☐ Hoods & Face Covers
  - ☐ Masks, Surgical
  - ☐ Sleeves and Oversleeves
  - ☐ Scrubs
  - ☐ Shoe and Boot Covers
  - ☐ Smocks
- ☐ Autoclave Tape
- ☐ Bags
  - ☐ Autoclave
  - ☐ Biohazard
  - ☐ Resealable Bags
- ☐ Bench Protectors
- ☐ Bottles
- ☐ Bunsen Burners
- ☐ Burets
- ☐ Centrifuge Tubes

## Supplies con't.

- ☐ Clamps
- ☐ Clean Room Supplies
- ☐ Cleaners/Disinfectants
- ☐ Crucibles
- ☐ Face Masks
- ☐ Film
- ☐ Filtration
- ☐ Flasks
- ☐ Funnels
- ☐ Glassware
- ☐ Gloves
- ☐ Gas Regulators
- ☐ Hygiene
- ☐ Labeling Tape & Systems
- ☐ Liquid Nitrogen Dewars
- ☐ Microslides
- ☐ Parafilm
- ☐ Petri Dishes
- ☐ Pipets
- ☐ Pipettors
- ☐ Plasticware
- ☐ Plates
- ☐ Storage Boxes
- ☐ Thermometers
- ☐ Timers
- ☐ Tubes
- ☐ Vials
- ☐ Wash Bottles
- ☐ Wipes



# Terpenes in Cannabis



**Agilent  
Technologies**

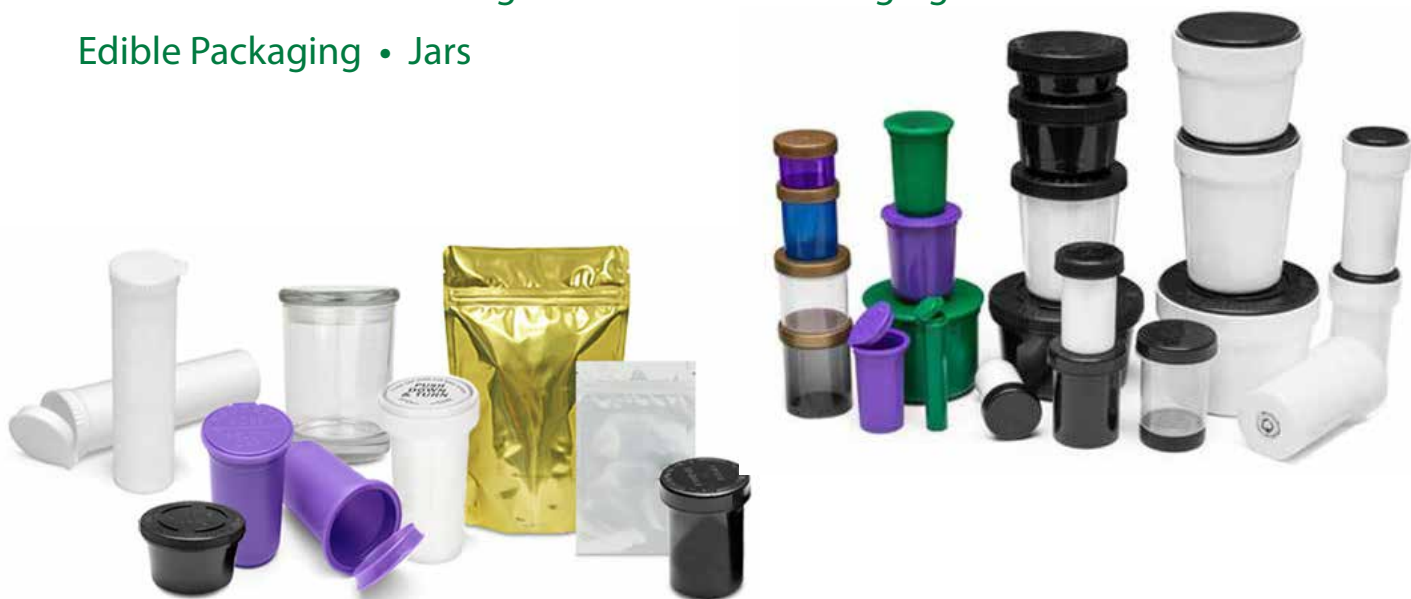
**RESTEK®**



**SPEX CertiPrep®**

## | Packaging

Vials • Child Resistant Bags • Smell Proof Packaging  
Edible Packaging • Jars



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