

Thomas[®]

B R A N D

labForce

powered by Thomas Scientific



Thomas Brand and labForce Products

Thomas
Scientific

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Thomas Scientific, LLC Family of Companies

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RESEARCH PRODUCTS

E&K SCIENTIFIC

AMERICAN
CLEAN STAT

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Balances

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TS-T Series Advanced Laboratory Balances

*Advanced weighing performance -
Maximum ease of operation*

- Ease of operation due to 5" capacitive touchscreen
- Clear menu and practical arrangement of display
- Design the display using a wide selection of widgets
- Built-in IR sensors
- ALIBI memory that is a warranty for safety and automatic recording of your measurements
- USB interface facilitates quick transfer and copying of any results of your work



Thomas No.	Description
1160T76	Semi-Micro/Analytical Balance, 82/220g x 0.01/0.1mg, 100-240V
1160T77	Analytical Balance, 160g x 0.1mg, 100-240V
1160T78	Analytical Balance, 220g x 0.1mg, 100-240V
1160T79	Analytical Balance, 310g x 0.1mg, 100-240V
1160T80	Precision Balance, 360g x 0.1mg, 100-240V
1160T81	Precision Balance, 600g x 1mg, 100-240V
1160T82	Precision Balance, 1000g x 1mg, 100-240V
1160T83	Precision Balance, 2100g x 0.01g, 100-240V
1160T84	Precision Balance, 4500g x 0.01g, 100-240V
1160T85	Precision Balance, 6000g x 0.01g, 100-240V

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TS-M Series Moisture Analyzers

*Highest-level functionality for professional drying
processes and moisture content analysis*

- Versatility of applications
- Ease and comfort of operation
- Precision of mass measurement in all thermal conditions
- Drying temperature optimization and process visualization
- Database as drying processes backup
- Three Year Warranty is included with all labForce Moisture Analyzers



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

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TS-B Series Basic Portable Laboratory Balances

*Economical weighing for educational and general
laboratory use*

- Portable and simple operation
- Oversized draft shield - (150 x 140 x 107mm) internal dimensions
- Plastic weigh bowl and stainless steel weigh pans



Thomas No.	Description
1160U14	Precision Balance, 120g x 1mg, 110-240V
1160U15	Precision Balance, 500g x 0.01g, 110-240V
1160U16	Precision Balance, 1500g x 0.05g, 110-240V
1160U17	Precision Balance, 3000g x 0.1g, 110-240V
1160U18	Precision Balance, 6000g x 1g, 110-240V

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TS-U Series Ultra-Microbalances and Microbalances

*Professional level of weighing with the highest
measurement accuracy*

- Faster measurement with the Dual Core 2 x 1 GB processor
- 8 GB RAM - more data management possibilities
- The best possible repeatability and USP regulations conformity
- Hands free operation
- ALIBI memory designed to provide protection and automatic recording of your measurements



Thomas No.	Description
1160U38	Ultra-Micro Balance, 2.1g x 0.1µg, 100-240V
1160U39	Micro Balance, 2.1g x 1µg, 100-240V
1160U40	Micro Balance, 5.1g x 1µg, 100-240V
1160U41	Micro Balance for Filters, 5.1g x 1µg, 100-240V
1160U42	Micro Balance, 11g x 1µg, 100-240V
1160U43	Micro Balance, 21g x 1µg, 100-240V
1160U44	Micro Balance for Pipette Calibration, 21g x 1µg, 100-240V

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TS-L Series Standard Laboratory Balances

*Standard weighing with highly precise
measurement*

- Precise Measurement and Repeatability
- Easy-to-Read Information Arrangement
- USB and RS-232 Interface
- Direct Access to Selected Functions
- User-friendly Draft Shield



Thomas No.	Description
1160T96	Analytical Balance, 62g x 0.1mg, 110-240V
1160T97	Analytical Balance, 160g x 0.1mg, 110-240V
1160T98	Analytical Balance, 220g x 0.1mg, 110-240V
1160T99	Analytical Balance, 310g x 0.1mg, 110-240V
1160U00	Precision Balance, 360g x 1mg, 110-240V
1160U01	Precision Balance, 600g x 1mg, 110-240V
1160U02	Precision Balance, 1200g x 0.01g, 110-240V
1160U03	Precision Balance, 2100g x 0.01g, 110-240V
1160U04	Precision Balance, 4500g x 0.01g, 110-240V
1160U05	Precision Balance, 6000g x 0.01g, 110-240V

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TS-E Series Economy Laboratory Balances

Economy level balances for basic weighing needs

- Economical
- Simple operation
- Advanced Microprocessor Technology
- Multiple Weigh Modes
- RS232 Interface Connectivity



Thomas No.	Description
1160U29	Precision Balance, 1000g x 0.01g, 110-240V
1160U30	Precision Balance, 3000g x 0.01g, 110-240V
1160U31	Precision Balance, 3000g x 0.1g, 110-240V
1160U32	Precision Balance, 6000g x 0.1g, 110-240V
1160U33	Precision Balance, 10000g x 0.1g, 110-240V
1160U34	Precision Balance, 20000g x 0.1g, 110-240V



Five-year Warranty on all labForce TS Balances

Equipment

Balances continued

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TS-P Series Portable Laboratory Balances

Portable weighing for educational and light industrial use



- Ideal for educational, light industrial, and general laboratory applications
- Portable
- Large, easy-to-see backlit LCD display
- Multiple weigh modes with removable draft shield
- Stainless steel weigh pans

Thomas No.	Description
1160U19	Precision Balance, 200g x 1mg, 110-240V
1160U20	Precision Balance, 600g x 0.01g, 110-240V
1160U21	Precision Balance, 2000g x 0.01g, 110-240V
1160U22	Precision Balance, 3100g x 0.1g, 110-240V
1160U23	Precision Balance, 2000g x 0.01g, 110-240V
1160U24	Precision Balance, 6000g x 0.1g, 110-240V
1160U25	Precision Balance, 2000g x 0.01g, 110-240V
1160U26	Precision Balance, 6000g x 0.1g, 110-240V
1160U27	Precision Balance, 10000g x 0.1g, 110-240V
1160U28	Precision Balance, 20000g x 0.1g, 110-240V

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TS-L.C Series Standard Laboratory Balances

Standard weighing with highly precise measurement

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



Thomas No.	Description
1160T86	Semi-Micro/Analytical Balance, 82/220g x 0.01/0.1mg, 110-240V
1160T87	Analytical Balance, 160g x 0.1mg, 110-240V
1160T88	Analytical Balance, 220g x 0.1mg, 110-240V
1160T89	Analytical Balance, 310g x 0.1mg, 110-240V
1160T90	Precision Balance, 360g x 1mg, 110-240V
1160T91	Precision Balance, 600g x 1mg, 110-240V
1160T92	Precision Balance, 1200g x 0.01g, 110-240V
1160T93	Precision Balance, 2100g x 0.01g, 110-240V
1160T94	Precision Balance, 4500g x 0.01g, 110-240V
1160T95	Precision Balance, 6000g x 0.01g, 110-240V

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

Standard weighing with NTEP Certified Balance

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



Thomas No.	Description
1160U06	Analytical Balance NTEP, 220g x 0.1mg, 110-240V
1160U07	Analytical Balance NTEP, 310g x 0.1mg, 110-240V
1160U08	Precision Balance NTEP, 210g x 1mg, 110-240V
1160U09	Precision Balance NTEP, 360g x 1mg, 110-240V
1160U10	Precision Balance NTEP, 1000g x 1mg, 110-240V
1160U11	Precision Balance NTEP, 2100g x 0.01g, 110-240V
1160U12	Precision Balance NTEP, 3500g x 0.01g, 110-240V
1160U13	Precision Balance NTEP, 4500g x 0.01g, 110-240V

DryBaths

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IncuBlock™ Mini Dry Baths

With its compact construction, broad temperature range, and multiple block options, the IncuBlock™ Mini is the perfect tool for laboratory incubations



- Compact, fits on any crowded benchtop
- Exchangeable blocks for 0.2 to 50ml tubes
- Simple touchpad, digital control
- Blocks sold separately

Thomas No.	Description
1154J48	IncuBlock Mini Dry Bath, 100-240V (US Plug)
1154J49	IncuBlock Mini Dry Bath, 100-240V (European plug)
1154J50	Block, 40 x 0.2mL tubes or 5 PCR strips
1154J51	Block, 24 x 0.5mL centrifuge tubes
1154J52	Block, 15 x 1.5mL centrifuge tubes
1154J53	Block, 4 x 15mL centrifuge tubes
1154J54	Block, 15 x 1.5mL or 2.0mL tubes
1154J55	Block, 2 x 50mL centrifuge tubes
1154J56	12V Vehicle Power Adapter

Hot Plates/Hot Plate Stirrers

Thomas
BRAND

Thomas Hot Plates

Thomas hot plates provide superior performance and repeatable results

- LED temperature display
- Microprocessor control
- Cool Touch, chemical-resistant housing
- Microprocessor control regulates heating function



Thomas No.	Description
1235A20	Hot Plate, Ceramic, 7 x 7, 120V
1235A24	Hot Plate, Ceramic, 7 x 7, 230V
1235A28	Hot Plate, Ceramic, 10 x 10, 120V
1235A32	Hot Plate, Ceramic, 10 x 10, 230V

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Thomas Hot Plates

The Thomas Mini Hot Plate/Stirrer stirs and heats up to 1000 mL of liquid

- Heats up to 400°C
- Speed range of 100 to 1200 rpm
- Ideal for educational labs
- PTFE-coated spin bar included
- Built-in support rod holder



Thomas No.	Description
1231B41	Thomas Mini Hot Plates / Stirrer, 115V

Hot Plates/Hot Plate Stirrers *continued***Thomas[®]**
B R A N D**Thomas Hot Plate Stirrers**

Thomas hot plates provide superior performance and repeatable results



- LED temperature display
- Microprocessor control
- Cool Touch, chemical-resistant housing
- Hot Top indicator
- Low-profile, spill-resistant housing channels fluids away from internal components
- Microprocessor control regulates both heating and stirring functions
- Ramping feature slowly increases speed to avoid splashing, improves magnetic coupling and provides low speed control
- Speed is precisely controlled and provides consistent stirring throughout the entire range
- Ceramic top plate features a chemical-resistant, reflective white top plate surface
- Powerful, continuous duty motor and magnet deliver dependable and reliable stirring

Thomas No.	Description
1224Q73	Hot Plate Stirrer, Ceramic, 4 x 4, 120V, Adv
1224Q74	Hot Plate Stirrer, Ceramic, 4 x 4, 120V, Adv
1224Q75	Hot Plate Stirrer, Ceramic, 4 x 4, 230V, Adv
1224Q76	Hot Plate Stirrer, Ceramic, 4 x 4, 230V, Adv
1235A21	Hot Plate Stirrer, Ceramic, 7 x 7, 120V
1235A25	Hot Plate Stirrer, Ceramic, 7 x 7, 230V
1235A29	Hot Plate Stirrer, Ceramic, 10 x 10, 120V
1235A33	Hot Plate Stirrer, Ceramic, 10 x 10, 230V

Thomas[®]
B R A N D**Thomas Mini Hot Plates**

The Thomas Mini Hot Plate heats up to 1000 mL of liquid



- Heats up to 400°C
- Ideal for educational labs
- Cast aluminum top plate
- Built-in support rod holder
- Bi-metallic thermostat offers reliable heating control
- Compact design saves bench space
- Durable 4.5" diameter cast aluminum top plate provides an even heating surface
- The Thomas Fixed Temp Hot Plate exhibits the same features as the Mini Hot Plate but with a fixed temperature setting of 400°C
- Simply turn the unit on and the powerful heater reaches a maximum of 400°C in minutes
- Low-profile, spill-resistant housing channels fluids away from internal components

Thomas No.	Description
1231B39	Thomas Mini Hot Plate, 120V
1231B43	Hot Plate, Fixed Temp, 120V
1231B44	Hot Plate, Fixed Temp, 230V

Lab Lifts

Thomas[®]
B R A N D**Thomas Heavy-Duty Stainless Steel Lab-Lifts**

Heavy-duty stainless steel lab-lifts are very stable lifting platforms that offer exceptionally high strength and durability



- Exceptional stability and control
- Stainless steel construction
- Seven sizes for any application
- Autoclavable and chemical-resistant
- Equipped with over-sized, sure-grip adjustment knobs for extra leverage and easy height adjustments
- Lab-lifts are for use in extreme environments and high load applications
- Kit allows users to mount a 17" vertical support rod to the upper deck of a 6" x 6", 8" x 8", 10" x 10", 12" x 12" or 16" x 16" lab-lift
- Ratchet tool is designed to add extra leverage to 12" x 12" or 16" x 16" units

Note: Max load rating represents static weight only. Static weight is the amount a unit can hold, not lift.

Thomas No.	Description
1231B18	Lab-Lift 3 in. x 3 in. Stainless Steel
1231B19	Lab-Lift 4 in. x 4 in. Stainless Steel
1231B20	Lab-Lift 6 in. x 6 in. Stainless Steel
1231B21	Lab-Lift 8 in. x 8 in. Stainless Steel
1231B22	Lab-Lift 10 in. x 10 in. Stainless Steel
1231B23	Lab-Lift 12 in. x 12 in. Stainless Steel
1231B24	Lab-Lift 16 in. x 16 in. Stainless Steel

Thomas[®]
B R A N D**Aluminum Lab-Lifts**

Aluminum lab-lifts provide stable height adjustment for lab items such as flasks, baths and small equipment weighing up to 45 lbs.



- Anodized aluminum construction
- Three sizes
- Convenient
- Oversized knobs provide smooth and accurate height adjustment
- Top and bottom decks are constructed of anodized aluminum
- Internal supports and drive screws are constructed of stainless steel
- 17" Support Rod Kit creates an adjustable support stand to mount various items such as thermometer clamps, temperature probes, flasks and column clamps
- The kit allows users to mount a 17" vertical support rod to the deck of a 6" x 6", 8" x 8" or 10" x 10" Aluminum Support Jack

Note: Max load rating represents static weight only. Static weight is the amount a unit can hold, not lift.

Thomas No.	Description
1231B27	Lab-Lift 4 in. x 4 in. Aluminum
1231B28	Lab-Lift 6 in. x 6 in. Aluminum
1231B29	Lab-Lift 8 in. x 8 in. Aluminum

Equipment

Laboratory Seating

Our laboratory chairs feature the latest advancements in laboratory ergonomics, such as contoured waterfall cushions and 6-way armrests, for improved posture and blood circulation.
Styles: Chairs, Stools, & Stools with Backs



Controlled Seating



Industrial Seating



Office Seating



A quick aid featured on **thomaschair.com** is the **Build Your Chair** feature.

It is designed using ergonomic principles and research data to offer a full range of options to be applied to the various tasks and environments we work within. The key to optimal work posture is for your chair and work surface to be in proper height relationship. The online guide will assist you in choosing the right chair product to match your work situation.

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Microscopes

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Stereo, Fixed Magnification Microscopes
Provides a large stage for sample manipulation while fitting in a storage cabinet

- Illuminated stands permit light from three directions (above, below or both) to help observe opaque or transparent samples
- Solid, all-metal focus mechanisms endure extensive student use
- ST-800 series helps students select magnification - turning a knob on the head
- Low voltage bulbs last for hundreds of hours



Thomas No.	Description
1228M25	Stereo Fixed Magnification Microscope, Binocular, Two Power, Halogen/Fluorescent, Knob Magnification Changer; Magnification: 10X-20X
1228M26	Stereo Fixed Magnification Microscope, Binocular, Two Power, Halogen/Fluorescent, Knob Magnification Changer; Magnification: 10X-30X
1228M27	Stereo Fixed Magnification Microscope, Binocular, Two Power, Halogen/Fluorescent, Knob Magnification Changer; Magnification: 10X-40X
1228M28	Stereo Fixed Magnification Microscope, Binocular, Two Power, Halogen/Fluorescent, Knob Magnification Changer; Magnification: 20X-40X

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Stereo Zoom Microscopes
Easy to choose - Two magnification ranges with multiple illumination options

- TS7 Series @ 6.5-45X ratio 7:1, infinite zoom
- TS65 Series @ 10-65X ratio 6.5:1, infinite zoom
- TS6 Series @ 7-45X ratio 7:1, infinite zooms



Thomas No.	Description
1191D85	Stereo Zoom Microscope, Binocular, 7:1 Zoom Ratio, 6.5X to 45X, Dual Halogen, 10X Eye Pieces FN22
1191D86	Stereo Zoom Microscope, Binocular, 7:1 Zoom Ratio, 6.5X to 45X, Halogen/Fluorescent, 10X Eye Pieces FN22
1191D89	Stereo Zoom Microscope, Trinocular, 7:1 Zoom Ratio, 6.5X to 45X, Dual Halogen, 10X Eye Pieces FN22
1191D90	Stereo Zoom Microscope, Trinocular, 7:1 Zoom Ratio, 6.5X to 45X, Halogen/Fluorescent, 10X Eye Pieces FN22
1191F04	Stereo Zoom Microscope, Binocular, 6.5:1 Zoom Ratio, 10X to 65X, Dual Halogen, 10X Eye Pieces FN22
1189K80	Stereo Zoom Microscope, Trinocular, 6.5:1 Zoom Ratio, 10X to 65X, Dual Halogen, 10X Eye Pieces FN22
1191D87	Stereo Zoom Microscope, Binocular, 7:1 Zoom Ratio, 6.5X to 45X, Post Stand (No Illumination)
1191D88	Stereo Zoom Microscope, Binocular, 7:1 Zoom Ratio, 6.5X to 45X, Smooth Boom Stand (No Illumination)
1191D91	Stereo Zoom Microscope, Trinocular, 7:1 Zoom Ratio, 6.5X to 45X, Post Stand (No Illumination)
1191D92	Stereo Zoom Microscope, Trinocular, 7:1 Zoom Ratio, 6.5X to 45X, Smooth Boom Stand (No Illumination)
1191F05	Stereo Zoom Microscope, Binocular, 6.5:1, Zoom Ratio, 10X to 65X, Post Stand (No Illumination)
1171J28	Stereo Zoom Microscope, Binocular, 6.4:1 Zoom Ratio, 7X to 45X, LED, 10X Eye Pieces FN23
1171J29	Stereo Zoom Microscope, Trinocular, 6.4:1 Zoom Ratio, 7X to 45X, LED, 10X Eye Pieces FN23
1160V40	Stereo Zoom Microscope, Binocular, 6.4:1 Zoom Ratio, 7X-45X, LED, with Digital Color Video Camera, USB 2.0, 3 MP Resolution, 10X Eye Pieces FN23
1223R43	Stereo Zoom Microscope, Binocular, 6.5:1 Zoom Ratio, 6.5X to 45X, LED
1223R44	Stereo Zoom Microscope, Trinocular, 6.5:1 Zoom Ratio, 6.5X to 45X, LED
1156C62	Stereo Zoom Microscope, Binocular, 6.5:1 Zoom Ratio, 10X-65X, LED
1156C63	Stereo Zoom Microscope, Binocular, 6.5:1 Zoom Ratio, 10X-65X, LED

Microscopes continued

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Inverted Compound Microscopes 3 Series, 1 Family of Outstanding Optics, Superb Image Resolution

- TS-5 Series – unique low power 5X Phase Contrast infinity planachro objective
- TS-2A1 Series – unique swing out condenser accommodates large vessels
- TS-366 Fluorescent Microscope – unique fluorescent filters to match excitation/emission specifications of GFP, FITC and other fluorophores
- All series feature easy operational controls for: light intensity, phase contrast objective selection and stage positioning, providing comfort in use
- Both TS-5 and TS-2A1 - Excellent for routine applications; mamalian cell identification/counting



Thomas No.	Description
1170Y28	TS-5 Inverted Compound Microscope, Trinocular, Mechanical Stage, LED Illumination, 7 ea. Infinity Plan Objectives: 5X, 10X, 20X, 40XR, Phase Contrast / Brightfield, 6 hole turret, Eye Pieces 10X, FN22
1170Y29	TS-5S Inverted Compound Microscope, Trinocular, Fixed Stage, LED Illumination, Infinity Plan Phase Contrast Objectives: 5X, 10X & 20X; Eye Pieces 10X, FN22
1191D96	TS-3A1 Inverted Compound Microscope, Trinocular, Fixed Stage, LED Illumination, Infinity Plan Phase Contrast Objectives: 10X & 20X; Eye Pieces 10X, FN20 (can take Fluorescent module)
1191D97	TS-2A1 Inverted Compound Microscope, Trinocular, Mechanical Stage, 30W Halogen, 6 ea. Plan Objectives: 10X, 25X, 40XR, Phase Contrast / Brightfield, 5 hole turret, swing out long working distance condenser, Eye Pieces 10X, FN20
1228M22	TS-366 Inverted Compound Microscope, Epi-Fluorescence, Trinocular, Mechanical Stage, 6 ea. Plan Objectives: 10X, 25X, 40XR, 3 Brightfield & Phase Contrast, 30W Halogen & 100W Mercury burner with power supply, 2 ea. Fluorescent filters

Mini Centrifuges

Thomas
BRAND

Mini Centrifuge

The Thomas® Mini Centrifuge is a personal centrifuge that virtually fits in the palm of your hand



- The Thomas® Mini Centrifuge is extremely easy to use
- Ideal for quick spin downs of microtubes and PCR tubes
- Eight Position Microtube rotor
- Storage compartment for PCR rotor
- Simply close the lid and the rotor instantly reaches 6,000 rpm
- Near silent operation
- Starts and stops in seconds
- User-friendly draft shield
- An increased capacity, eight-position microtube rotor is included and comes installed
- (8) x 0.5mL Tube adapters for Microfuge Tube rotor included with purchase
- (8) x 0.2mL Tube adapters for Microfuge Tube rotor included with purchase

Thomas No.	Description
1222U60	Thomas® Mini Centrifuge, Red lid 100-240V US Plug
1222U61	Thomas® Mini Centrifuge, Red lid 100-240V EU Plug

Mixers

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Variable Speed Mini Orbitron™

Nutating Mixers

Provides gentle continuous mixing of specimens in a variety of blood tubes, centrifuge tubes, glass vials or plates

- Variable speed from 4-24 rpm's
- Low profile and small footprint minimizes bench space
- Extremely quiet
- Accommodates a variety of blood tubes and centrifuge tubes
- Includes one rubber dimple pad. Can be washed with mild soap and water. Also can be autoclaved.



Thomas No.	Description
1165U03	Variable Speed Small Nutating Mixer, 4-24 RPM

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Thomas Vortex Mixer

Ideal for use with flasks, beakers, microwell plates and a variety of tubes



Touch Vortex Mixer

- Stable, heavy-duty construction
- Small footprint
- Minimal vibration

Analog Vortex Mixer

- Variable speed 300 to 3200 rpm
- Touch mode or continuous operation

Features

- Features two modes of operation
- Use the continuous mode with accessory attachments or the touch mode - pressing the cup head activates mixing
- A cup head and three-inch head with cover are included
- Dimensions: 5.1" W x 7.75" D x 5.8" H. Weight is 11 lbs.

Accessories

- Include a variety of tube holders, vessel holder, ampule tube holder, a single tube holder, a tube holder kit with retainer and a micro-tube and micro-well plate holder kit with retainer
- Foam Insert Kit with Retainer (8294B46) includes an insert retainer, vessel harness and one insert for 9-13 mm tubes, 14-19 mm tubes, and 20-25 mm tubes as well as a blank insert

Thomas No.	Description
8294B38	Thomas Touch Vortex Mixer, 120V
1232L69	Thomas Touch Vortex Mixer, 230V
8294B30	Thomas Analog Vortex Mixer, 120V
1232L68	Thomas Analog Vortex Mixer, 230V

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Tap Dancer Mini Tube Vortex Mixer

Compact, with low profile and small footprint

- Pressure sensitive cup
- Continuous or touch operation
- Rubber suction pads prevent walking, absorb vibration
- Low voltage supply for safe cold room use
- 2 Year warranty
- Power pack is UL, CSA and CE approved



Thomas No.	Description
1165U06	Tap Dancer Mini Tube Vortex Mixer, 12V DC 0.5 A via 115/230V AC adapter

Equipment

Orbital Shakers

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Orbital Shaker

Optimal for mixing bottles, flasks and beakers due to the smooth horizontal motion

- Small foot print, reciprocating/orbital shaker
- Smooth horizontal orbital motion for mixing in bottles, flasks, and beakers
- Soft start and noise-free operation
- Can be used in an incubator 4°C to 40°C
- Power Pack is CSA, UL, CE approved
- 2 Year warranty
- Platform sold separately
- Shakers do not vibrate on countertops and do not produce heat, making them perfect for culturing sensitive microbes
- labForce orbital shakers are designed to save space and even fit inside incubators



Thomas No.	Description
1165U07	Orbital Shaker Base, 12V DC
1165U08	Flat Platform with Rubber Mat

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Orbitron V 3D Orbital Shakers

Variable speed, 3D motion provides gentle or vigorous mixing

- Adjust your tray angle for a gentle, vigorous or "somewhere in between" agitation
- Supplied with a non-skid rubber mat so you can position your vessels with confidence
- Set the timer up to 12 hours or set for continuous
- Easy to adjust tilt angle with a single set screw adjustment



Thomas No.	Description
1165U11	Orbitron V Orbital Shaker with 3D Wave Motion, 115V 50/60Hz UL/CSA

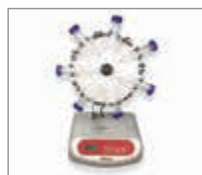
Tube Rotators

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powered by Thomas Scientific

Tube Rotator

labForce's Laboratory Tube Rotator is ideal for Biochemistry, Molecular Biology and Clinical applications. Provides gentle or vigorous mixing

- Digital Microprocessor Control
- Adjustable speed provides gentle or vigorous mixing action
- Adjustable angled head offers mixing angles from 90°-180°
- Power Pack is CSA, UL, CE approved
- 2 Year warranty
- Power pack is UL, CSA and CE approved



Thomas No.	Description
1165U04	Tube Rotator with Carousel for (14) 50mL tubes

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Mini Tube Rotators

Small footprint for your bench – we know you need all the space you can get!

- A Variable Speed with LCD display
- Includes Carousel for 36 x 1.5/2.0mL tubes
- Provides complete 360° Rotation
- An adjustable 0-90° Mixing Angle
- Interchangeable carousels for all common laboratory tubes
- Cold Room and Incubator compatible
- AC Adapter marked with UL/CSA and CE markings
- 2 Year Warranty



Thomas No.	Description
1165U05	Mini Tube Rotator with Carousel for 36 x 1.5/2.0mL tubes

Wiley Mills

Thomas
BRAND

Thomas Model 4 Wiley® Mill

NEW & Improved! The Thomas Model 4 Wiley® Mill is ideal for the sample preparation of solid biofuels according to EN 14780

- Official Methods of Analysis AOAC 922
- Moving parts are totally enclosed
- 7 3/4" diameter milling chamber - 141 cu. in.
- 2 1/4" diameter sample input
- 50 to 1,000 gram sample volume
- Single speed - 800 rpm at 60 Hz or 667 rpm at 50 Hz
- All steel construction



New Model Enhancements:

- Redesigned enclosure to reduce dust from entering the machine enclosure
- Sieves are now to be 316 stainless steel with optional certification of sieve hole size (must be requested at time of order)
- Added rotational mass for improved cutting capabilities
- Rigging eye hook included for ease of machine placement and relocation
- Sounded dampening foam included on inside of enclosure top designed to reduce machine/motor noise

Models With Floor Stand

- Heavy channel stock steel construction
- Smooth rolling casters
- Accessory shelf
- Overall dimensions (W x D x H, in.): 20 x 26 x 49; shelf dimensions (W x D x H, in): 13.8 x 15.9 x 1.8

Notes

- Mills were originally designed for grinding fertilizer materials, animal hair, hoofs, etc.
- The hard, tool steel cutting edges on the knives allow milling of a wider range of materials

Thomas No.	Description
1188Y47	Model 4 Wiley Mill, 115V, 50/60Hz
1188Y48	Model 4 Wiley Mill, 230V, 50/60Hz
1188Y51	Model 4 Wiley Mill, w/ Floor Stand, 115V, 50/60Hz
1188Y52	Model 4 Wiley Mill, w/ Floor Stand, 230V, 50/60Hz

Wiley Mills continued

**Thomas
BRAND**

Thomas Wiley® Mini Cutting Mills
NEW and improved! The Thomas Wiley® Mini-Mill is our smallest cutting mill - but still Wiley® tough

**Mini Cutting Mill (1171H10)**

- Designed with a machine tool type of cartridge spindle, small powerful motor with a operational speed of 1,750 rpms with high torque
- Chamber door comes standard with a door safety switch
- Machine has legs to set on top of a benchtop or the legs can be removed and the machine can be bolted directly to a benchtop

Variable Speed Mini Cutting Mill (1173U48)

- Designed with a machine tool type of cartridge spindle, small powerful servo motor which allows for variable speed operation of 0 - 2,400 rpms with high torque
- Chamber door comes standard with a door safety switch
- Machine has legs to set on top of a benchtop or the legs can be removed and the machine can be bolted directly to a benchtop

Thomas No.	Description
1171H10	Wiley® Mini Cutting Mill, 115V 50/60Hz
1173U48	Wiley® Variable Speed Mini Cutting Mill, 115/230V 50/60Hz (Dual Voltage)

Bottles

**labForce**
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Pre-Assembled Amber Boston Rounds with Phenolic Poly Cone Lined Cap
Amber color protects contents from UV Light



- Purchasing assembled bottles reduces sample contamination and streamlines ordering and inventory needs
- Polycone caps seal the inner neck of the bottle when screwed in place

Thomas No.	Description	Qty. Case
1163X66	1oz Amber Boston Round Assembled with 20-400 Black Phenolic Poly Cone Lined Cap, Bulk Case	432
1163X67	1oz Amber Boston Round Assembled with 20-400 Black Phenolic Poly Cone Lined Cap, Convenience Case	48
1163X68	2oz Amber Boston Round Assembled with 20-400 Black Phenolic Poly Cone Lined Cap, Bulk Case	288
1163X69	2oz Amber Boston Round Assembled with 20-400 Black Phenolic Poly Cone Lined Cap, Convenience Case	24
1163X70	4oz Amber Boston Round Assembled with 22-400 Black Phenolic Poly Cone Lined Cap, Bulk Case	160
1163X71	4oz Amber Boston Round Assembled with 22-400 Black Phenolic Poly Cone Lined Cap, Convenience Case	24
1163X72	8oz Amber Boston Round Assembled with 24-400 Black Phenolic Poly Cone Lined Cap, Bulk Case	108
1163X73	8oz Amber Boston Round Assembled with 24-400 Black Phenolic Poly Cone Lined Cap, Convenience Case	24
1163X74	16oz Amber Boston Round Assembled with 28-400 Black Phenolic Poly Cone Lined Cap, Bulk Case	60
1163X75	16oz Amber Boston Round Assembled with 28-400 Black Phenolic Poly Cone Lined Cap, Convenience Case	12
1163X76	32oz Amber Boston Round Assembled with 33-400 Black Phenolic Poly Cone Lined Cap	12

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Pre-Assembled Amber Boston Rounds with PTFE Lined Cap

The best choice for use with acids and corrosive liquids

- Purchasing assembled bottles reduces sample contamination and streamlines ordering and inventory needs
- Amber color protects contents from UV Light
- PTFE liners are inert



Thomas No.	Description	Qty. Case
1163X77	1oz Amber Boston Round Assembled with 20-400 PTFE Lined Cap, Bulk Case	432
1163X78	1oz Amber Boston Round Assembled with 20-400 PTFE Lined Cap, Convenience Case	48
1163X79	2oz Amber Boston Round Assembled with 20-400 PTFE Lined Cap, Bulk Case	288
1163X80	2oz Amber Boston Round Assembled with 20-400 PTFE Lined Cap, Convenience Case	24
1163X81	4oz Amber Boston Round Assembled with 22-400 PTFE Lined Cap, Bulk Case	160
1163X82	4oz Amber Boston Round Assembled with 22-400 PTFE Lined Cap, Convenience Case	24
1163X83	4oz Amber Boston Round Assembled with 22-400 PTFE Lined Cap, Convenience Case	108
1163X84	8oz Amber Boston Round Assembled with 24-400 PTFE Lined Cap, Convenience Case	24
1163X85	16oz Amber Boston Round Assembled with 28-400 PTFE Lined Cap, Bulk Case	60
1163X86	16oz Amber Boston Round Assembled with 28-400 PTFE Lined Cap, Convenience Case	12
1163X87	32oz Amber Boston Round Assembled with 33-400 PTFE Lined Cap	12

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Pre-Assembled Amber Boston Rounds with F-217 Foam Lined Cap

F-217 foam lined caps seal the bottle with the least oxygen transfer

- Purchasing assembled bottles reduces sample contamination and streamlines ordering and inventory needs
- Amber color protects contents from UV Light



Thomas No.	Description	Qty. Case
1163X88	1oz Amber Boston Round Assembled with 20-400 F-217 Lined Cap, Bulk Case	432
1163X89	1oz Amber Boston Round Assembled with 20-400 F-217 Lined Cap, Convenience Case	48
1163X90	2oz Amber Boston Round Assembled with 20-400 F-217 Lined Cap, Bulk Case	288
1163X91	2oz Amber Boston Round Assembled with 22-400 F-217 Lined Cap, Convenience Case	24
1163X92	4oz Amber Boston Round Assembled with 22-400 F-217 Lined Cap, Bulk Case	160
1163X93	4oz Amber Boston Round Assembled with 22-400 F-217 Lined Cap, Convenience Case	24
1163X94	8oz Amber Boston Round Assembled with 24-400 F-217 Lined Cap, Bulk Case	108
1163X95	8oz Amber Boston Round Assembled with 24-400 F-217 Lined Cap, Convenience Case	24
1163X96	16oz Amber Boston Round Assembled with 28-400 F-217 Lined Cap, Bulk Case	60
1163X97	16oz Amber Boston Round Assembled with 28-400 F-217 Lined Cap, Convenience Case	12
1163X98	32oz Amber Boston Round Assembled with 33-400 F-217 Lined Cap	12

Supplies

Bottles continued

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Pre-Assembled Clear Boston Rounds with F-217 Foam Lined Cap

F-217 foam lined caps seal the bottle with the least oxygen transfer

- Purchasing assembled bottles reduces sample contamination and streamlines ordering and inventory needs
- F-217 foam lined caps seal the bottle with the least oxygen transfer

Thomas No.	Description	Qty. Case
1162A45	1oz Clear Boston Round Assembled with 20-400 White F-217 Lined Cap, Bulk Case	432
1163A46	1oz Clear Boston Round Assembled with 20-400 White F-217 Lined Cap, Convenience Case	48
1163A47	2oz Clear Boston Round Assembled with 20-400 White F-217 Lined Cap, Bulk Case	288
1163A48	2oz Clear Boston Round Assembled with 20-400 White F-217 Lined Cap, Convenience Case	24
1163A49	4oz Clear Boston Round Assembled with 22-400 White F-217 Lined Cap, Bulk Case	160
1163A50	4oz Clear Boston Round Assembled with 22-400 White F-217 Lined Cap, Convenience Case	24
1163A51	8oz Clear Boston Round Assembled with 24-400 White F-217 Foam Lined Cap, Bulk Case	108
1163A52	8oz Clear Boston Round Assembled with 24-400 White F-217 Foam Lined Cap, Convenience Case	24
1163A53	16oz Clear Boston Round Assembled with 28-400 White F-217 Foam Lined Cap, Bulk Case	60
1163A54	16oz Clear Boston Round Assembled with 28-400 White F-217 Foam Lined Cap, Convenience Case	12
1163A55	32oz Clear Boston Round Assembled with 33-400 White F-217 Foam Lined Cap	12

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Pre-Assembled Clear Boston Rounds with Phenolic Poly Cone Lined Cap

Polycone caps seal the inner neck of the bottle when screwed in place

- Purchasing assembled bottles reduces sample contamination and streamlines ordering and inventory needs
- Polycone caps seal the inner neck of the bottle when screwed in place

Thomas No.	Description	Qty. Case
1162A56	1oz Clear Boston Round Assembled with 20-400 Black Phenolic Poly Cone Lined Cap, Bulk Case	432
1163A57	1oz Clear Boston Round Assembled with 20-400 Black Phenolic Poly Cone Lined Cap, Convenience Case	48
1163A58	2oz Clear Boston Round Assembled with 20-400 Black Phenolic Poly Cone Lined Cap, Bulk Case	288
1163A59	2oz Clear Boston Round Assembled with 20-400 Black Phenolic Poly Cone Lined Cap, Convenience Case	24
1163A60	4oz Clear Boston Round Assembled with 22-400 Black Phenolic Poly Cone Lined Cap, Bulk Case	160
1163A61	4oz Clear Boston Round Assembled with 22-400 Black Phenolic Poly Cone Lined Cap, Convenience Case	24
1163A62	8oz Clear Boston Round Assembled with 24-400 Black Phenolic Poly Cone Lined Cap, Bulk Case	108
1163A63	8oz Clear Boston Round Assembled with 24-400 Black Phenolic Poly Cone Lined Cap, Convenience Case	24
1163A64	16oz Clear Boston Round Assembled with 28-400 Black Phenolic Poly Cone Lined Cap, Bulk Case	60
1163A65	16oz Clear Boston Round Assembled with 28-400 Black Phenolic Poly Cone Lined Cap, Convenience Case	12
1163A66	32oz Clear Boston Round Assembled with 33-400 Black Phenolic Poly Cone Lined Cap	12

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Pre-Assembled Clear Boston Rounds with PTFE Lined Cap

PTFE lined cap is inert making it a great option for use with strong acids and corrosive liquid

- Purchasing assembled bottles reduces sample contamination and streamlines ordering and inventory needs

Thomas No.	Description	Qty. Case
1162A67	1oz Clear Boston Round Assembled with 20-400 White PP PTFE Lined Cap, Bulk Case	432
1163A68	1oz Clear Boston Round Assembled with 20-400 White PP PTFE Lined Cap, Convenience Case	48
1163A69	2oz Clear Boston Round Assembled with 20-400 White PP PTFE Lined Cap, Bulk Case	288
1163A70	2oz Clear Boston Round Assembled with 20-400 White PP PTFE Lined Cap, Convenience Case	24
1163A71	4oz Clear Boston Round Assembled with 22-400 White PP PTFE Lined Cap, Bulk Case	160
1163A72	4oz Clear Boston Round Assembled with 22-400 White PP PTFE Lined Cap, Convenience Case	24
1163A73	8oz Clear Boston Round Assembled with 24-400 White PP PTFE Lined Cap, Bulk Case	108
1163A74	8oz Clear Boston Round Assembled with 24-400 White PP PTFE Lined Cap, Convenience Case	24
1163A75	16oz Clear Boston Round Assembled with 28-400 White PP PTFE Lined Cap, Bulk Case	60
1163A76	16oz Clear Boston Round Assembled with 28-400 White PP PTFE Lined Cap, Convenience Case	12
1163A77	32oz Clear Boston Round Assembled with 33-400 White PP PTFE Lined Cap	12

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Natural HDPE Juice Style Bottles

These narrow mouth bottles are used for liquids

- The F-217 foam lined caps seal with the least oxygen transfer

Thomas No.	Description	Qty. Case
1159K70	16oz Natural HDPE Juice Style Bottle, Assembled with 38-400 F-217 Lined Cap	12
1159K71	32oz Natural HDPE Juice Style Bottle, Assembled with 38-400 F-217 Lined Cap	75

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Natural HDPE Cylinder Bottles

The F-217 foam lined caps seal with the least oxygen transfer

- Purchasing assembled bottles reduces sample contamination

Thomas No.	Description	Qty. Case
1159K72	4oz Natural HDPE, Assembled with 24-410 F-217 Lined Cap	728
1159K73	8oz Natural HDPE, Assembled with 24-410 F-217 Lined Cap	351
1159K74	16oz Natural HDPE, Assembled with 24-410 F-217 Lined Cap	340
1159K75	32oz Natural HDPE, Assembled with 28-410 F-217 Lined Cap	152

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2 Liter Natural HDPE Round Bottles

Wide-mouth lab bottle for filling ease and is used for liquid and sample storage

- HDPE body for transparency and low-temperature, impact and moisture resistance
- White polypropylene screw cap secures contents to help prevent spills and evaporation

Thomas No.	Description	Qty. Case
1171H69	2 Liter (2000mL) Natural HDPE Round Bottle with a 63/485 White PP Heavy Duty Cap	18

Bottles continued



Pre-Assembled Natural HDPE Wide Mouth Packers with F-217 Foam Lined Cap

These wide mouth bottles are used for both liquids and solids

- Purchasing assembled bottles reduces sample contamination and streamlines ordering and inventory needs
- These wide mouth bottles are used for both liquids and solids
- The F-217 foam lined caps seal with the least oxygen transfer



Thomas No.	Description	Qty. Case
1163Z70	60mL Natural HDPE Wide Mouth Packer Assembled with 33-400 F-217 Foam Lined Cap	1000
1163Z71	20mL Natural HDPE Wide Mouth Packer Assembled with 38-400 F-217 Foam Lined Cap, Bulk Case	450
1163Z72	120mL Natural HDPE Wide Mouth Packer Assembled with 38-400 F-217 Foam Lined Cap, Convenience Case	24
1163Z73	250mL Natural HDPE Wide Mouth Packer Assembled with 45-400 F-217 Foam Lined Cap, Bulk Case	200
1163Z74	250mL Natural HDPE Wide Mouth Packer Assembled with 45-400 F-217 Foam Lined Cap, Convenience Case	24
1163Z75	500mL Natural HDPE Wide Mouth Packer Assembled with 53-400 F-217 Foam Lined Cap, Bulk Case	196
1163Z76	500mL Natural HDPE Wide Mouth Packer Assembled with 53-400 F-217 Foam Lined Cap, Convenience Case	12
1163Z77	950mL Natural HDPE Wide Mouth Packer Assembled with 53-400 F-217 Foam Lined Cap, Bulk Case	84
1163Z78	950mL Natural HDPE Wide Mouth Packer Assembled with 53-400 F-217 Foam Lined Cap, Convenience Case	12



Pre-Assembled Amber Wide Mouth Packers with F-217 Foam Lined Cap

These wide mouth bottles are used for both liquids and solids

- Purchasing assembled bottles reduces sample contamination and streamlines ordering and inventory needs
- The F-217 foam lined caps seal with the least oxygen transfer



Thomas No.	Description	Qty. Case
1163Z79	15mL Amber Wide Mouth Packer Assembled with 28-400 F-217 Foam Lined Cap	624
1163Z80	30mL Amber Wide Mouth Packer Assembled with 28-400 F-217 Foam Lined Cap, Bulk Case	432
1163Z81	120mL Natural HDPE Wide Mouth Packer Assembled with 38-400 F-217 Foam Lined Cap	24
1163Z82	250mL Natural HDPE Wide Mouth Packer Assembled with 45-400 F-217 Foam Lined Cap, Bulk Case	216
1163Z83	250mL Natural HDPE Wide Mouth Packer Assembled with 45-400 F-217 Foam Lined Cap, Convenience Case	24
1163Z84	500mL Natural HDPE Wide Mouth Packer Assembled with 53-400 F-217 Foam Lined Cap, Bulk Case	24
1163Z85	500mL Natural HDPE Wide Mouth Packer Assembled with 53-400 F-217 Foam Lined Cap, Convenience Case	24
1163Z86	950mL Natural HDPE Wide Mouth Packer Assembled with 53-400 F-217 Foam Lined Cap, Bulk Case	96
1163Z87	950mL Natural HDPE Wide Mouth Packer Assembled with 53-400 F-217 Foam Lined Cap, Convenience Case	12
1163Z87	1000mL Amber Wide Mouth Packer Assembled with 53-400 F-217 Foam Lined Cap	12
1163Z88	1.25L Amber Wide Mouth Packer Assembled with 70-400 F-217 Foam Lined Cap	12
1163Z89	1.25L Amber Wide Mouth Packer Assembled with 70-400 F-217 Foam Lined Cap	24



Pre-Assembled Amber Wide Mouth Packers with PTFE Lined Cap

Amber color protects light sensitive materials

- Purchasing assembled bottles reduces sample contamination and streamlines ordering and inventory needs
- PTFE lined cap is inert and is excellent choice for use with strong acids and corrosive materials



Thomas No.	Description	Qty. Case
1163Z90	15mL Amber Wide Mouth Packer Assembled with 28-400 PTFE Lined Cap	624
1163Z91	30mL Amber Wide Mouth Packer Assembled with 28-400 PTFE Lined Cap, Bulk Case	432
1163Z92	30mL Amber Wide Mouth Packer Assembled with 28-400 PTFE Lined Cap, Convenience Case	24
1163Z93	60mL Amber Wide Mouth Packer Assembled with 33-400 PTFE Lined Cap, Bulk Case	216
1163Z94	60mL Amber Wide Mouth Packer Assembled with 33-400 PTFE Lined Cap, Convenience Case	24
1163Z95	120mL Amber Wide Mouth Packer Assembled with 38-400 PTFE Lined Cap	24
1163Z96	250mL Amber Wide Mouth Packer Assembled with 38-400 PTFE Lined Cap	24
1163Z97	300mL Amber Wide Mouth Packer Assembled with 53-400 PTFE Lined Cap	96
1163Z98	500mL Amber Wide Mouth Packer Assembled with 53-400 PTFE Lined Cap	12
1163Z99	1000mL Amber Wide Mouth Packer Assembled with 53-400 PTFE Lined Cap	12
1163A00	1.25L Amber Wide Mouth Packer Assembled with 70-400 PTFE Lined Cap	24



Pre-Assembled Amber Wide Mouth Packers with F-217 Foam Lined Cap

Made from translucent HDPE Resin

- Same dimension with PP linerless cap as Nalgene
- Leak-proof
- Lab grade quality at packaging costs
- 1000mL size bottle available in both wide and narrow mouth



Thomas No.	Description	Qty. Case
1162D42	1000mL HDPE Leakproof Wide Mouth Bottle, Unassembled with 63-415 Linerless Cap in Box	50
1162D43	1000mL HDPE Leakproof Wide Mouth Bottle, with 63-415 Linerless Cap in Box, Assembled Only	50
1171H27	1000mL HDPE Leakproof Narrow Mouth Bottle, Unassembled w/ 38-430 Linerless Cap in Box	56
1171H28	1000mL HDPE Leakproof Narrow Mouth Bottle, w/ 38-430 Linerless Cap, Assembled Only	56
1171H31	250mL Natural HDPE Wide Mouth Packer Assembled with 45-400 F-217 Foam Lined Cap, Convenience Case	125
1171H32	500mL Natural HDPE Wide Mouth Packer Assembled with 53-400 F-217 Foam Lined Cap, Bulk Case	125
1171H33	500mL Natural HDPE Wide Mouth Packer Assembled with 53-400 F-217 Foam Lined Cap, Convenience Case	18
1171H38	950mL Natural HDPE Wide Mouth Packer Assembled with 53-400 F-217 Foam Lined Cap, Bulk Case	250
1171H39	950mL Natural HDPE Wide Mouth Packer Assembled with 53-400 F-217 Foam Lined Cap, Convenience Case	250
1171H40	1000mL Amber Wide Mouth Packer Assembled with 53-400 F-217 Foam Lined Cap	28
1171H45	1.25L Amber Wide Mouth Packer Assembled with 70-400 F-217 Foam Lined Cap	500
1171W85	125mL HDPE Leakproof Wide Mouth Bottle, w/ 38-415 Linerless Cap, Assembled Only	500
1171H49	125mL HDPE Leakproof Wide Mouth Bottle, w/ 38-415 Linerless Cap, Assembled Only, Repack	40

Supplies

Bottles continued

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Natural HDPE Oblong Bottles

Oblong shape for space-efficient storage

- Commonly for use in applications that require a wide width, shallow depth and a small neck



Thomas No.	Description	Qty. Case
1171H52	1L Natural HDPE Oblong Bottle, Graduated in 100mL Increments, Assembled w/ 53-400 F-217 Lined Cap	12
1171H54	1L Natural HDPE Oblong Bottle, Graduated in 100mL Increments, Assembled w/ 53-400 F-217 Lined Cap	75

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Natural HDPE Juice Style Bottles

The F-217 foam lined caps seal with the least oxygen transfer

- Purchasing assembled bottles reduces sample contamination
- These narrow mouth bottles are used for liquids



Thomas No.	Description	Qty. Case
1166C07	8oz Natural HDPE, Assembled w/38-400 F-217 Lined Cap	500
1163A57	16oz Natural HDPE, Assembled w/38-400 F-217 Lined Cap	500
1163A58	32oz Natural HDPE, Assembled w/38-400 F-217 Lined Cap	500

Bottle Top Filters

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Solvent Filtration Disposable Vacuum Bottle Top Filters

Our wide variety of membrane materials, pore sizes, and funnel volumes allows you to easily find a filter that's best for your application

- Solvent Filtration Bottle Top Vacuum Filters offer a revolutionary approach to bulk solvent filtration
- FDA-grade Polypropylene housing provides vastly improved chemical compatibility over the usual Polystyrene bottle top filter



Thomas No.	Description	Qty. Case
1162D94	Solvent Filtration Disposable Vacuum Bottle Top Filter, 0.2um Sterilizing Nylon Membrane, 500mL, GL45 Thread, Polypropylene Housing, Non-Sterile	12
1162D95	Solvent Filtration Disposable Vacuum Bottle Top Filter, 0.2um Sterilizing PTFE Membrane, 500mL, GL45 Thread, Polypropylene Housing, Non-Sterile	12
1162D96	Solvent Filtration Disposable Vacuum Bottle Top Filter, 0.2um Sterilizing PES Membrane, 500mL, GL45 Thread, Polypropylene Housing, Non-Sterile	12
1162D97	Solvent Filtration Disposable Vacuum Bottle Top Filter, 0.45um Nylon Membrane for Clarification and Prefiltration, 500mL, GL45 Thread, Polypropylene Housing, Non-Sterile	12
1162D98	Solvent Filtration Disposable Vacuum Bottle Top Filter, 0.45um PTFE Membrane for Clarification and Prefiltration, 500mL, GL45 Thread, Polypropylene Housing, Non-Sterile	12
1162D99	Solvent Filtration Disposable Vacuum Bottle Top Filter, 0.2um Sterilizing Nylon Membrane, 1000mL, GL45 Thread, Polypropylene Housing, Non-Sterile	12
1162F00	Solvent Filtration Disposable Vacuum Bottle Top Filter, 0.2um Sterilizing PTFE Membrane, 1000mL, GL45 Thread, Polypropylene Housing, Non-Sterile	12

Jars

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Clear & Amber Straight Sided Jars

Amber color protects light sensitive materials

- Purchasing assembled jars reduces sample contamination and streamlines ordering and inventory need
- The PTFE lined cap is inert making it a great option for use with strong acids and corrosive materials

Thomas No.	Description	Qty. Case
1163X99	2oz Clear Straight Sided Jar Assembled with 53-400 PTFE Lined Cap	24
1163Y00	4oz Clear Straight Sided Jar Assembled with 58-400 PTFE Lined Cap	24
1163Y01	8oz Clear Straight Sided Jar Assembled with 70-400 PTFE Lined Cap	24
1163Y02	32oz Clear Straight Sided Jar Assembled with 89-400 PTFE Lined Cap	12
1163Y03	2oz Amber Straight Sided Jar Assembled with 53-400 PTFE Lined Cap	12
1163Y04	2oz Amber Straight Sided Jar Assembled with 53-400 PTFE Lined Cap	24
1163Y05	4oz Amber Straight Sided Jar Assembled with 58-400 PTFE Lined Cap	24
1163Y06	8oz Amber Straight Sided Jar Assembled with 70-400 PTFE Lined Cap	24
1163Y07	16oz Amber Straight Sided Jar Assembled with 89-400 PTFE Cap	12
1163Y08	32oz Amber Straight Sided Jar Assembled with 89-400 PTFE Cap	12
1163Y09	2oz Amber Straight Sided Jar Assembled with 53-400 F-217 Cap	24
1163Y10	4oz Amber Straight Sided Jar Assembled with 58-400 F-217 Cap	24
1163Y11	8oz Amber Straight Sided Jar Assembled with 70-400 F-217 Cap	24
1163Y12	16oz Amber Straight Sided Jar Assembled with 89-400 F-217 Cap	12
1163Y13	32oz Amber Straight Sided Jar Assembled with 89-400 F-217 Cap	12
1163Y14	2oz Clear Straight Sided Jar Assembled with 53-400 F-217 Cap	24
1163Y15	4oz Clear Straight Sided Jar Assembled with 58-400 F-217 Cap	24
1163Y16	8oz Clear Straight Sided Jar Assembled with 70-400 F-217 Cap	24
1163Y17	16oz Clear Straight Sided Jar Assembled with 89-400 F-217 Cap	12
1163Y18	32oz Clear Straight Sided Jar Assembled with 89-400 F-217 Cap	12

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Natural HDPE Straight Sided Jars

These wide mouth jars are used for creams, pastes and solids

- Purchasing assembled jars reduces sample contamination and streamlines ordering and inventory needs
- The contents can be easily removed from the straight sided jar
- The F-217 foam lined caps seal with the least oxygen transfer

Thomas No.	Description	Qty. Case
1159K76	4oz Natural HDPE Straight Sided Jar, Assembled with 70-400 F-217 Lined Cap	400
1159K77	8oz Natural HDPE Straight Sided Jar, Assembled with 70-400 F-217 Lined Cap	260
1159K78	16oz Natural HDPE Straight Sided Jar, Assembled with 89-400 F-217 Lined Cap	189
1159K79	32oz Natural HDPE Straight Sided Jar, Assembled with 89-400 F-217 Lined Cap	108

Jars continued

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Pre-Assembled Clear Tall Wide Mouth Jars

Purchasing assembled jars reduces sample contamination and streamlines ordering and inventory needs



- You can completely empty the contents of these straight sided jars

Choice of three caps:

- The F-217 foam lined cap provides a seal with the least oxygen transfer
- The poly cone lined cap seals both the top and inner neck of the jar
- The PTFE lined cap is inert and is a perfect choice to store acidic or corrosive materials

Thomas No.	Description	Qty. Case
1162A78	2oz Clear Tall WM AC Jar Assembled with 33-400 White PP F-217 Foam Lined Cap	288
1162A79	2oz Clear Tall WM AC Jar Assembled with 33-400 Black Phenolic Poly Cone Lined Cap	288
1162A80	2oz Clear Tall WM AC Jar Assembled with 33-400 White PP PTFE Lined Cap	288
1162A81	4oz Clear Tall WM AC Jar Assembled with 48-400 White PP F-217 Foam Lined Cap, Bulk Case	144
1162A82	4oz Clear Tall WM AC Jar Assembled with 48-400 White PP F-217 Foam Lined Cap, Convenience Pack	24
1162A83	4oz Clear Tall WM AC Jar Assembled with 48-400 White PP PTFE Lined Cap, Bulk Case	144
1162A84	4oz Clear Tall WM AC Jar Assembled with 48-400 White PP PTFE Lined Cap, Convenience Pack	24
1162A85	8oz Clear Tall WM Paragon Jar Assembled with 58-400 White PP F-217 Foam Lined Cap, Convenience Pack	24
1162A86	8oz Clear Tall WM Paragon Jar Assembled with 58-400 White PP PTFE Lined Cap, Convenience Pack	288
1162A87	16oz Clear Tall WM Paragon Jar Assembled with 63-400 White PP F-217 Foam Lined Cap, Convenience Pack	12
1162A88	16oz Clear Tall WM Paragon Jar Assembled with 63-400 White PP PTFE Lined Cap, Convenience Pack	12

Jugs

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Natural HDPE Bleach Style Jugs

These narrow mouth bottles are used for liquids

- Purchasing assembled jars reduces sample contamination and streamlines ordering and inventory needs
- The F-217 foam lined caps seal with the least oxygen transfer



Thomas No.	Description	Qty. Case
1159K80	64oz (1/2 gallon) Natural HDPE Bleach Style Jug, Assembled with 38-400 F-217 Lined Cap	40
1159K81	128oz (1 gallon) Natural HDPE Bleach Style Jug, Assembled with 38-400 F-217 Lined Cap	40
1159K82	128oz (1 gallon) Natural HDPE Bleach Style Jug, Assembled with 38-400 F-217 Lined Cap (Convenience Pack)	24

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Squat Quarts HDPE Screw Top Jugs

These narrow mouth bottles are used for liquids



- Purchasing assembled jars reduces sample contamination and streamlines ordering and inventory needs
- These narrow mouth bottles are used for liquids
- The F-217 foam lined caps seal with the least oxygen transfer

Thomas No.	Description	Qty. Case
1159K83	32oz Squat Quarts HDPE Screw Top Jug, Assembled with 38-400 PP F217 Cap	162

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Natural HDPE Dairy Style Jugs

These narrow mouth bottles are used for liquids



- Purchasing assembled jars reduces sample contamination and streamlines ordering and inventory needs
- The F-217 foam lined caps seal with the least oxygen transfer

Thomas No.	Description	Qty. Case
1159K84	64oz (1/2 gallon) Natural HDPE Dairy Style Jug, Assembled with 38-400 F-217 Lined Cap	54
1159K85	128oz (1 gallon) Natural HDPE Dairy Style Jug, Assembled with 38-400 F-217 Lined Cap	24

Microscope Slides/Cover Glass



Thomas
BRAND

Thomas® White Glass Color Frosted Microscope Slides

Our Thomas® White Glass microscope slides are pre-cleaned and ready to use



- Produced from the finest quality optical white glass
- Color coded on one end, one side
- Dimensions: 25 x 75mm
- Thickness: 1mm
- Packed in high-quality white plastic boxes

Thomas No.	Description	Qty. Box	Qty. Case
1169W08	Microscope Slide, Glass, White Frost, 25 x 75mm	72	1440

Thomas
BRAND

Thomas® White Glass Frosted Microscope Slides

Our Thomas® White Glass microscope slides are pre-cleaned and ready to use



- Produced from the finest quality optical white glass
- Chemically etched frosting
- Dimensions: 25 x 75mm
- Thickness: 1mm
- Packaging: 72/plastic box, 20 boxes/case (10/gross)

Thomas No.	Description	Qty. Box	Qty. Case
1169W07	Microscope Slide, Glass, Frost, 25 x 75mm	72	1440

Supplies

Microscope Slides/Cover Glass continued

Thomas[®]
B R A N D

Thomas[®] Microscope Cover Glass

Each flip top pack contains a desiccant and is wrapped in aluminum to prevent sticking

Available in two thicknesses:

- No. 1: 0.14mm
- No. 1.5: 0.175mm

Pack and Case:

- 1/Pk = 1 ounce
- 10/Cs = 10 ounces

Thomas No.	Description	Qty. Pk.	Qty. Case
1169W09	Cover Glass, 22 x 22mm, No. 1, 1 oz.	1	10
1169W10	Cover Glass, 22 x 22mm, No. 1.5, 1 oz.	1	10
1169W11	Cover Glass, 22 x 22mm, No. 1, 1 oz.	1	10
1169W12	Cover Glass, 22 x 22mm, No. 1, 1 oz.	1	10



Petri Dishes

labForce
powered by Thomas Scientific

Sterile Petri Dishes

Generic Sterile Petri Dishes are available in stackable and slippable form

- Optically clear
- Vented lids for air circulation
- Radiation sterilized

Thomas No.	Description	Qty. Case
1188N80	Petri Dish, 100 x 15mm, Slippable, Sterile, 20/500	500
1188N81	Petri Dish, 100 x 15mm, Stackable, Sterile, Bulk, 25/500	500
1188N82	Petri Dish, 60 x 15mm, Stackable, Sterile, 25/500	500
1188N83	Petri Dish, 150 x 15mm, Slippable, Sterile, Bulk, 10/100	100



Pipet Tips

Thomas[®]
B R A N D

Bulk Pipet Tips

Tips for truly accurate sample delivery

- Protect your work from contamination with one of the industry's most efficient aerosol barrier assemblies
- Proven range of filter pipette tips, reliably prevent aerosol transfer

Thomas No.	Description	Qty. Pk.	Qty. Case
1181F63	Pipet Tips, 200µL, Graduated, Low Retention, Bulk (1000 tips/pack)	1000	10000
1182T28	Micro Tips, 10µL, Bulk (1000 tips/pack)	1000	20000
1182T29	Pipet Tips, 200µL, Bulk (1000 tips/pack)	1000	10000
1182T30	Pipet Tips, 200µL, Yellow, Bulk (1000 tips/pack)	1000	10000
1182T31	Pipet Tips, 1000µL, Bulk (1000 tips/pack)	1000	4000
1182T32	Pipet Tips, 1000µL, Blue, Bulk (1000 tips/pack)	1000	4000



Thomas[®]
B R A N D

Pre-Sterile Racked Pipet Tips

Tips for truly accurate sample delivery

- Virtually eliminate sample retention with our low retention polymer pipette tips
- Get reliable results with pipette tips that are certified free of RNase, DNase and endotoxins

Thomas No.	Description	Qty. Pk.	Qty. Case
1182T07	10µL, Pre-Sterile, Racked (10 Racks of 96 per Pack)	960	4800
1182T08	10XL, Pre-Sterile, Racked (10 Racks of 96 per Pack)	960	4800
1182T09	200µL, Pre-Sterile, Racked (10 Racks of 96 per Pack)	960	4800
1182T10	1000µL, Pre-Sterile, Racked (8 Racks of 96 per Pack)	768	3840
1182T11	1250µL, Pre-Sterile, Racked (8 Racks of 96 per Pack)	768	3840



Thomas[®]
B R A N D

Non-Sterile Racked Pipet Tips

Tips for truly accurate sample delivery

- Virtually eliminate sample retention with our low retention polymer pipette tips
- Get reliable results with pipette tips that are certified free of RNase, DNase and endotoxins

Thomas No.	Description	Qty. Pk.	Qty. Case
1182T12	10µL, Non-Sterile, Racked (10 Racks of 96 per Pack)	960	4800
1182T13	10XL, Non-Sterile, Racked (10 Racks of 96 per Pack)	960	4800
1182T14	200µL, Non-Sterile, Racked (10 Racks of 96 per Pack)	960	4800
1182T15	1000µL, Non-Sterile, Racked (8 Racks of 96 per Pack)	768	3840
1182T16	1250µL, Non-Sterile, Racked (8 Racks of 96 per Pack)	768	3840



Thomas[®]
B R A N D

Non-Sterile Low Retention Reload Pipet Tips

Tips for truly accurate sample delivery

- Generate reproducible results in minimal time, with minimal fuss
- Virtually eliminate sample retention with our low retention polymer pipette tips

Thomas No.	Description	Qty. Pk.	Qty. Case
1182T22	10µL, Non-Sterile, Low Retention, Reloads	960	4800
1182T23	10XL, Non-Sterile, Low Retention, Reloads	960	4800
1182T24	200µL, Non-Sterile, Low Retention, Reloads	960	4800
1182T25	1000µL, Non-Sterile, Low Retention, Reloads	768	3840
1182T26	1250µL, Non-Sterile, Low Retention, Reloads	768	3840



Thomas[®]
B R A N D

Pre-Sterile Low Retention Racked Pipet Tips

Tips for truly accurate sample delivery

- Generate reproducible results in minimal time, with minimal fuss
- Virtually eliminate sample retention with our low retention polymer pipette tips
- Get reliable results with pipette tips that are certified free of RNase, DNase and endotoxins

Thomas No.	Description	Qty. Pk.	Qty. Case
1182T17	10µL, Pre-Sterile, Low Retention, Racked (10 Racks of 96 per Pack)	960	4800
1182T18	10XL, Pre-Sterile, Low Retention, Racked (10 Racks of 96 per Pack)	960	4800
1182T19	200µL, Pre-Sterile, Low Retention, Racked (10 Racks of 96 per Pack)	960	4800
1182T20	1000µL, Pre-Sterile, Low Retention, Racked (8 Racks of 96 per Pack)	960	4800
1182T21	1250µL, Pre-Sterile, Low Retention, Racked (8 Racks of 96 per Pack)	960	4800



Pipet Tips continued

Thomas
BRAND**Pre-Sterile Low Retention Racked
Filter Pipet Tips***Tips that give you complete peace of mind*

- Protect your work from contamination with one of the industry's most efficient aerosol barrier assemblies
- Use of polymer technology that is designed to increase pipetting accuracy by virtually eliminating sample retention



Thomas No.	Description	Qty. Pk.	Qty. Case
1182R95	Filter Pipet Tips, 10μL, Pre-Sterile, Low Retention, Racked (10 Racks of 96 per Pack)	960	4800
1182R96	Filter Pipet Tips, 10XL, Pre-Sterile, Low Retention, Racked (10 Racks of 96 per Pack)	960	4800
1182R97	Filter Pipet Tips, 20μL, Pre-Sterile, Low Retention, Racked (10 Racks of 96 per Pack)	960	4800
1182R98	Filter Pipet Tips, 100μL, Pre-Sterile, Low Retention, Racked (10 Racks of 96 per Pack)	960	4800
1182R99	Filter Pipet Tips, 200μL, Pre-Sterile, Low Retention, Racked (10 Racks of 96 per Pack)	960	4800
1182T00	Filter Pipet Tips, 1000μL, Pre-Sterile, Low Retention, Racked (8 Racks of 96 per Pack)	960	4800
1182T01	Filter Pipet Tips, 1250μL, Pre-Sterile, Low Retention, Racked (8 Racks of 96 per Pack)	960	4800

Plates

labForce
powered by Thomas Scientific**96-Well Deep Round and Square Plates****96-Well Deep Round – Raised Rim – 1mL**

- DNase/RNase Free
- Can be stored at 80°C
- Manufactured from pre-tested polypropylene for low extractables



Thomas No.	Description	Qty. Pk.	Qty. Case
1159Q90	96 Deep square well, 1mL/well, Polypropylene, square well, DNase/RNase free, inner bag of 5	5	50
1159Q91	96 Deep square well, 350μL/well, Polypropylene, square well, DNase/ RNase free, inner pack of 5	5	50
1159Q92	96 Deep Square Well, 2mL/well, Polypropylene, Pyramid Bottom, DNase/ RNase Free, inner pack of 5	5	50

96-Well Deep – Raised Well – 350μL, 1mL and 2mL per well

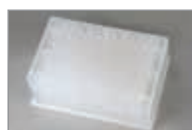
- Manufactured from virgin polypropylene
- Conical base helps in sample concentration, reconstitution and centrifugation
- Raised rims improves heat sealing



Thomas No.	Description	Qty. Pk.	Qty. Case
1159Q93	2mL Square well toughened genomics plate	5	50

96-Well Deep Round – Common Wall – 2mL per well

- Manufactured from pre-tested polypropylene for low extractables
- "Common Wall" design allows the highest possible volume to be used while maintaining an overhang height of 45mm



Thomas No.	Description	Qty. Pk.	Qty. Case
1159Q95	96 Deep Round Well Plate, 2mL per well, Polypropylene, Common Wall, Rimless, DNase/ RNase free	5	50
1159Q96	96 Deep Round Well Plate, 1mL per well, Polypropylene, Raised Rim, RNase/RNase free	5	50

labForce
powered by Thomas Scientific**EVA Sealing Caps***The labForce plates have been designed to simplify the interchanging of plates in automated systems*

- DNase/ RNase free
- Caps are made to individually fit both square and round 96-Well plates

Thomas No.	Description	Qty. Case
1159Q94	EVA Sealing Cap, 96 Square Well (use with labForce 1159Q93)	50
1159Q97	EVA Sealing Cap, 96 Square Well (use with labForce 1159Q96)	50

Serological Pipets

labForce
powered by Thomas Scientific**Serological Pipets***Available in 1mL, 2mL, 5mL, 10mL, 25mL and 50mL*

- Certified for ScienceSM - pipets are clean room manufactured, gamma irradiated to SAL 10-6, certified free from DNase, RNase, and Pyrogens
- Reverse graduations for convenient aspiration and dispensing
- Both the pipets and individual pipet wrappers are color coded for easy volume identification
- Negative graduations on all sizes and to -10mL on 25mL and 50mL pipet
- Pipettes are designed with anti-drip tips
- Calibrations are To Deliver (TD) and certified for accuracy of +/- 2% at full volume
- Lot numbers and expiration dates conveniently printed on pipet wrappers
- Fit all major brands of pipette controllers
- Packaged in a reinforced, environmentally friendly, brown corrugated box
- Individually wrapped pipets are packaged in paper/plastic packaging for easy peel apart or pop-through pipet removal



Thomas No.	Description	Qty. Case
1163Y19	Serological Pipet, 1mL, Individually Wrapped, 1/100 Divisions, Yellow Band, Sterile, 100/bag	500
1163Y20	Serological Pipet, 2mL, Individually Wrapped, 1/100 Divisions, Green Band, Sterile, 100/bag	500
1163Y21	Serological Pipet, 5mL, Individually Wrapped, 1/10 Divisions, Blue Band, Sterile, 50/bag	200
1163Y22	Serological Pipet, 10mL, Individually Wrapped, 1/10 Divisions, Orange Band, Sterile, 50/bag	200
1163Y23	Serological Pipet, 25mL, Individually Wrapped, 2/10 Divisions, Red Band, Sterile, 50/bag	200
1163Y24	Serological Pipet, 50mL, Individually Wrapped, 5/10 Divisions, Purple Band, Sterile, 30/bag	100
1163Y25	Serological Pipet, 1mL, Bulk Packed, 1/100 Divisions, Yellow Band, Sterile, 25/bag	500
1163Y26	Serological Pipet, 2mL, Bulk Packed, 1/100 Divisions, Green Band, Sterile, 25/bag	500
1163Y27	Serological Pipet, 5mL, Bulk Packed, 1/10 Divisions, Blue Band, Sterile, 25/bag	500
1163Y28	Serological Pipet, 10mL, Bulk Packed, 1/10 Divisions, Orange Band, Sterile, 25/bag	500
1163Y29	Serological Pipet, 25mL, Bulk Packed, 2/10 Divisions, Red Band, Sterile, 25/bag	200
1163Y30	Serological Pipet, 50mL, Bulk Packed, 5/10 Divisions, Purple Band, Sterile, 25/bag	100

Supplies

Thermometers

Thomas
BRAND

Traceable® Refrigerator/Freezer Thermometer

Accurately measures temperature in freezers, refrigerators, incubators, water baths and heating blocks

- Enclosed "temperature buffered" sensor
- Range: -50 to 70°C (-58 to 158°F)
- Resolution: 1°C; accuracy: ±1°C
- Resolution: 1°C; accuracy: ±1°C
- Glycol bottle insulates sensor from rapid temperature changes
- High-impact, chemical-resistant ABS case



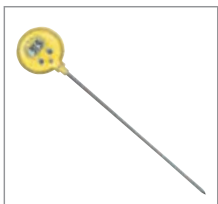
Thomas No.	Description
9327L12	Traceable® Refrigerator / Freezer Thermometer w / Bottle Probe
1235D07	Traceable® Refrigerator / Freezer Therm 0.1

Thomas
BRAND

Traceable® Lollipop Shock/Waterproof Thermometer

Traceable® Lollipop thermometers are suitable for use indoors or outdoors, in wet labs and virtually all field applications.

- Ideal for indoor/outdoor use
- Minimum/maximum memory
- Temperature range is -58° to 572°F and -50° to 300°C
- Provided with an individually serial numbered Traceable® certificate from an ISO 17025 calibration laboratory accredited by A2LA



Thomas No.	Description
1235D23	Traceable® Waterproof Thermometer ±1°C Accuracy

Thomas
BRAND

Traceable® Memory Monitor Thermometer

May be used for liquids, air/gas, semi-solids, water baths and refrigerator

- Min and max temperature memory
- Hi and low temperature alarm
- Accurately monitor temperatures in freezers, water baths, heating blocks, incubators, and refrigerators with this enclosed temperature-buffered sensor
- May be used for liquids, air/gas, semi-solids, water baths and refrigerators



Thomas No.	Description
9338E60	Memory Monitor Thermometer

Thomas
BRAND

Traceable® Snap-In Module With Probe

Temperature range is -58° to 572°F and -50° to 300°C

- Temperature range is -58° to 572°F and -50° to 300°C
- Resolution is 1°
- Accuracy is ±1°C between -20° to 100°C
- Minimum/maximum memory



Thomas No.	Description
1235D28	Traceable® Snap-In-Thermometer Module

Thomas
BRAND

Traceable® Jumbo Humidity/Temperature Meter

Self-contained, stable and accurate unit requires no adjustments or maintenance

- Measures in °C or °F
- External temperature sensor works underwater
- NIST Traceable® certificate included
- Jumbo 1 1/8" display



Thomas No.	Description
6066N53	Traceable® Jumbo Thermo-Hygrometer

Thomas
BRAND

Thomas Traceable Long Stem And Extra Long Stem Digital Thermometers

Switchable thermometers fit into cuvettes, test tubes, flasks and beakers

- Chemical resistant probe
- Safer than mercury thermometers
- Large, bright LCD
- Stainless steel probe is resistant to most laboratory chemicals
- Switchable thermometers fit into cuvettes, test tubes, flasks and beakers



Thomas No.	Description
9329H01	Thermometer Digital C / F

Timers

Thomas
BRAND

4-Channel Alarm Timer

Features also include stopwatch, time out and time of day clock. Utilize all four channels at once in any combination to count down or up (stopwatch)

- Easy on the eyes
- High-decibel alarm
- NIST Traceable® certificate
- Perfect for repetitive testing
- Supplied with a 2-year silver oxide battery



Thomas No.	Description
9371W52	4-Channel Alarm Timer

Thomas
BRAND

Thermometer / Clock

Unique unit simultaneously displays time of day, temperature, and humidity

- Internal sensor
- Measures in both Fahrenheit and Celsius
- At the touch of a button, memory recalls highest and lowest temperature and humidity readings
- Temperature range is 32.0 to 122.0°F and 0.0 to 50.0°C



Thomas No.	Description
9337T07	Thermometer / Clock

Timers continued

**Thomas[®]
BRAND**

Traceable[®] Digital Stopwatch
 Quartz-crystal design is accurate to
 0.0005%—over 100 times more accurate
 than other stopwatches



- Traceable to NIST for accuracy
- Ten-hour timing
- Made for scientists in industrial, educational, hospital, and governmental labs
- Tough, water-resistant ABS plastic case
- Engineered for ease of operation, accuracy, and reliability

Thomas No.	Description
8788T52	Traceable [®] Digital Stopwatch

**Thomas[®]
BRAND**

Traceable[®] Multi-Colored Timer
 Traceable[®] to NIST to assure accuracy,
 an individually serial-numbered Traceable[®]
 Certificate is provided from our ISO 17025
 calibration laboratory accredited by A2LA



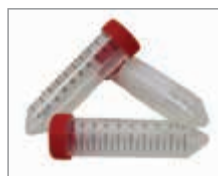
- 3-bright colorful supplied frames permit personalization of timer
- Assorted colored frames supplied with each timer
- 4-separate timing channels countdown and alarm
- Automatic Bounceback™ Memory for repetitive timing
- Counts up during alarming indicating elapsed time since alarming

Thomas No.	Description
1229S19	Traceable Timer, Multi-Colored

Tubes

labForce[®]
powered by Thomas Scientific

**Ultra-High-Speed 15mL & 50mL
 Polypropylene Centrifuge Tubes**
 Clear tubes have black printed graduation
 marks to full volume of 15mL or 50mL



- High spin rates with maximum RCF ratings of up to 20,000 x g for 50mL centrifuge tubes and 17,000 x g for 15mL centrifuge tubes
- Efficient automated production reduces cost and assures high quality products from lot to lot
- USP Class VI resin is also FDA CFR 21 compliant for food safety
- Easy Grip Caps have an integral seal ring design for secure closures that eliminate leakage
- Produced using premium grade USP Class VI resins in an automated, touch free manufacturing process

Thomas No.	Description	Qty. Case
1163X42	High Performance, 15mL, Red Screw Cap, Assembled, PP, Printed Graduations, STERILE, 25/Bag, 20 Bags/Unit	500
1163X43	High Performance, 15mL, Red Screw Cap, Assembled, PP, Printed Graduations, STERILE, 25/Rack, 20 Racks/Unit	500
1163X44	High Performance, 50mL, Red Screw Cap, Assembled, PP, Printed Graduations, STERILE, 25/Bag, 20 Bags/Unit	500
1163X45	High Performance, 50mL, Red Screw Cap, Assembled, PP, Printed Graduations, STERILE, 25/Rack, 20 Racks/Unit	500

Vials and Caps

labForce[®]
powered by Thomas Scientific

9mm Polypropylene Screw Thread Vial
 Manufactured from chemical resistant
 polypropylene



- 12x32mm vial with a 40% larger opening
- Capacity - 100uL to 300uL
- Manufactured from chemical resistant polypropylene
- Designed to work in robotic arm autosamplers
- Ideal for Ion Chromatography, Capillary Electrophoresis, Atomic Absorption, pH sensitive samples, sodium, heavy metals analyses and aqueous samples
- Maximum temperature - 135°C
- Made in the USA

Thomas No.	Description	Qty. Pk.	Qty. Case
1159L99	100µL to 300µL Polypropylene Limited Volume Vial, 12 x 32mm, 9mm Thread	100	1000

labForce[®]
powered by Thomas Scientific

Polypropylene Limited Volume Vial
 The labForce Brand 9mm glass vial with a
 clear glass insert fused together eliminates
 movement of the insert



- Capacity - 300uL
- Manufactured from Type I borosilicate glass
- Designed to work in robotic arm autosamplers
- Marking spot
- Fused insert also eliminates concerns about contaminants around the fused seam/space between the neck of the vial and the insert
- Made in the USA

Thomas No.	Description	Qty. Pk.
1159M00	300µL Clear Vial with Fused Insert, 12 x 32mm, 9mm Thread with White Marking Spot	100

labForce[®]
powered by Thomas Scientific

**Autosampler Vials, 12x32mm
 with 9mm Screw Thread**
 labForce Brand autosampler vials, 12x32mm
 with 9mm screw thread are designed to work
 in robotic arm autosamplers



- Manufactured from Type I borosilicate glass
- Designed to work in robotic arm autosamplers
- Available with graduated marking spot
- Made in USA

Thomas No.	Description	Qty. Pk.	Qty. Case
1159M01	2.0mL Clear Vial, 12 x 32mm, 9mm Thread	100	1000
1159M02	2.0mL Amber Vial, 12 x 32mm, 9mm Thread	100	1000
1159M03	2.0mL Clear Vial, 12 x 32mm, with White Graduated Spot, 9mm Thread	100	1000
1159M04	2.0mL Amber Vial, 12 x 32mm, with White Graduated Spot, 9mm Thread	100	1000

Supplies

Vials and Caps continued

labForce
powered by Thomas Scientific

Pre-Assembled 9mm Closures labForce Brand pre-assembled closures and septa come ready to use

- Pre-Assembled 9mm Closures
- Designed to work in robotic arm autosamplers
- Come in Smooth and Ribbed caps
- Select the closure and liner combination for your sampling requirements



Thomas No.	Description	Qty. Pk.	Qty. Case
Smooth Caps			
1159M08	9mm Smooth Cap, Royal Blue, PTFE/Butyl Rubber Lined	100	1000
1159M09	9mm Smooth Cap, Black, PTFE/Silicone Lined	100	1000
1159M10	9mm Smooth Cap, Green, PTFE/Silicone Lined	100	1000
1159M11	9mm Smooth Cap, Red, PTFE/Silicone Lined	100	1000
1159M12	9mm Smooth Cap, Royal Blue, PTFE/Silicone Lined	100	1000
1159M13	9mm Smooth Cap, Yellow, PTFE/Silicone Lined	100	1000
1159M14	9mm Smooth Cap, Black, PTFE/Silicone/PTFE Lined	100	1000
1159M15	9mm Smooth Cap, Royal Blue, PTFE/Silicone/PTFE Lined	100	1000
1159M16	9mm Smooth Cap, Yellow, PTFE/Silicone/PTFE Lined	100	1000
Ribbed Caps			
1159M17	9mm Ribbed Cap, Royal Blue, PTFE/Butyl Rubber Lined	100	1000
1159M18	9mm Ribbed Cap, Black, PTFE/Silicone Lined	100	1000
1159M19	9mm Ribbed Cap, Green, PTFE/Silicone Lined	100	1000
1159M20	9mm Ribbed Cap, Royal Blue, PTFE/Silicone Lined	100	1000

labForce
powered by Thomas Scientific

Limited Volume Inserts Manufactured from Type I borosilicate glass

- Manufactured from Type I borosilicate glass
- Conical design permits complete sample removal
- Flat bottom design is economically priced
- Ideal for sampling small volumes using a labForce 12x32mm vial for support
- Inserts are pre-assembled with a polyethylene spring which aids in alignment



Thomas No.	Description	Qty. Pk.	Qty. Case
1159M05	50µL Glass Large Opening Conical Limited Volume Insert, 6 x 25mm, Precision-Formed Mandrel Interior, w/Bottom Spring	100	—
1159M06	250µL Glass Large Opening Conical Limited Volume Insert, 6 x 29mm, Precision-Formed Mandrel Interior, w/Bottom Spring	100	—
1159M07	350µL Glass Flat Bottom Insert, 6 x 30mm	100	1000

labForce vials, inserts and closures can handle
all your laboratory and research needs.
For more information, please visit thomassci.com

Weigh Boats and Dishes

labForce
powered by Thomas Scientific

Anti-Static Pour-Boat Weighing Dishes labForce flexible polystyrene boats feature smooth surfaces to provide accurate pour-outs with minimal sample loss



- Temperature range -10 to 70°C (14 to 158°F)
- Can be used with microwave moisture analyzers
- Biologically inert and resistant to dilute and weak acids, aqueous solutions, alcohols, and bases
- 1 color, 3 sizes
- All are FDA/food-grade compliant

Thomas No.	Description	Qty. Pk.
1163Z50	Pour-Boat Weighing Dish, Anti-Static, White, Small (43 x 58 x 13mm)	500
1163Z51	Pour-Boat Weighing Dish, Anti-Static, White, Medium (83 x 132 x 26mm)	500
1163Z52	Pour-Boat Weighing Dish, Anti-Static, White, Large (108 x 183 x 26mm)	500

labForce
powered by Thomas Scientific

Aluminum Weighing Boats Sturdy yet lightweight boats feature a smooth, flat bottom for sample handling and a flanged, crimped wall for rigidity



- All weigh boats are FDA/food-grade compliant
- Disposable
- 3 sizes
- Packs of 100

Thomas No.	Description	Qty. Pk.
1163Z63	Aluminum Weighing Boat, Small, 43mm dia x 12mm H	100
1163Z64	Aluminum Weighing Boat, Medium, 57mm dia x 14mm H	100
1163Z65	Aluminum Weighing Boat, Large, 70mm dia x 16mm H	100

labForce
powered by Thomas Scientific

Standard Weighing Boats labForce flexible polystyrene boats feature smooth surfaces to provide accurate pour-outs with minimal sample loss



- Standard Weighing Boats
- Temperature range -10 to 70°C (14 to 158°F)
- Biologically inert and resistant to dilute and weak acids, aqueous solutions, alcohols, and bases

Thomas No.	Description	Qty. Pk.
1163Z53	Weighing Boat, Regular, White, Small (46 x 46 x 8mm)	500
1163Z54	Weighing Boat, Anti-Static, White, Small (46 x 46 x 8mm)	500
1163Z55	Weighing Boat, Regular, White, Medium (85 x 85 x 24mm)	500
1163Z56	Weighing Boat, Anti-Static, White, Medium (85 x 85 x 24mm)	500
1163Z57	Weighing Boat, Regular, White, Large (140 x 140 x 22mm)	500
1163Z58	Weighing Boat, Anti-Static, White, Large (140 x 140 x 22mm)	500
1163Z67	Weighing Boat, Regular, Blue, Small (46 x 46 x 8mm)	500
1163Z68	Weighing Boat, Regular, Blue, Medium (85 x 85 x 24mm)	500
1163Z69	Weighing Boat, Regular, Blue, Large (140 x 140 x 22mm)	500

Weigh Boats and Dishes continued

labForce
powered by Thomas Scientific
Hexagonal Weighing Boats

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



- Bend flexible boats at points to form pour spouts
- Flat bottoms and sloping sides provide accurate transfer
- Temperature range -10 to 70°C (14 to 158°F)
- Biologically inert and resistant to dilute and weak acids, aqueous solutions, alcohols, and bases
- Can be used with microwave moisture analyzers
- Anti-static version only
- 1 color, 4 sizes
- Pack of 500
- All are FDA/food-grade compliant
- Disposable

Thomas No.	Description	Qty. Pk.
1163Z59	Anti-Static, White, Small (38 x 25 x 9mm)	500
1163Z60	Anti-Static, White, Medium (64 x 51 x 19mm)	500
1163Z61	Anti-Static, White, Large (102 x 76 x 22mm)	500
1163Z62	Anti-Static, White, X-Large (127 x 89 x 31mm)	500

labForce
powered by Thomas Scientific
Aluminum Weighing Dishes

Designed for moisture determination balances

- Dishes also make good dust covers for open vessels
- FDA/food-grade compliant
- Disposable
- Slightly tapered walls for stacking
- Pack of 50



Thomas No.	Description	Qty. Pk.
1163Z66	Aluminum Weighing Dish, Large, 101mm dia x 8mm H	50

Wipes

Thomas
BRAND
Thomas Clean-Wipes

70% isopropyl or 100% pure water treated wipes

- High-quality, ultra-clean grade
- Pre-moistened Clean-Wipes are just right for cleaning fragile equipment and clean up even the dirtiest parts
- Strong, soft and lint-free
- Reclosable benchtop container assures a clean wipe each time
- Instantly clean metal, plastic, glass, rubber and epoxies
- Constructed of cellulose and polyester, they will not scratch delicate surfaces
- Long-lasting wipes never fall apart like paper towels
- Individually dispensed and ready for instant use, with a unique opening that allows wipes to virtually glide out when pulled
- Clean-Wipes are 6 x 9 inches and packaged 100 per polyethylene canister



Thomas No.	Description
2903J78	Clean-Wipes, 70% Iso Alcohol, Can 100

Chemicals

Thomas
BRAND
Thomas® Ascarite II CO2 Absorbent

Thomas® Ascarite II CO2 Absorbent is an aggressive, high performance quantitative absorbent of carbon dioxide



- Ascarite II is the universally-accepted carbon dioxide absorbent

Its wide range of uses includes:

- Removing carbon dioxide from gas streams and atmospheric air
- Scrubbing residual carbon dioxide from carrier gases
- Carbon-hydrogen determination
- Heat treating applications which generate carbon dioxide as an unwanted contaminate gas in a particular industrial application

Thomas No.	Description	Each	DR	Qty. Case
C049U90	Ascarite II CO2 Absorbent, 20-30 Mesh, 500g	1	—	12
C049H40	Ascarite II CO2 Absorbent, 8-20 Mesh, 500g	1	—	12
C839Q28	Ascarite II CO2 Absorbent, 4-10 Mesh, 500g	1	—	12
C049U97	Ascarite II CO2 Absorbent, 20-30 Mesh, 50kg	—	1	—
C049H65	Ascarite II CO2 Absorbent, 8-20 Mesh, 50kg	1	—	12
C049F55	Ascarite II CO2 Absorbent, 4-10 Mesh, 50kg	1	—	12

Thomas
BRAND
Traceable® pH Buffer Standards (CRM)

The most accurate pH Standards available anywhere



- Certified Reference Material
- Traceable® Certificate supplied
- Highest accuracy available
- Certified Reference Materials meet Federal/State/local agencies' strictest mandates and deliver exact calibration results for any pH meter
- 100% compatible with all instruments and probes

Thomas No.	Description
1218M88	Traceable® pH Buffer Standard Certified Reference Material (CRM) 4.005, 16 oz. (473 mL)
1218M89	Traceable® pH Buffer Standard Certified Reference Material (CRM) 7.000, 16 oz. (473 mL)
1218M90	Traceable® pH Buffer Standard Certified Reference Material (CRM) 7.146, 16 oz. (473 mL)
1218M91	Traceable® pH Buffer Standard Certified Reference Material (CRM) 7.000, 16 oz. (473 mL)

Thomas
BRAND
Thomas® LubriSeal Stopcock Grease

For lubricating ground glass joints, glass and metal stopcocks and valves, and for sealing desiccators, anaerobic culture jars and similar utensils



- LubriSeal has a low vapor pressure and resists attack by acidic and alkaline solutions
- LubriSeal is smooth-textured, stable, free from vegetable or animal oil or silicone and practically insoluble in water
- Mobility in film-like quantities makes it excellent not only for lubricating, but for preventing the freezing of stopcocks, ground joints, etc.

Thomas No.	Description	Each	Qty. Case
8690B20	LubriSeal, 75g Tube	1	6
8690B40	LubriSeal, 550g Can	1	—

