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Thomas No.	Mfr. No.	Description
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1221W11	ML615-DIS	Microlab® 600 Dual Syringe Dispenser with Basic Controller
1221W15	ML625-DIS	Microlab® 600 Dual Syringe Dispenser with Advanced Controller
1221W12	ML615-CNT	Microlab® 600 Dual Syringe Continuous Dispenser with Basic Controller
1221W16	ML625-CNT	Microlab® 600 Dual Syringe Continuous Dispenser with Advanced Controller
1221W10	ML615-DIL	Microlab® 600 Dual Syringe Diluter with Basic Controller
1221W14	ML625-DIL	Microlab® 600 Dual Syringe Diluter with Advanced Controller
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1221W19	61500-03	Microlab® 600 Custom Programmer Kit (compatible with .Net 2.0) Includes: Programmer Software CD which contains the Programmer Manual, Application Programming Interface, and Example LabView, C#, and VB Programs
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...Receive 1 Case of these Corning Syringe Tips FREE (choose 1):

Thomas No.	Description	Qty (Pk/Cs)
1159F22	Syringe tips, 0.05 mL	100/100
1159F24	Syringe tips, 0.5 mL	100/100
1159F26	Syringe tips, 1.25 mL	100/100
1159F28	Syringe tips, 2.5 mL	100/100
1159F30	Syringe tips, 5 mL	100/100
1159F32	Syringe tips, 12.5 mL	100/100
1159F34	Syringe tips, 25 mL	25/25
1159F36	Syringe tips, 50 mL	25/25
1159F23	Syringe tips, 0.05 mL, sterile	1/100
1159F25	Syringe tips, 0.5 mL, sterile	1/100
1159F27	Syringe tips, 1.25 mL, sterile	1/100
1159F29	Syringe tips, 2.5 mL, sterile	1/100
1159F31	Syringe tips, 5 mL, sterile	1/100
1159F33	Syringe tips, 12.5 mL, sterile	1/100
1159F35	Syringe tips, 25 mL, sterile	1/25
1159F37	Syringe tips, 50 mL, sterile	1/25

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Porvair Sciences clear bottom Krystal plates are optimized for fluorescence and luminescence. Proprietary ultra-sonic welding is used to assemble the clear bases to the solid top plate in our clean room offering market leading plate flatness that translates into a significant increase in measurement precision and elimination of read errors.

The special design of the plate

- Virtually eliminates well-to-well light crosstalk
- Provides unmatched accuracy
- Higher sensitivity
- Better repeatability of photometric readings



Porvair Krystal - 24-Well, 96-Well and 384-Well Plates

- Opaque walls to prevent well-to-well crosstalk
- Clear plate bottom permits direct microscopic viewing
- For use with top or bottom reading instruments
- Standard ANSI/SLAS
- Constructed from ultra pure grade polystyrene



96-Well Krystal - Black and White

Thomas No.	Color	Well Volume	Base Thickness	Treatment	Sterile	Lid	Case Qty.
1167W11	White	350uL	0.75mm	—	—	—	100
1167W12	White	350uL	0.75mm	Tissue Culture	Yes	Yes	100
1167W13	Black	350uL	0.75mm	—	—	—	100
1167W14	Black	350uL	0.75mm	Tissue Culture	Yes	Yes	100

384-Well Krystal - Black and White

Thomas No.	Color	Well Volume	Base Thickness	Treatment	Sterile	Lid	Case Qty.
1167W15	White	120uL	0.40mm	—	—	—	100
1167W16	White	120uL	0.40mm	Tissue Culture	Yes	Yes	100
1167W17	Black	120uL	0.40mm	—	—	—	100
1167W18	Black	120uL	0.40mm	Tissue Culture	Yes	Yes	100

The special design and patented manufacturing process of the Krystal 2000 provides clear, individual wells in an opaque matrix, with raised rims eliminating well-to-well optical crosstalk. Lowered bottom rim to stop lateral light piping. Very high signal-to-noise ratio and low detection limits can be achieved with this superb plate.



96-Well Krystal 2000 - Black and White

Thomas No.	Color	Well Volume	Base Thickness	Treatment	Sterile	Lid	Case Qty.
1167W19	White	350uL	—	—	—	—	100
1167W20	White	350uL	—	Tissue Culture	Yes	Yes	50
1167W21	White	350uL	—	Tissue Culture	Yes	Yes	100
1167W22	Black	350uL	—	—	—	Yes	100
1167W23	Black	350uL	—	Tissue Culture	Yes	Yes	50
1167W24	Black	350uL	—	Tissue Culture	Yes	Yes	100

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- 335nm UV optical cut-off
- 175um glass thickness
- Resistant to alcohol, DMSO and PBS
- Robot friendly



24-Well Krystal Glass Bottom Plates

Thomas No.	Color	Sterile	Lid	Case Qty.
1167W25	Black	—	Yes	10
1167W26	Black	Yes	Yes	10
1167W27	White	—	Yes	10
1167W28	White	Yes	Yes	10

96-Well Krystal Glass Bottom Plates

Thomas No.	Color	Sterile	Lid	Case Qty.
1167W29	Black	—	Yes	10
1167W30	Black	Yes	Yes	10
1167W31	White	—	Yes	10
1167W32	White	Yes	Yes	10

384-Well Krystal Glass Bottom Plates

Thomas No.	Color	Sterile	Lid	Case Qty.
1167W33	Black	—	Yes	10
1167W34	Black	Yes	Yes	10
1167W35	White	—	Yes	10
1167W36	White	Yes	Yes	10

For more information on our Krystal plates and our entire line of plates and equipment, please visit the Thomas Scientific website – www.thomasci.com or contact your Thomas Scientific sales representative.

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Cat. No.	Description
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1155P02	F1-ClipTip Variable Volume Single Channel Pipette, Pink, 2 to 20µL
1155P03	F1-ClipTip Variable Volume Single Channel Pipette, Violet, 5 to 50µL
1155P04	F1-ClipTip Variable Volume Single Channel Pipette, Yellow, 10 to 100µL
1155P05	F1-ClipTip Variable Volume Single Channel Pipette, Yellow, 20 to 200µL
1155P06	F1-ClipTip Variable Volume Single Channel Pipette, Orange, 30 to 300µL
1155P07	F1-ClipTip Variable Volume Single Channel Pipette, Blue, 100 to 1000µL

Cat. No.	Description
1155P01	F1-ClipTip Variable Volume Single Channel Pipette, Pink, 1 to 10µL
1155P02	F1-ClipTip Variable Volume Single Channel Pipette, Pink, 2 to 20µL
1155P03	F1-ClipTip Variable Volume Single Channel Pipette, Violet, 5 to 50µL
1155P04	F1-ClipTip Variable Volume Single Channel Pipette, Yellow, 10 to 100µL
1155P05	F1-ClipTip Variable Volume Single Channel Pipette, Yellow, 20 to 200µL
1155P06	F1-ClipTip Variable Volume Single Channel Pipette, Orange, 30 to 300µL
1155P07	F1-ClipTip Variable Volume Single Channel Pipette, Blue, 100 to 1000µL

Multichannel

Cat. No.	Description
1155P17	F1-ClipTip Pipette, 8 Channel, 1 to 10µL
1155P18	F1-ClipTip Pipette, 8 Channel, 5 to 50µL
1155P19	F1-ClipTip Pipette, 8 Channel, 10 to 100µL
1155P20	F1-ClipTip Pipette, 8 Channel, 30 to 300µL
1155P21	F1-ClipTip Pipette, 12 Channel, 1 to 10µL
1155P22	F1-ClipTip Pipette, 12 Channel, 5 to 50µL
1155P23	F1-ClipTip Pipette, 12 Channel, 10 to 100µL
1155P24	F1-ClipTip Pipette, 12 Channel, 30 to 300µL

Cat. No.	Description
1155P17	F1-ClipTip Pipette, 8 Channel, 1 to 10µL
1155P18	F1-ClipTip Pipette, 8 Channel, 5 to 50µL
1155P19	F1-ClipTip Pipette, 8 Channel, 10 to 100µL
1155P20	F1-ClipTip Pipette, 8 Channel, 30 to 300µL
1155P21	F1-ClipTip Pipette, 12 Channel, 1 to 10µL
1155P22	F1-ClipTip Pipette, 12 Channel, 5 to 50µL
1155P23	F1-ClipTip Pipette, 12 Channel, 10 to 100µL
1155P24	F1-ClipTip Pipette, 12 Channel, 30 to 300µL

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Orion Star T920

- Use the Orion Star T920 redox titrator for dedicated redox titrations including sulfite/SO₂ and reducing sugar in juice and wine, ascorbic acid (vitamin C) and peroxide value in food products, dissolved oxygen in wastewater by Winkler titration and organic matter in soil
- Titration techniques include equivalence point titrations and preset mV endpoint titrations for versatile sample analysis
- Pair the titrator option with any of our premium Orion redox electrodes or select our preconfigured titrator and electrode kit for a bundled discount



Orion Star T930

- Thermo Scientific™ Orion Star™ T930 ion titrators are designed to increase your laboratory productivity by automating titrations
- Core electrochemistry technology is integrated with a state-of-the-art reagent dispensing system to create modern, simplified automated titrators designed to make performing titrations easier, more reliable and more reproducible than manual titrations
- Titration techniques include equivalence point titrations and preset mV endpoint titrations plus multiple known addition (MKA) mode

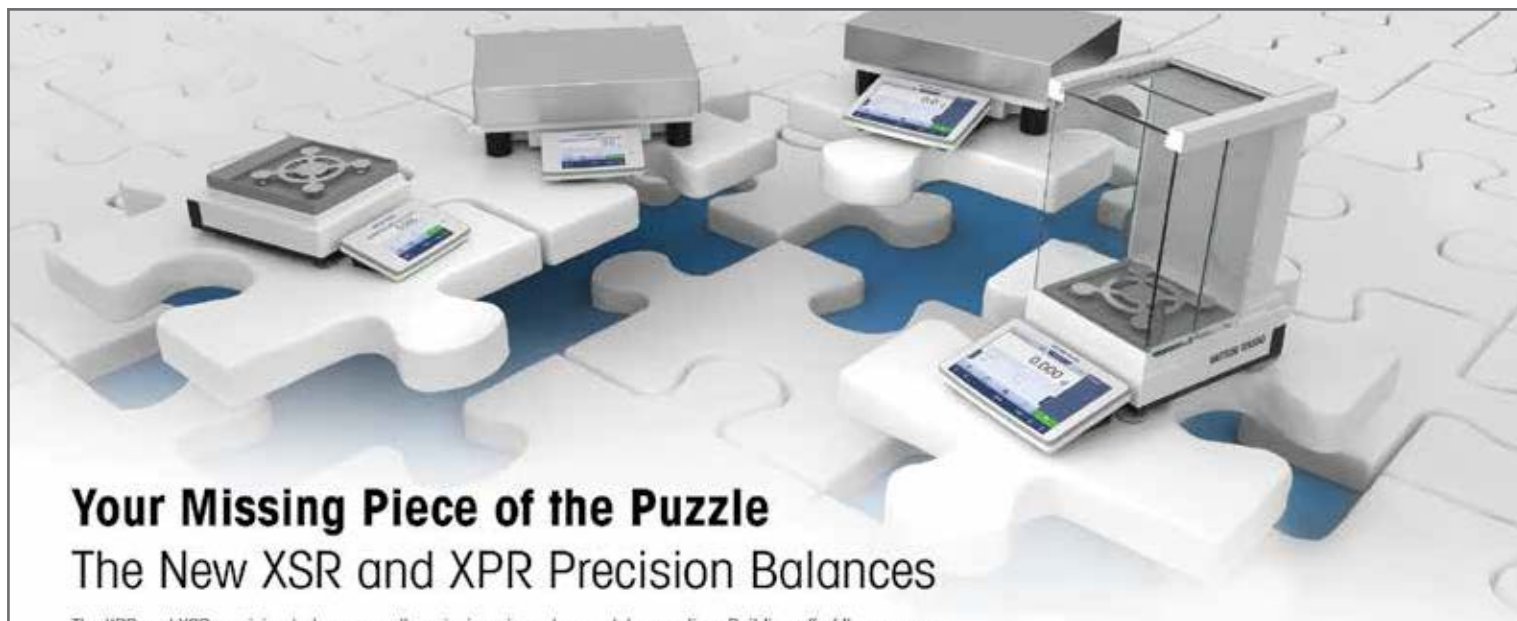


Orion Star T940

- The Thermo Scientific™ Orion Star™ T940 all-in-one titrators are designed to increase your laboratory productivity by automating titrations
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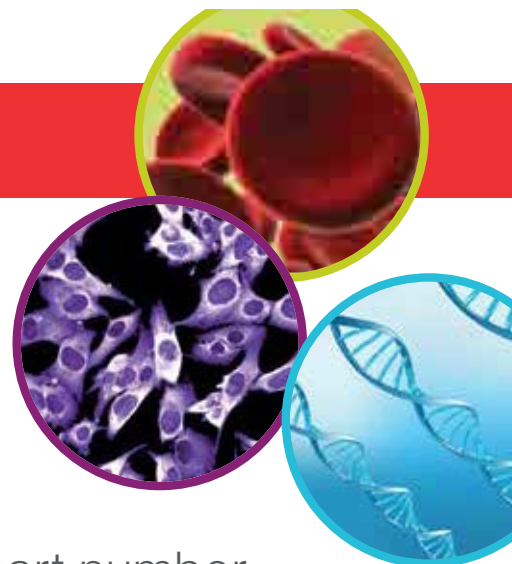
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- V-drive: significant reduction in energy with alternate compressor technology



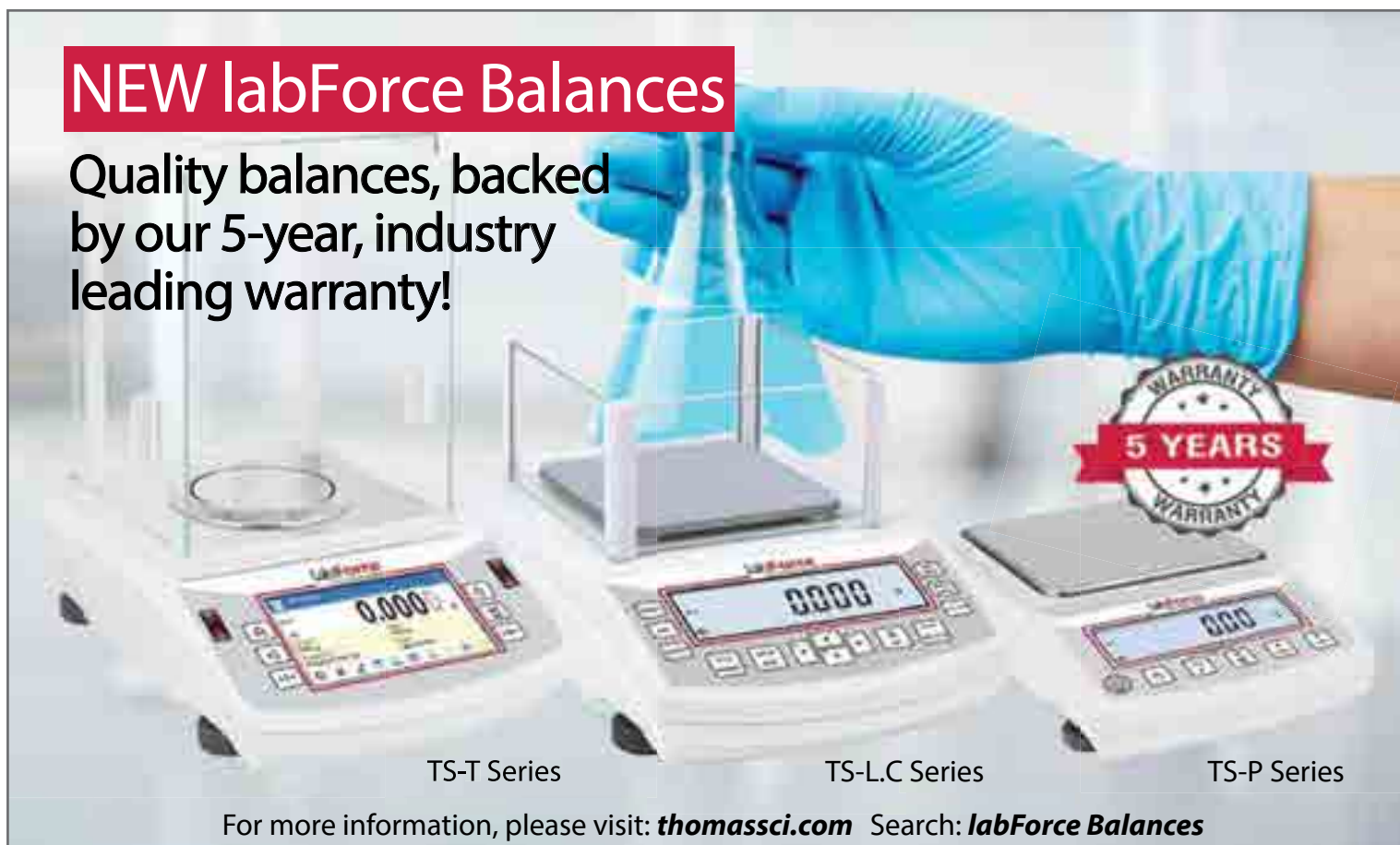
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TS-T Series TS-L.C Series TS-P Series

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PIPETTE CALIBRATION SERVICES

3 VOLUMES • 5 WEIGHINGS PER VOLUME

Designed for customers that need an ISO 17025 calibration, with AF/AL data, but need to manage cost/value.

- ▶ Single channel pipettes are checked at 3 volumes with 5 repetitions per volume
- ▶ Multi-channel pipettes are checked at 3 volumes, 5 repetitions for all channels

THERMOMETER CALIBRATION SERVICES

- ▶ ISO/IEC 17025 A2LA Accredited Thermometer Calibrations
- ▶ UL/DQS ISO 9001:2008 Registered
- ▶ Electronic Calibration Certificates
- ▶ Bar Coded Calibration Labels



For more information, please visit thomassci.com Search : **CAL0001** and **CAL0003**

The Original Lab Mill

**Thomas
Scientific**
**Model 4
Wiley® Mill**

The Wiley Mill, by Thomas Scientific, sets the standard of quality, efficiency, and value within the sample preparation market. With over 75 years of proven technology, Wiley Mills are the **most robust, longest lasting mills on the market!**

The Wiley Mill is **built by hand** and consists of an **all steel construction**, with four rotating steel cutting knives, easy cleaning, **no service tech required for maintenance** and a one year manufacturer's warranty. The mills are suggested by the U.S. Bureau of Plant Industry for milling of samples.

Whatever your application, Thomas has a Mill for you!

- Bio-fuel
- Agriculture
- Tobacco
- Meat & Poultry
- Biology
- Life Science
- Pet Food



Models for Bench Mounting

- Official Methods of Analysis AOAC 922
- Moving parts are totally enclosed
- 2 1/4" diameter sample input
- 50 to 1,000 gram sample volume
- All steel construction

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

Models with Floor Stand

- Heavy channel stock steel construction
- Smooth rolling casters
- Accessory shelf

Floor stand models include jar and beaker chutes, three sieves (1/2, 1 and 2 mm), one stainless steel beaker (1527C25), three 1 pint (0.47 L) glass jars (6176B12), and set of wrenches.

Thomas No.	Description
1188Y47	Wiley® Mill, Model 4 Bench, 1 Hp, 115V, 50/60 Hz
1188Y48	Wiley® Mill, Model 4 Bench, 1 Hp, 230V, 50/60 Hz
1188Y51	Wiley® Mill, Model 4 Floor, 1 Hp, 230V, 50/60 Hz

**For more information about
Thomas Wiley Mills
contact your Thomas
Scientific Sales
Representative today!**

Want a FREE Sample Grinding? Visit www.ThomasSci.com Search: S018A31

ThomasSci.com • online ordering • complete product listing

stretchease

Powder-Free Nitrile Examination Gloves

- Powder free
- More chemical resistant
- Exceptional strength
- Textured



A great alternative for people who are sensitive to latex!

Thomas No.	Description	Quantity	
		Pack	Case
1159G03	Stretchease, Powder Free, Nitrile Exam Gloves, XS	100	1000
1159G04	Stretchease, Powder Free, Nitrile Exam Gloves, S	100	1000
1159G05	Stretchease, Powder Free, Nitrile Exam Gloves, M	100	1000
1159G06	Stretchease, Powder Free, Nitrile Exam Gloves, L	100	1000
1159G07	Stretchease, Powder Free, Nitrile Exam Gloves, XL	100	1000
1159G08	Stretchease, Powder Free, Nitrile Exam Gloves, XS - Big Case Quantity	—	2500
1159G09	Stretchease, Powder Free, Nitrile Exam Gloves, S - Big Case Quantity	—	2500
1159G10	Stretchease, Powder Free, Nitrile Exam Gloves, M - Big Case Quantity	—	2500
1159G11	Stretchease, Powder Free, Nitrile Exam Gloves, L - Big Case Quantity	—	2500
1159G12	Stretchease, Powder Free, Nitrile Exam Gloves, XL - Big Case Quantity	—	2300

Ovation Multichannel Pipettes Offer

Buy an Ovation
Multichannel Pipette

Get an
Ovation M FREE!

Get optimal posture and lower forces with Ovation® pipettes, specifically designed for ergonomically correct pipetting. Make your work less painful for better performance.

For more information, qualifying products,
and to download redemption form visit
ThomasSci.com/deals

Promotion expires December 31, 2018

VistaLab
TECHNOLOGIES





labForce Tubes are manufactured in a class 100,000 clean room, gamma irradiated to SAL 10⁻⁶, and are certified to be free from DNase, RNase, Human DNA, Pyrogens, and Endotoxins.

labForce
powered by Thomas Scientific

Ultra-High-Speed 15mL & 50mL Centrifuge Tubes

- **Ultra-High Performance** - 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
- **Value** - Efficient automated production reduces cost and assures high quality products that is consistent from lot to lot
- **Premium Materials** - USP Class VI resin is also FDA CFR 2 compliant for food safety
- **Leak Resistant** - Easy Grip Caps have an integral seal ring design for secure closures that eliminate leakage when used as recommended
- **Ease of Use** - Exceptionally clear tubes have black printed graduation marks to full volume of 15mL or 50mL, a bright white marking space, and are packaged in heavy duty, zip, re-closable bags for easy use
- **Eco Friendly** - Paperboard racks are readily recyclable in the well-established paper recycling stream

**Special
Promo Pricing**

labForce Centrifuge Tubes:
up to **26% OFF**

Promotion pricing is good from Oct. 1 - Dec. 31.

Thomas No.	Description	Qty/Case	New List
1163X42	High Speed Centrifuge Tube, 15mL, Red Cap, Polypropylene, Sterile, Bag	500	\$94.50
1163X43	High Speed Centrifuge Tube, 15mL, Red Cap, Polypropylene, Sterile, Rack	500	\$109.00
1163X44	High Speed Centrifuge Tube, 50mL, Red Cap, Polypropylene, Sterile, Bag	500	\$119.88
1163X45	High Speed Centrifuge Tube, 50mL, Red Cap, Polypropylene, Sterile, Rack	500	\$139.94



labForce Serological Pipets are manufactured from optically clear polystyrene in a class 100,000 clean room.

labForce
powered by Thomas Scientific

Serological Pipets

labForce Serological Pipets are manufactured from optically clear polystyrene in a class 100,000 clean room. Both the pipets and individual pipet wrappers are color coded for easy volume identification.

- Reverse graduations for convenient aspiration and dispensing
- Negative graduations on all sizes and to -10 mL on 25mL and 50mL pipets
- Lot numbers and expiration dates conveniently printed on pipet wrappers
- Fit all major brands of pipette controllers

**Special
Promo Pricing**

labForce Serological Pipets:
up to **39% OFF**

Promotion pricing is good from Oct. 1 - Dec. 31.

Thomas No.	Description	Qty/Bag	Qty/Case	New List
1163Y19	1mL, Individually Wrapped, 1/100 Divisions, Yellow Band, Sterile,	100	500	\$81.24
1163Y20	2mL, Individually Wrapped, 1/100 Divisions, Green Band, Sterile	100	500	\$85.10
1163Y21	5mL, Individually Wrapped, 1/10 Divisions, Blue Band, Sterile	50	200	\$47.34
1163Y22	10mL, Individually Wrapped, 1/10 Divisions, Orange Band, Sterile	50	200	\$52.20
1163Y23	25mL, Individually Wrapped, 2/10 Divisions, Red Band, Sterile	50	200	\$101.42
1163Y24	50mL, Individually Wrapped, 5/10 Divisions, Purple Band, Sterile	30	100	\$136.24
1163Y25	1mL, Bulk Packed, 1/100 Divisions, Yellow Band, Sterile	25	500	\$77.32
1163Y26	2mL, Bulk Packed, 1/100 Divisions, Green Band, Sterile	25	500	\$94.84
1163Y27	5mL, Bulk Packed, 1/10 Divisions, Blue Band, Sterile	25	500	\$112.70
1163Y28	10mL, Bulk Packed, 1/10 Divisions, Orange Band, Sterile	25	500	\$129.66
1163Y29	25mL, Bulk Packed, 2/10 Divisions, Red Band, Sterile	25	200	\$97.96
1163Y30	50mL, Bulk Packed, 5/10 Divisions, Purple Band, Sterile	25	100	\$108.00

Special Promo Pricing

UP TO
Promotional
pricing
is good from
Oct. 1 - Dec. 31

25% OFF

on select package sizes

9mm Polypropylene Screw Thread Vial



The labForce 9mm polypropylene vial is an economical alternative to glass and is compatible with many solvents.

Thomas No.	Description	Qty/Case	List	New List
1159L99	100µL to 300µL Polypropylene Limited Volume Vial, 12x32mm, 9mm Thread	1000	\$183.75	\$133.64

9mm Vial with Fused Insert



The labForce 9mm glass vial with a clear glass insert fused together eliminates movement of the insert.

Thomas No.	Description	Qty/Pack	List	New List
1159M00	300µL Clear Vial with Fused Insert, 12x32mm, 9mm Thread with White Marking Spot	1000	\$94.89	\$77.64

Autosampler Vials, 12x32mm with 9mm Screw Thread



The labForce autosampler vials, 12 x 32mm with 9mm screw thread are designed to work in robotic arm autosamplers.

Thomas No.	Description	Qty/Case	List	New List
1159M01	2.0mL Clear Vial, 12x32mm, 9mm Thread	1000	\$149.18	\$115.27
1159M02	2.0mL Amber Vial, 12x32mm, 9mm Thread	1000	\$160.71	\$124.18
1159M03	2.0mL Clear Vial, 12x32mm, 9mm Thread, with White Graduated Spot	1000	\$181.41	\$140.18
1159M04	2.0mL Amber Vial, 12x32mm, 9mm Thread, with White Graduated Spot	1000	\$193.18	\$149.27

Limited Volume Inserts



The labForce Limited Volume Inserts are ideal for sampling small volumes using a labForce 12 x 32mm vial for support. Inserts are pre-assembled with a polyethylene spring which aides in alignment.

Thomas No.	Description	Qty/Pack	Pack List	Qty/Case	Case List	New List
1159M05	50µL Glass Large Opening Conical Limited Volume Insert, 6x25mm, Precision-Formed Mandrel Interior, with Bottom Spring	100	\$56.00	—	—	\$43.27
1159M06	250µL Glass Large Opening Conical Limited Volume Insert, 6x29mm, Precision-Formed Mandrel Interior, with Bottom Spring	100	\$71.53	—	—	\$55.27
1159M07	350µL Glass Flat Bottom Insert, 6x30mm	100	—	—	\$111.76	\$86.36

Pre-Assembled 9mm Closures



The labForce pre-assembled closures and septa come ready to use. Designed to work in robotic arm autosamplers.

Thomas No.	Description	Qty/Case	List	New List
1159M08	9mm Smooth Cap, Royal Blue, PTFE/Butyl Rubber Lined	1000	\$173.18	\$133.82
1159M09	9mm Smooth Cap, Black, PTFE/Silicone Lined	1000	\$184.00	\$142.18
1159M10	9mm Smooth Cap, Green, PTFE/Silicone Lined	1000	\$184.00	\$142.18
1159M11	9mm Smooth Cap, Red, PTFE/Silicone Lined	1000	\$184.00	\$142.18
1159M12	9mm Smooth Cap, Royal Blue, PTFE/Silicone Lined	1000	\$184.00	\$142.18
1159M13	9mm Smooth Cap, Yellow, PTFE/Silicone Lined	1000	\$184.00	\$142.18
1159M14	9mm Smooth Cap, Black, PTFE/Silicone/PTFE Lined	1000	\$292.50	\$226.00
1159M15	9mm Smooth Cap, Royal Blue, PTFE/Silicone/PTFE Lined	1000	\$292.47	\$226.00
1159M16	9mm Smooth Cap, Yellow, PTFE/Silicone/PTFE Lined	1000	\$292.31	\$225.87
1159M17	9mm Ribbed Cap, Royal Blue, PTFE/Butyl Rubber Lined	1000	\$173.18	\$133.82
1159M18	9mm Ribbed Cap, Black, PTFE/Silicone Lined	1000	\$184.00	\$142.18
1159M19	9mm Ribbed Cap, Green, PTFE/Silicone Lined	1000	\$184.00	\$142.18
1159M20	9mm Ribbed Cap, Royal Blue, PTFE/Silicone Lined	1000	\$184.00	\$142.18

For more information about the complete line of labForce products, please visit thomassci.com

Search: **labForce**

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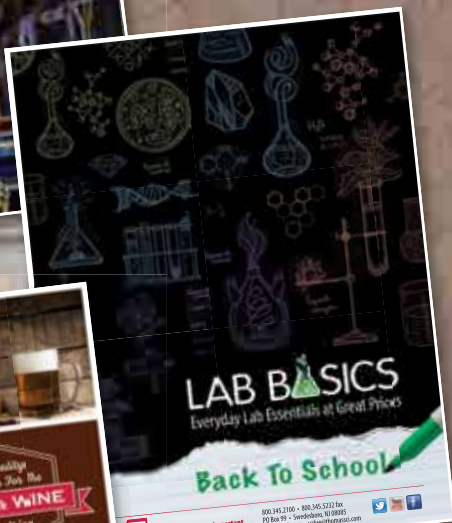
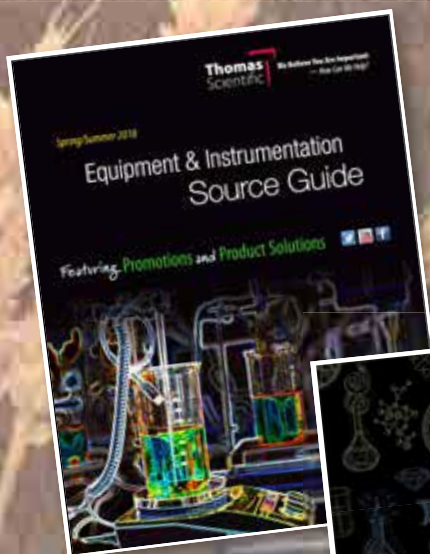
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