

2022 AUTOMATION & GENOMICS CATALOG



Thomas BIO SOLUTIONS

is a service, offered by Thomas Scientific, dedicated to streamlining workflow processes. We believe that partnering with scientists to better understand their challenges allows us to work collaboratively toward a common solution. More than just a distributor, we are an active consultant for highly complex life science workflows.

- Automation and high-throughput screening (HTS)
- 2D barcode technology
- Cell culture
- Cold storage
- Liquid handling
- PCR and genomics

Our pledge to exceptional customer service, proven technical expertise and collaboration makes us the go-to solution for your life science applications. From answering technical questions to delivering high-quality, affordable products – our value comes from our team of technically-trained individuals using a consultative approach to understand your unique processes and needs. Our goal is to serve you at the highest level through proven solutions and improved workflows with our diverse range of innovative products.

EXPERIENCED TEAM

Our team has in-depth technical training and experience, which allows us to optimize our customers' life science workflows. Unlike our competition, the Thomas Bio Solutions team specializes in laboratory automation solutions. This equips us with knowledge for highly specialized products so we can provide solutions to our customers' unique challenges.

INNOVATIVE PRODUCTS

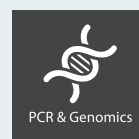
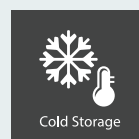
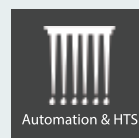
Thomas Bio Solutions is process-driven rather than catalog-driven. We talk with scientists to discover the best technical solutions for our customers' needs. We are always bringing in new products that provide innovative solutions that can help our customers streamline their productivity, allowing them to achieve more in less time.

UNPARALLELED SERVICE

As scientists, we understand that time and quality are critical. Our goal is to provide quick shipments and on-time deliveries, as well as reduce the number of backorders by shipping complete orders – up to 97%, within 24 hours.

AFFORDABLE PRICING

Our approach is consultative, not price-driven. Our products are priced fairly while maintaining excellent quality and value.



FEATURED PARTNERS:



Agilent



AZENTA
LIFE SCIENCES



COPAN

CORNING



NEXT GENERATION COLLAGEN



Truckee Applied Genomics

- 4titude
- AlphaGem Bio
- Innovative Laboratory Products
- LVL Technologies
- Microbrush
- NEST Scientific USA
- Omega Bio-tek
- PCR Biosystems
- Plate Seal
- Porvair Filtration Group
- SteriPack
- Ziath
- Zymo

THOMAS SCIENTIFIC'S BIO SOLUTIONS SERVICES

Thomas Scientific has been providing the scientific community with laboratory supplies, equipment and chemicals for over 100 years. As we continue to expand our portfolio of products and services to meet the needs of our growing customer base, we recognize that not all customers are the same.

Customers often have higher service demands than traditional or non-traditional suppliers can accommodate. To ensure that all of our customers benefit from Thomas Scientific's desire to meet and exceed their expectations, Thomas Scientific is proud to offer Thomas Bio Solutions services to its growing list of capabilities.

Here is a short list of services that are designed to help you:

- Barcoding and labeling
- Custom coatings
- Bulk and custom packaging
- Kitting
- Prototyping and molding

Thomas Bio Solutions provides Thomas Scientific customers with experienced Customer Success Specialists and a dedicated Workflow Consultant that understands and can streamline the unique process for your application.

Customers from biotechnology products and services, to testing and clinical diagnostics and/or production laboratories utilizing automated workflows – we welcome you to Thomas Scientific and look forward to assisting you through Thomas Bio Solutions.

THOMAS SCIENTIFIC'S INVENTORY MANAGEMENT SOLUTIONS

Vendor Managed Inventory

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

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

Let us be your Integrated Partner!



a Thomas Scientific, LLC service

TO PLACE AN ORDER:

Phone: (833) 544-SHIP (7447) General
(833) 750-1234 Production

Email: CustomerService@ThomasSci.com

Web: ThomasSci.com

Mail: 1654 High Hill Road
Swedesboro, NJ 08085

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iSWAB™ MICROBIOME COLLECTION TUBE

iSWAB Microbiome (MB) is a non-toxic stabilizing technology that enables ambient collection and transport of various biosamples, and maintains the status quo at the time of collection. iSWAB-MB has been proven to efficiently inactivate bacteria, fungi, spores, and DNA/RNA viruses allowing safer transport of biological samples to processing labs, especially when samples are subject to long transit times. The buffer does not contain guanidine or related compounds. DNA and RNA from collected microorganisms remains stable at room temperature for up to 40 days for DNA, and 21 days for RNA, eliminating the need for expedited cold chain transport. SWAB-MB provides a representative snapshot of the microbial community that remains unchanged from collection to processing of oral, gut/fecal, skin, vaginal, and soil samples. Purified microbial DNA or RNA isolated from collected samples are compatible with qPCR, microarray, and NGS for microbiome research in health, wellness, and forensics.

MAWI™ iSWAB™ MICROBIOME COLLECTION TUBE, 1.0 mL

Thomas No.	Description	Unit
21A00P928	iSWAB Microbiome Collection Tube, 1.0 mL	500 bg; 2 bgs/pk

iSWAB MICROBIOME-EL – EXTRACTION FREE

Mawi DNA Technologies has developed a modified “extraction-less” version of the iSWAB technology. The iSWAB-Microbiome-EL is designed to eliminate the RNA extraction step in the COVID-19 Molecular testing workflow, allowing researchers to perform direct RT-PCR on individual and pooled samples.

MAWI™ iSWAB™ MICROBIOME COLLECTION TUBE, 800 µL

Thomas No.	Description	Unit
21A00Q235	iSWAB Microbiome-EL Standard Collection Tube, 800 µL	500/pk



TAG-NGPM™ (NEXT GENERATION PATHOGEN MEDIA)

TAG-NGPM is a virus culturing media for research use including better monitoring of new variants of SARS-CoV-2 with next generation sequencing.

TAG-NGPM offers temperature stable transport and storage that saves significant cost by removing the need for cold chains.

TAG-NGPM™ (NEXT GENERATION PATHOGEN MEDIA), BULK

Thomas No.	Description	Unit
CHM01R822	TAG-NGPM, 1 Liter, Bulk	Minimum Order Qty/100



FLOCKED STERILE ANTERIOR NARES SWAB

- This sterile Microbrush® flocked anterior nares swab provides excellent specimen absorption and elution
- EO sterilized and individually packaged in peel pouches
- Nylon flocked tip
- Break point at 85mm
- 4.05" overall length with 0.75" long flocked tip

MICROBRUSH® ANTERIOR NARES SWAB

Thomas No.	Description	Unit
21A00F584	Microbrush Flocked Sterile Anterior Nares Swab	100/pk; 1000/cs

STERIPACK XPRESS COLLECT

SteriPack is now providing XpressCollect, a unique collection vial with integrated swab for anterior nares sample to help combat Covid-19. Each XpressCollect is individually packaged and labeled in SteriPack's state-of-the-art ISO Class 8 Cleanroom manufacturing facilities located across North America, Europe and Asia.

- Gamma sterilized
- Standard tube format supporting 96 array tray
- Tolerates viral inactivation up to 90°C (3 mins) longer at lower temp
- Dry transport of swab eliminating need for Viral Transport Media (VTM) reducing risks of sample contamination
- Extraction free PCR processing for Covid-19
- Unique 2D barcode for automated assessioning of 96 barcodes at a time
- 1D barcode and human readable data
- 100% polyester bud
- Polypropylene stick
- Flow through cap enabling filling of lysis without intervention of 96 samples at a time
- Double square standard

SteriPack



96 Rack
Sample
Collection

STERIPACK (USA) XPRESS COLLECT

Thomas No.	Description	Unit
21A00K115	Unique collection vial with integrated swab for anterior nares sample. Individually wrapped.	700/cs

FLOQSWABS®

A FLOQSwab® is a flocked swab that consists of a molded plastic applicator stick with a variable size and shape tip. The tip of the applicator is coated with short Nylon® fibers that are arranged in a perpendicular fashion. FLOQSwabs® have no internal core to trap the specimen.



NYLON® FLOCKED SWAB, INDIVIDUALLY PACKAGED, STERILE

Thomas No.	Description	Unit
21A00L033	Single Minitip Size with 80mm Breakpoint in Peel Pouch	100/pk; 1000/cs
21A00L034	Single Regular Size with 80mm Breakpoint in Peel Pouch	100/pk; 1000/cs
21A00L035	Single Flexible Minitip Size with 100mm Breakpoint in Peel Pouch	100/pk; 1000/cs
21A00L036	Single Ultra Minitip Size with 100mm Breakpoint in Dry Tube	100/pk; 1000/cs
21A00L037	Single Ultra Minitip Size with 100mm Breakpoint in Peel Pouch	100/pk; 1000/cs
21A00L038	Single Ultra Minitip Size with 100mm Breakpoint in Peel Pouch	100/pk; 1000/cs
21A00L039	Single Minitip Size with 100mm Breakpoint in Peel Pouch	100/pk; 1000/cs
21A00L040	Single Regular Size with 100mm Breakpoint in Dry Tube	100/pk; 1000/cs
21A00L041	Single Regular Size with 100mm Breakpoint in Peel Pouch	100/pk; 1000/cs
21A00L042	Single Ultra Thin Minitip Size with 80mm Breakpoint in Peel Pouch	100/pk; 1000/cs
21A00L043	Single Flexible Minitip Size with No Breakpoint in Peel Pouch	100/pk; 1000/cs
21A00L044	Single Minitip Size with 80mm Breakpoint in Dry Tube	100/pk; 1000/cs
21A00L045	Single Regular Size with 80mm Breakpoint in Dry Tube	100/pk; 1000/cs
21A00L046	Single Flexible Minitip Size with 100mm Breakpoint in Dry Tube	100/pk; 1000/cs
21A00L047	Single Contoured Adult Size with Stopper with 80mm Breakpoint in Peel Pouch	100/pk; 1000/cs
21A00L048	Single Contoured Pediatric Size with Stopper with 80mm Breakpoint in Peel Pouch	100/pk; 1000/cs
21A00M511	Single Contoured Pediatric Size with Stopper with 50mm Breakpoint in Peel Pouch	100/pk; 1000/cs





1208N80



1209A53

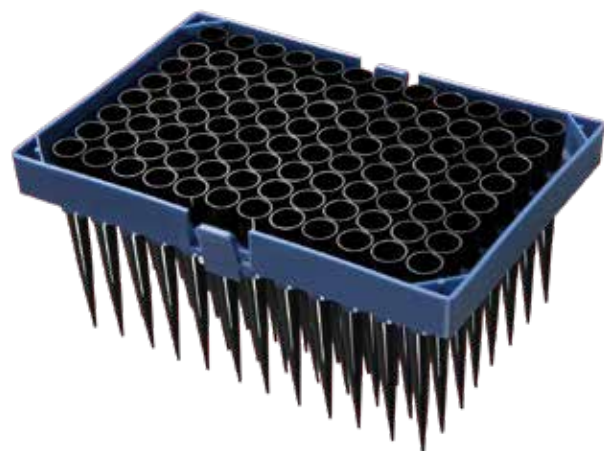


1209A54



1208N87

*Not to scale



1208N85

HAMILTON®-STYLE ROBOTIC TIPS

Compatible with STAR, STARlet, STARplus and Nimbus®

Axygen® robotics tips are conductive liquid level sensing tips available in 4 sizes (10, 50, 300 and 1,000 µL) and packaged in either traditional hanging tip racks ("frame" style) or deck-seating nested tip racks. As with all Axygen tips, they are manufactured to stringent specifications under strict process control and assembled via automation to ensure consistent performance and quality. They enable precision pipetting across a wide range of applications.

- Made of conductive black polypropylene
- Certified DNase, RNase, human DNA and pyrogen free
- Available with or without aerosol-resistant filters
- Available in sterile or non-sterile formats
- Compatible head – 8-channel, 96-probe
- Polypropylene rack has a standard ANSI/SLAS footprint

10 µL HANGING TIP RACKS

Thomas No.	Description	Unit
1208N80	10 µL Hamilton CO-RE-Style Tip, 96-Format, Racked	96/rk, 24 rks/cs
1208N81	10 µL Hamilton CO-RE-Style Tip, 96-Format, Racked, Sterile	96/rk, 24 rks/cs
1208N82	10 µL Hamilton CO-RE-Style Tip, 96-Format, Racked, Filtered, Sterile	96/rk, 24 rks/cs

50 µL HANGING TIP RACKS

Thomas No.	Description	Unit
1209A53	50 µL Hamilton CO-RE-Style Tip, 96-Format, Racked	96/rk, 24 rks/cs
1208N83	50 µL Hamilton CO-RE-Style Tip, 96-Format, Racked, Sterile	96/rk, 24 rks/cs
1208N84	50 µL Hamilton CO-RE-Style Tip, 96-Format, Racked, Filtered, Sterile	96/rk, 24 rks/cs

300 µL HANGING TIP RACKS

Thomas No.	Description	Unit
1209A54	300 µL Hamilton CO-RE-Style Tip, 96-Format, Racked	96/rk, 24 rks/cs
1208N85	300 µL Hamilton CO-RE-Style Tip, 96-Format, Racked, Sterile	96/rk, 24 rks/cs
1208N86	300 µL Hamilton CO-RE-Style Tip, 96-Format, Racked, Filtered, Sterile	96/rk, 24 rks/cs

1,000 µL HANGING TIP RACKS

Thomas No.	Description	Unit
1208N87	1,000 µL Hamilton CO-RE-Style Tip, 96-Format, Racked, Sterile	96/rk, 16 rks/cs
1208N88	1,000 µL Hamilton CO-RE-Style Tip, 96-Format, Racked, Filtered, Sterile	96/rk, 16 rks/cs
1149X02	Axygen 1000 µL Hamilton CO-RE Style Liquid Level Sensing Tip	96/rk, 5 rks/pk



1209N90



1208N94



1208N98



*Not to scale

HAMILTON-STYLE ROBOTIC TIPS

DECK-SEATING NESTED TIP RACKS

4 nested racks/pack, 30 packs/case

Thomas No.	Description	Unit
1208N90	10 µL Hamilton CO-RE-Style Tip, 96-Nested Tip Rack Stack Format	96/rk, 120 rks/cs
1208N94	50 µL Hamilton CO-RE-Style Tip, 96-Nested Tip Rack Stack Format	96/rk, 120 rks/cs
1208N98	300 µL Hamilton CO-RE-Style Tip, 96-Nested Tip Rack Stack Format	96/rk, 120 rks/cs

AGILENT®-STYLE ROBOTIC TIPS

Compatible with Velocity11 VPrep® and Bravo

Axygen offers a comprehensive line of tips in 96 and 384-well format that are designed for Agilent/Velocity VPrep and Bravo 96LT, 8LT, 384ST, 96ST and 16ST head. These tips are manufactured to stringent specifications under strict process controls and assembled via automation to ensure consistent performance and quality. Some of these tips are also available with low retention Maxymum Recovery® technology to further improve accuracy and precision while reducing sample loss.

- Made of clear polypropylene with standard or Axxygen Maxymum Recovery surface
- Certified DNase, RNase, human DNA and pyrogen free
- Available with or without aerosol-resistant filters
- Available in sterile, non-sterile and wide bore formats
- Compatible head – 96LT, 8LT
- Polypropylene rack has a standard ANSI/SLAS footprint

96-WELL FORMAT AGILENT-STYLE ROBOTIC TIPS

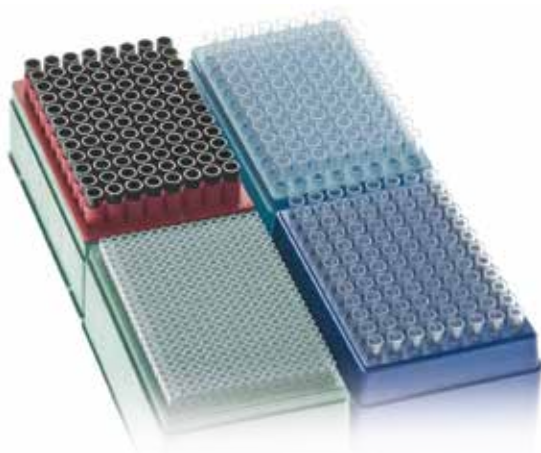
Thomas No.	Description	Unit
1222A42	20 µL Agilent-Style Tip, 96-Format, Racked	96/rk; 50 rks/cs
1222A45	20 µL Agilent-Style Tip, 96-Format, Racked, Sterile	96/rk; 50 rks/cs
1222A65	20 µL Agilent-Style Tip, 96-Format, Racked, Filtered, Sterile	96/rk; 50 rks/cs
1190X44	50 µL Agilent-Style Tip, 96-Format, Racked	96/rk; 50 rks/cs
1222A63	165 µL Agilent-Style Tip, 96-Format, Racked, Filtered, Sterile	96/rk; 50 rks/cs
1222A61	165 µL Agilent-Style Tip, 96-Format, Racked, Filtered, Max Recovery, Sterile	96/rk; 50 rks/cs
1222A47	250 µL Agilent-Style Tip, 96-Format, Racked	96/rk; 50 rks/cs
1149X35	250 µL Agilent-Style Tip, 96-Format, Racked, Max Recovery	96/rk; 50 rks/cs
1222A50	250 µL Agilent-Style Tip, 96-Format, Racked, Sterile	96/rk; 50 rks/cs

384-WELL FORMAT AGILENT-STYLE ROBOTIC TIPS

Thomas No.	Description	Unit
1222A57	5 µL Agilent-Style Tip, 384-Format, Racked	384/rk; 50 rks/cs
19A00M019	5 µL Agilent-Style Tip, 384-Format, Racked, Max Recovery	384/rk; 50 rks/cs
19A00M020	5 µL Agilent-Style Tip, 384-Format, Racked, Max Recovery, Sterile	384/rk; 50 rks/cs
1222A53	10 µL Agilent-Style Tip, 384-Format, Racked	384/rk; 50 rks/cs
1222A54	10 µL Agilent-Style Tip, 384-Format, Racked, Sterile	384/rk; 50 rks/cs
19A00M021	10 µL Agilent-Style Tip, 384-Format, Racked, Max Recovery	384/rk; 50 rks/cs
1222A66	15 µL Agilent-Style Tip, 384-Format, Racked, Filtered, Sterile	384/rk; 50 rks/cs
19A00M022	15 µL Agilent-Style Tip, 384-Format, Racked, Filtered, Max Recovery, Sterile	384/rk; 50 rks/cs
1222A55	30 µL Agilent-Style Tip, 384-Format, Racked	384/rk; 50 rks/cs
1190X43	30 µL Agilent-Style Tip, 384-Format, Racked, Fine Point	384/rk; 50 rks/cs
1222A56	30 µL Agilent-Style Tip, 384-Format, Racked, Sterile	384/rk; 50 rks/cs
19A00M023	30 µL Agilent-Style Tip, 384-Format, Racked, Max Recovery	384/rk; 50 rks/cs
19A00M024	30 µL Agilent-Style Tip, 384-Format, Racked, Max Recovery, Sterile	384/rk; 50 rks/cs
1222A67	50 µL Agilent-Style Tip, 384-Format, Racked, Filtered, Sterile	384/rk; 50 rks/cs
19A00M025	50 µL Agilent-Style Tip, 384-Format, Racked, Filtered, Max Recovery, Sterile	384/rk; 50 rks/cs
1222A59	70 µL Agilent-Style Tip, 384-Format, Racked	384/rk; 50 rks/cs
1222A60	70 µL Agilent-Style Tip, 384-Format, Racked, Sterile	384/rk; 50 rks/cs
1145L56	70 µL Agilent-Style Tip, 384-Format, Racked, Max Recovery	384/rk; 50 rks/cs
19A00M026	70 µL Agilent-Style Tip, 384-Format, Racked, Max Recovery, Sterile	384/rk; 50 rks/cs



*Not to scale



PERKIN ELMER/ZYMARK®/CALIPER-STYLE ROBOTICS TIPS

Compatible with RapidPlate® and SciClone® Workstations

Axygen offers a comprehensive line of tips for Perkin Elmer/Zymark/Caliper automation systems. These tips are manufactured to stringent specifications under strict process controls and assembled via automation to ensure consistent performance and quality. Tips are DNase, RNase and pyrogen free. Available in nonsterile, sterile, non-filtered, filtered and wide-bore. Also available in Maxymum Recovery to further improve accuracy and precision while reducing sample loss.

PERKIN ELMER/ZYMARK/CALIPER-STYLE ROBOTICS TIPS

Thomas No.	Description	Unit
1222A82	50 µL Tip, 96-Format, Clear	10 rks/pk; 5 pks/cs
1222A83	50 µL Tip, 96-Format, Clear, Sterile	10 rks/pk; 5 pks/cs
1222A91	50 µL Tip, 96-Format, Clear, Filtered, Sterile	10 rks/pk; 5 pks/cs
1222A70	100 µL Tip, 96-Format, Clear	10 rks/pk; 5 pks/cs
1222A71	100 µL Tip, 96-Format, Clear, Sterile	10 rks/pk; 5 pks/cs
1222A85	100 µL Tip, 96-Format, Clear, Filtered, Sterile	10 rks/pk; 5 pks/cs
1222A74	200 µL Tip, 96-Format, Clear	10 rks/pk; 5 pks/cs
1222A75	200 µL Tip, 96-Format, Clear, Sterile	10 rks/pk; 5 pks/cs
1222A87	200 µL Tip, 96-Format, Clear, Filtered, Sterile	10 rks/pk; 5 pks/cs
1148H08	25 µL Tip, 384-Format, Clear	10 rks/pk; 5 pks/cs
20A00A007	25 µL Tip, 384-Format, Clear, Sterile	10 rks/pk; 5 pks/cs



21A00G531



21A00G533



21A00G535

ALPHAGEM PE/ZYMARK/CALIPER AUTOMATION TIPS

CLEAR FILTERED AUTOMATION TIPS

Thomas No.	Description	Unit
21A00G531	50 µL Tip, 96-Format, Clear, Filtered	10 rks/pk; 5 pks/cs
21A00G533	100 µL Tip, 96-Format, Clear, Filtered	10 rks/pk; 5 pks/cs
21A00G535	200 µL Tip, 96-Format, Clear, Filtered	10 rks/pk; 5 pks/cs

CLEAR NON-FILTERED AUTOMATION TIPS

Thomas No.	Description	Unit
21A00G525	50 µL Tip, 96-Format, Clear, Non-Filtered	10 rks/pk; 5 pks/cs
21A00G527	100 µL Tip, 96-Format, Clear, Non-Filtered	10 rks/pk; 5 pks/cs
21A00G529	200 µL Tip, 96-Format, Clear, Non-Filtered	10 rks/pk; 5 pks/cs

AGILENT®-STYLE ROBOTIC TIPS

Compatible with Agilent® and Agilent Bravo® Workstations



21A00C635

Thomas No.	Description	Unit
20A00R082	30 µL Tip, 384-Format, Clear, Non-Filtered, Non-Sterile	10 rks/pk; 5 pks/cs
20A00R084	30 µL Tip, 384-Format, Clear, Non-Filtered, Sterile	10 rks/pk; 5 pks/cs
20A00R088	30 µL Tip, 384-Format, Clear, Filtered, Sterile	10 rks/pk; 5 pks/cs
21A00C635	70 µL Tip, 384-Format, Natural with Filter, Sterile	10 rks/pk; 5 pks/cs
20A00L034	170 µL Tip, 96-Format, Clear, Filtered, Sterile	10 rks/pk; 5 pks/cs
20A00R083	250 µL Tip, 96-Format, Non-Filtered, Non-Sterile	10 rks/pk; 5 pks/cs
21A00B807	250 µL Tip, 96-Format, Clear, Racked, Sterile, Low Retention	10 rks/pk; 5 pks/cs



BECKMAN BIOMEK®-STYLE ROBOTIC TIPS

Compatible with Biomek FX, NX and 3000 Platforms

- No setup necessary – use existing tip definitions
- Lot by lot functional testing on Biomek FX / NX liquid handler
- Sturdy, non-bowing racks
- Certified DNase, RNase, human DNA and PCR inhibitor free
- Sterile racks are also pyrogen-free

20 µL, BLUE RACK

Thomas No.	Description	Unit
1148C12	20 µL Biomek FX-Type Tip, 96-Format, Racked	10 rks/pk; 5 pks/cs
1148C13	20 µL Biomek FX-Type Tip, 96-Format, Racked, Sterile	10 rks/pk; 5 pks/cs
1159V56	20 µL Biomek FX-Type Tip, 96-Format, Racked, Filtered, Sterile	10 rks/pk; 5 pks/cs

50 µL, ORANGE RACK

Thomas No.	Description	Unit
1148C24	50 µL Biomek FX-Type Tip, 96-Format, Racked	10 rks/pk; 5 pks/cs
1148C26	50 µL Biomek FX-Type Tip, 96-Format, Racked, Sterile	10 rks/pk; 5 pks/cs
1148C27	50 µL Biomek FX-Type Tip, 96-Format, Racked, Filtered, Sterile	10 rks/pk; 5 pks/cs

250 µL, GREEN RACK

Thomas No.	Description	Unit
1148C19	250 µL Biomek FX-Type Tip, 96-Format, Racked	10 rks/pk; 5 pks/cs
1148C21	250 µL Biomek FX-Type Tip, 96-Format, Racked, Sterile	10 rks/pk; 5 pks/cs
1159V60	250 µL Biomek FX-Type Tip, 96-Format, Racked, Filtered, Sterile	10 rks/pk; 5 pks/cs

30 µL, WHITE RACK

Thomas No.	Description	Unit
1148C28	30 µL Biomek FX-Type Tip, 384-Format, Racked	10 rks/pk; 5 pks/cs
1148C29	30 µL Biomek FX-Type Tip, 384-Format, Racked, Sterile	10 rks/pk; 5 pks/cs



1148C12



1148C24



1148C19



1148C28



BECKMAN AUTOMATION TIPS

For Beckman Automated Liquid Handling System

Thomas No.	Description	Unit
21A00G515	20 µL Tip, 96-Format, Clear, Racked	10 rks/pk; 5 pks/cs
21A00G519	20 µL Tip, 96-Format, Clear, Racked, Filtered	10 rks/pk; 5 pks/cs
21A00G517	250 µL Tip, 96-Format, Clear, Racked	10 rks/pk; 5 pks/cs
21A00G522	165 µL Tip, 96-Format, Clear, Racked, Filtered	10 rks/pk; 5 pks/cs



Nest Scientific USA Inc.

BECKMAN ROBOTIC TIPS

For Beckman FX/NX, Biomek i5/ i7 and Biomek 3000



Thomas No.	Description	Unit
21A00B512	250 µL Robotic Tip, Beckman, Sterile	96/pk; 4800/cs
21A00B514	190 µL Robotic Filter Tip, Beckman, Sterile	96/pk; 4800/cs
21A00B513	1070 µL Robotic Tip, Beckman, Sterile	96/pk; 4800/cs
21A00B515	1000 µL Robotic Filter Tip, Beckman, Sterile	96/pk; 4800/cs

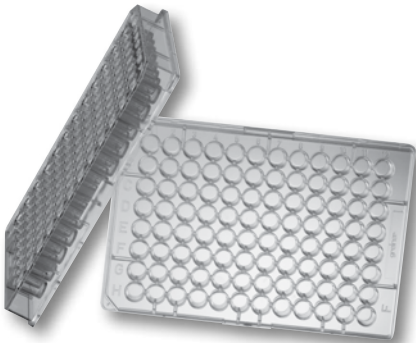


MICROPLATES IN ALL STYLES

The Thomas Bio Solutions service of Thomas Scientific specializes in both manual and automated workflows using microtiter plates. We carry plates from most manufacturers including Corning, Greiner and Agilent.

From standard 96-well ELISA plates to 1,536-well plates for polarization fluorescence, we have a solution for every need at prices that you can afford. We also carry deep well plates, specialty and filter plates.

All plates can usually be custom-coated/treated and barcoded. Contact us for more information at 833-544-SHIP (7447).



1184P95



1184J52
1184J53



1184P55

ADVANCED TC™ MICROPLATES

An Innovative Product for the Cultivation of Fastidious Cells

- Optimized cell adherence
- Increased cell yield
- Lid included
- White and black plates are designed to reduce well-to-well crosstalk during fluorescent/luminescent assays
- µClear® microplates feature a clear film bottom

ADVANCED TC MICROPLATES

Thomas No.	Description	Unit
1184J50	96-Well Plate, Flat Bottom, Chimney Style, Clear, Sterile	1/pk; 100/cs
1184J51	96-Well Plate, Flat Bottom, Chimney Style, Clear, Sterile	10/pk; 160/cs
1184J52	96-Well Plate, Flat µClear Bottom, Chimney Style, White, Sterile	8/pk; 32/cs
1184J53	96-Well Plate, Flat µClear Bottom, Chimney Style, Black, Sterile	8/pk; 32/cs
1184J54	96-Well Plate, Half-Area, Flat µClear Bottom, Chimney Style, White, Sterile	8/pk; 32/cs
1184J55	96-Well Plate, Half-Area, Flat µClear Bottom, Chimney Style, Black, Sterile	8/pk; 32/cs
1184P70	384-Well Plate, Flat µClear Bottom, Chimney Style, White, Sterile	8/pk; 32/cs
1184P71	384-Well Plate, Flat µClear Bottom, Chimney Style, Black, Sterile	8/pk; 32/cs

UV-STAR® MICROPLATES

Expanded Optical Window Down to 230 nm

- DNA measurement at 260/280 nm
- Protein measurement at 280 nm
- Optical window down to 230 nm

UV-STAR MICROPLATES

Thomas No.	Description	Unit
1184Q85	96-Well Plate, Flat µClear Bottom, Chimney Style, Clear	10/pk; 40/cs
1184Q86	96-Well Plate, Flat µClear Bottom, Chimney Style, Black COC	10/pk; 40/cs
1184Q88	384-Well Plate, Flat µClear Bottom, Clear	10/pk; 40/cs
1184Q87	96-Well Plate, Half-Area, Flat µClear Bottom, Chimney Style, Clear	10/pk; 40/cs
1149M43	384-Well Plate, Small Volume, LoBase, Flat µClear Bottom, Black COC	10/pk; 80/cs

CLEAR ASSAY PLATES

96-WELL CLEAR POLYSTYRENE ASSAY PLATES

Thomas No.	Description	Unit
1184P89	Flat Bottom	10/pk; 100/cs
1184J48	Flat Bottom, Sterile	2/pk; 100/cs
1184Q01	Flat Bottom, Chimney Style, MICROLON® 600, High Bind, Sterile	10/pk; 40/cs
1184Q11	Half-Area, Flat Bottom, Chimney Style, MICROLON 600, High Bind, Sterile	10/pk; 40/cs
1184P86	Round Bottom	10/pk; 100/cs
1184J43	Round Bottom, Sterile	2/pk; 100/cs
1184P88	Conical Bottom	10/pk; 100/cs
1184J46	Conical Bottom, Sterile	2/pk; 100/cs
1184J32	96W CELLSTAR Plate, PS, TC Treated, Sterile, Flat Bottom, Chimney Style, Clear, w/Lid	100/cs
1184J29	96W CELLSTAR Plate, PS, TC Treated, Sterile, Flat Bottom, Chimney Style, White µClear, w/Lid	32/cs
1184J28	96W CELLSTAR Plate, PS, TC Treated, Sterile, Flat Bottom, Chimney Style, Black µClear, w/Lid	32/cs

384-WELL CLEAR POLYSTYRENE ASSAY PLATES

Thomas No.	Description	Unit
1184Q20	Flat Bottom	10/pk; 100/cs
1184Q23	Flat Bottom, Sterile w/ Lid	8/pk; 32/cs
1184Q24	Flat Bottom, High Bind, Sterile	10/pk; 40/cs
1184P60	CELLSTAR® TC, Flat Bottom, Sterile w/ Lid	8/pk; 32/ps

WHITE AND BLACK ASSAY PLATES

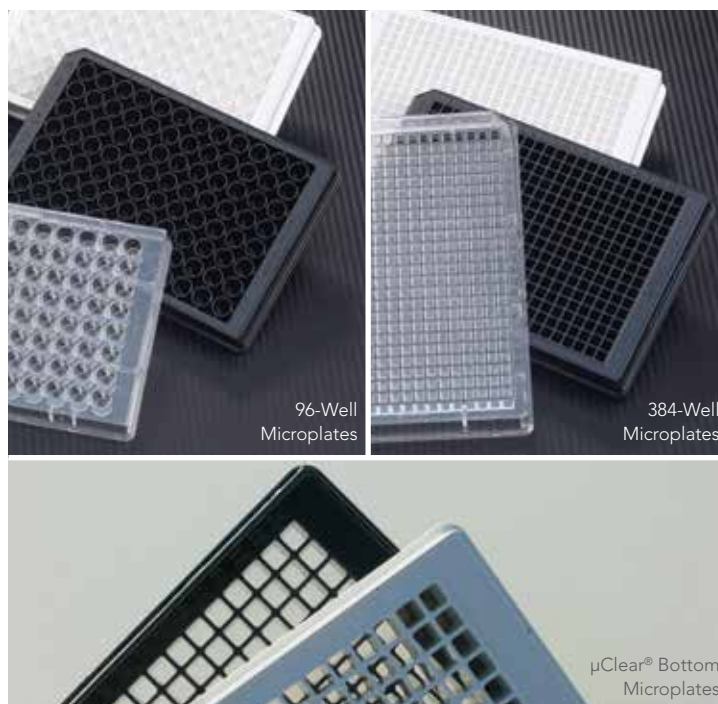
- White and black plates are designed to reduce well-to-well cross-talk during fluorescent/luminescent assays
- µClear® microplates feature a clear film bottom

96-WELL WHITE POLYSTYRENE ASSAY PLATES

Thomas No.	Description	Unit
1184P97	Flat Bottom, Chimney Style	10/pk; 40/cs
1184P96	Flat Bottom, Chimney Style, LUMITRAC™ 600, High Bind, Sterile	10/pk; 40/cs
1184Q12	Half-Area, Flat Bottom, LUMITRAC 600, High Bind, Sterile	10/pk; 40/cs
1184Q04	Flat µClear Bottom, Chimney Style	10/pk; 40/cs
1184Q03	Flat µClear Bottom, Chimney Style, LUMITRAC 600, High Bind, Sterile	10/pk; 40/cs

384-WELL WHITE POLYSTYRENE ASSAY PLATES

Thomas No.	Description	Unit
1184Q26	Flat Bottom	10/pk; 40/cs
1184Q25	Flat Bottom, LUMITRAC 600, High Bind, Sterile	10/pk; 40/cs
1184P50	Flat Bottom, CELLSTAR TC, Sterile	10/pk; 40/cs
1184P52	Flat Bottom, CELLSTAR TC, Sterile w/ Lid	8/pk; 32/cs
1184Q41	Small Volume, HiBase, LUMITRAC 200	10/pk; 40/cs
1184P63	Small Volume, HiBase, CELLSTAR TC, Sterile w/ Lid	8/pk; 32/cs
1184Q30	Flat µClear Bottom	10/pk; 40/cs
1184P57	Flat µClear Bottom, CELLSTAR TC, Sterile	10/pk; 40/cs
1184P58	Flat µClear Bottom, CELLSTAR TC, Sterile w/ Lid	8/pk; 32/cs
1184Q49	Small Volume, LoBase, Flat µClear Bottom	10/pk; 80/cs
1184P69	Small Volume, LoBase, Flat µClear Bottom, CELLSTAR TC, Sterile	10/pk; 80/cs



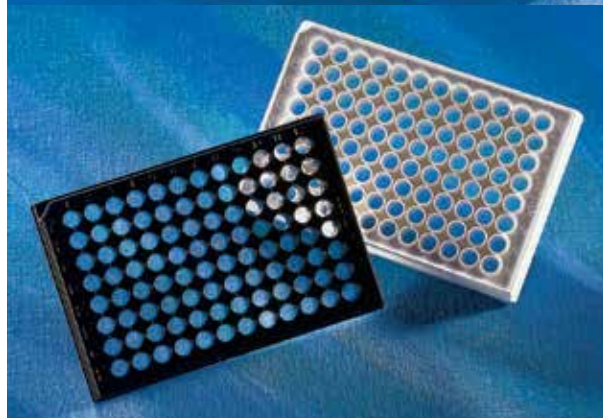
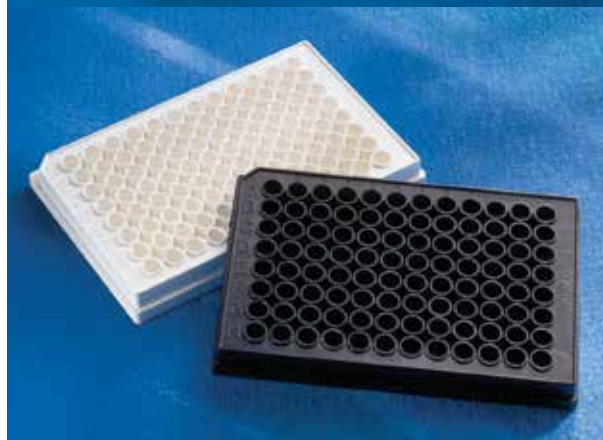
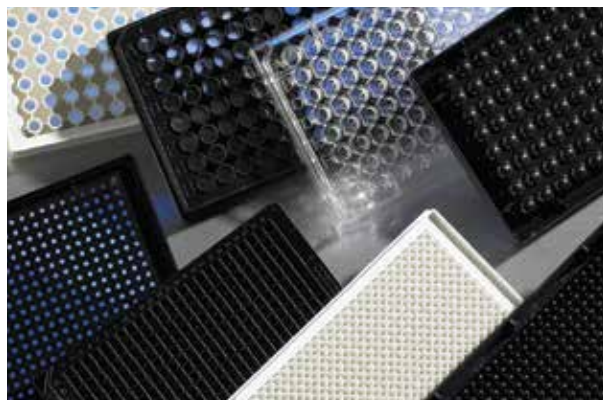
96-WELL BLACK POLYSTYRENE ASSAY PLATES

Thomas No.	Description	Unit
1184P98	Flat Bottom, Chimney Style	10/pk; 40/cs
1184P99	Flat Bottom, Chimney Style, FLUOTRAC™ 600, High Bind, Sterile	10/pk; 40/cs
1184Q15	Half-Area, Flat Bottom, FLUOTRAC 600, High Bind, Sterile	10/pk; 40/cs
1184Q05	Flat µClear Bottom, Chimney Style	10/pk; 40/cs
1184Q06	Flat µClear Bottom, Chimney Style, FLUOTRAC 600, High Bind, Sterile	10/pk; 40/cs

384-WELL BLACK POLYSTYRENE ASSAY PLATES

Thomas No.	Description	Unit
1184Q27	Flat Bottom	10/pk; 40/cs
1184Q28	Flat Bottom, FLUOTRAC 600, High Bind, Sterile	10/pk; 40/cs
1184P51	Flat Bottom, CELLSTAR TC, Sterile	10/pk; 40/cs
1184P53	Flat Bottom, CELLSTAR TC, Sterile w/ Lid	8/pk; 32/cs
1184Q42	Small Volume, HiBase, FLUOTRAC 200	10/pk; 40/cs
1184P64	Small Volume, HiBase, CELLSTAR TC, Sterile w/ Lid	8/pk; 32/cs
1184P66	Small Volume, LoBase, CELLSTAR TC, Sterile w/ Lid	15/pk; 60/cs
1184Q31	Flat µClear Bottom	10/pk; 40/cs
1184Q32	Flat µClear Bottom, FLUOTRAC 600, High Bind, Sterile	10/pk; 40/cs
1184P56	Flat µClear Bottom, CELLSTAR TC, Sterile	10/pk; 40/cs
1184P55	Flat µClear Bottom, CELLSTAR TC, Sterile w/ Lid	8/pk; 32/cs
1184Q50	Small Volume, LoBase, Flat µClear Bottom	10/pk; 80/cs

CORNING



CORNING® 96/384-WELL MICROPLATES

Corning offers a complete line of 96 and 384-well polystyrene microplates with a variety of modified surfaces to support various application requirements and improve assay performance.

- Non-binding surface (NBS) is a Corning proprietary technology that reduces non-specific binding and increases assay signal to noise
- Corning CellBIND® provides improved consistency and even cell attachment
- Ultra-low attachment hydrogel minimizes cell attachment, protein absorption, enzyme activation and cellular activation

96-WELL CLEAR POLYSTYRENE MICROPLATES

- Cell culture microplates are sterile and nonpyrogenic

Thomas No.	Description	Unit
1221V39	96-Well Ultra-Low Attachment Plate, Round Bottom, Clear w/ Lid, Sterile	1/pk; 24/cs
6928B45	96-Well High Binding Plate, Flat Bottom, Clear	1/pk; 100/cs
6928C03	96-Well High Binding Plate, Half Area, Flat Bottom, Clear	25/pk; 100/cs
6928B30	96-Well High Binding Plate, Easy Wash Bottom, Clear	25/pk; 100/cs
6928A09	96-Well TC Plate, Flat Bottom, Clear w/ Lid, Sterile	20/pk; 100/cs
6928C13	96-Well TC Plate, Half Area, Flat Bottom, Clear w/ Lid, Sterile	20/pk; 100/cs

96-WELL SOLID BLACK/WHITE POLYSTYRENE MICROPLATES

- Designed to reduce well-to-well cross-talk during fluorescent and luminescent assays

Thomas No.	Description	Unit
1234J45	96-Well NBS Plate, Flat Bottom, White	25/pk; 100/cs
1234H82	96-Well NBS Plate, Flat Bottom, Black	25/pk; 100/cs
6928C27	96-Well NBS Plate, Half Area, Flat Bottom, White	5/pk; 25/cs
6928C28	96-Well NBS Plate, Half Area, Flat Bottom, Black	5/pk; 25/cs
6911A05	96-Well TC Plate, Flat Bottom, White w/ Lid, Sterile	20/pk; 100/cs
6911A00	96-Well TC Plate, Flat Bottom, Black w/ Lid, Sterile	20/pk; 100/cs
6928C01	96-Well TC Plate, Half Area, Flat Bottom, White w/ Lid, Sterile	20/pk; 100/cs
6928C18	96-Well TC Plate, Half Area, Flat Bottom, Black w/ Lid, Sterile	20/pk; 100/cs

96-WELL CLEAR BOTTOM BLACK/WHITE POLYSTYRENE MICROPLATES

- 60% thinner bottoms enable readings down to 340 nm
- Suited for fluorescent and luminescent assays using either top or bottom detection microplate readers

Thomas No.	Description	Unit
1234H88	96-Well NBS Plate, Flat Bottom, White	25/pk; 100/cs
8600B28	96-Well NBS Plate, Flat Bottom, Black	25/pk; 100/cs
1234H34	96-Well CellBIND® Plate, Flat Bottom, Black w/ Lid, Sterile	5/pk; 50/cs
6928C24	96-Well TC Plate, Half Area, Flat Bottom, White w/ Lid, Sterile	20/pk; 100/cs
6928C21	96-Well TC Plate, Half Area, Flat Bottom, Black w/ Lid, Sterile	20/pk; 100/cs
0330F67	96-Well TC Plate, Special Optics, Flat Bottom, Black, Sterile	25/pk; 100/cs

384-WELL CLEAR POLYSTYRENE MICROPLATES

- Total well volume of 112 μ L – working well volume of 20 μ L to 80 μ L
- Cell culture microplates are sterile and nonpyrogenic
- Manufactured using an advanced polymer with high clarity and improved chemical resistance

Thomas No.	Description	Unit
0320J73	384-Well High Binding Plate, Flat Bottom, Clear	25/pk; 100/cs

384-WELL SOLID BLACK/WHITE POLYSTYRENE MICROPLATES

- Designed to reduce well-to-well cross-talk during fluorescent and luminescent assays

Thomas No.	Description	Unit
1230F87	384-Well NBS Plate, Low Volume, Flat Bottom, White	10/pk; 50/cs
1230G13	384-Well NBS Plate, Low Volume, Flat Bottom, Black	10/pk; 50/cs
1230F62	384-Well TC Plate, Flat Bottom, White w/ Lid, Sterile	10/pk; 50/cs
1230F59	384-Well TC Plate, Flat Bottom, Black w/ Lid, Sterile	10/pk; 50/cs
1230F85	384-Well TC Plate, Low Volume, Flat Bottom, White w/ Lid, Sterile	10/pk; 50/cs
1230F60	384-Well TC Plate, Low Volume, Flat Bottom, Black w/ Lid, Sterile	10/pk; 50/cs

384-WELL CLEAR BOTTOM BLACK/WHITE POLYSTYRENE MICROPLATES

- Suited for fluorescent and luminescent assays using either top or bottom detection microplate readers

Thomas No.	Description	Unit
1234H91	384-Well Not Treated Plate, Low Volume, Flat Bottom, Black	10/pk; 50/cs
1170X97	384-Well NBS Plate, Flat Bottom, White	25/pk; 100/cs
1215C48	384-Well NBS Plate, Flat Bottom, Black	25/pk; 100/cs
1233Y00	384-Well NBS Plate, Low Volume, Flat Bottom, Black	10/pk; 50/cs
1170X99	384-Well Ultra-Low Attachment Plate, Flat Bottom, Black w/ Lid, Sterile	20/pk; 100/cs
1215C50	384-Well CellBIND® Plate, Flat Bottom, Black w/ Lid, Sterile	10/pk; 50/cs
1170X96	384-Well TC Plate, Flat Bottom, White w/ Lid, Sterile	20/pk; 100/cs
1234J52	384-Well TC Plate, Low Volume, Flat Bottom, Black w/ Lid, Sterile	10/pk; 50/cs
6906F06	384-Well TC Plate, Optical Imaging, Flat Bottom, Black w/ Lid, Sterile	20/pk; 100/cs

CORNING® SPHEROID MICROPLATES

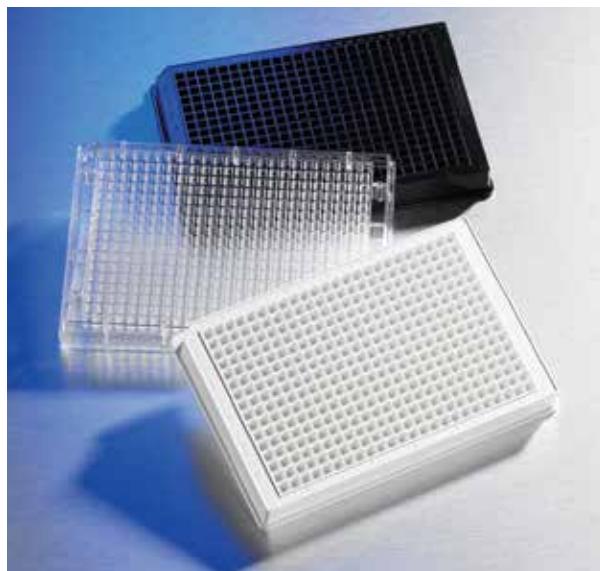
Ideal for Generating and Analyzing 3D Multicellular Spheroids

- Ultra-low attachment surface enables uniform and reproducible 3D multicellular spheroid formation
- Optically clear round bottom with black opaque microplate body
- Covalent attachment reduces cellular adhesion to well surface

96 AND 384-WELL SPHEROID MICROPLATES

Thomas No.	Description	Unit
1198D15	96-Well Spheroid Plate, Black w/ Clear Round Bottom, Sterile	10/pk; 50/cs
1194N76	96-Well Spheroid Plate, Black w/ Clear Round Bottom, Sterile	5/pk; 5/cs
1198D14	384-Well Spheroid Plate, Black w/ Clear Round Bottom, Sterile	10/pk; 50/cs
1194N77	384-Well Spheroid Plate, Black w/ Clear Round Bottom, Sterile	5/pk; 5/cs

CORNING





1167W15



1167W11

1167W07



1167W33

KRYSTAL™ CLEAR BOTTOM ASSAY PLATES

Optimized for Fluorescence and Luminescence Assays

- Made of ultra pure grade polystyrene
- ANSI/SLAS standard footprint
- Ultra-sonic welding delivers market leading plate flatness
- Opaque walls to prevent well-to-well crosstalk
- Clear plate bottom permits direct microscopic viewing
- For use with top or bottom reading instruments
- Sterile TC-treated plates also available

24-WELL PLATES

Thomas No.	Description	Unit
1167W07	24-Well Plate, 3.1 mL, Clear 0.75 mm Thick Bottom, White	68/cs
1167W09	24-Well Plate, 3.1 mL, Clear 0.75 mm Thick Bottom, Black	68/cs

96-WELL PLATES

Thomas No.	Description	Unit
1167W11	96-Well Plate, 350 µL, Clear 0.75 mm Thick Bottom, White	100/cs
1167W13	96-Well Plate, 350 µL, Clear 0.75 mm Thick Bottom, Black	100/cs

384-WELL PLATES

Thomas No.	Description	Unit
1167W15	384-Well Plate, 120 µL, Clear 0.40 mm Thick Bottom, White	100/cs
1167W17	384-Well Plate, 120 µL, Clear 0.40 mm Thick Bottom, Black	100/cs

384-WELL KRYSTAL™ GLASS BOTTOM IMAGING PLATES

Manufactured for Whole-Plate CCD Imaging and Laser Detection Applications

- 175µm glass thickness
- +/-15µm flatness across base
- 335nm UV optical cut-off
- Industry-standard well layout
- Very low autofluorescence
- High degree of planar flatness
- Biocompatible adhesive
- Resistant to alcohol, DMSO and PBS
- Robot friendly
- Manufactured to ANSI/SLAS specification

384-WELL BLACK GLASS BOTTOM IMAGING PLATES WITH LID

Thomas No.	Description	Unit
1167W33	384 Well Black Glass Bottomed Imaging Plates w/Lid	10/cs
1167W34	384 Well Black Glass Bottomed Imaging Plates w/Lid, Sterile	10/cs
1167W35	384 Well White Glass Bottomed Imaging Plates w/Lid	10/cs
1167W36	384 Well White Glass Bottomed Imaging Plates w/Lid, Sterile	10/cs

AGILENT TECHNOLOGIES FILTER PLATES

Ideal for Sample Collection, Preparation and Storage



Agilent filtration plates come in a wide range of filtration media and they are all suitable for vacuum/positive pressure manifolds or centrifugation. 4-well configurations (140 μ L to 15 mL/well) are also available.

- ANSI/SLAS standard footprint
- Certified DNase and RNase free
- Custom solutions also available

24-WELL FILTER PLATES

Thomas No.	Description	Unit
1149Q94	24-Well Filter Plate w/ 0.2 μ m PES Membrane, 10 mL/well, Long Drip	20/cs
1149Q91	24-Well Filter Plate w/ 0.45 μ m PVDF Membrane, 10 mL/well, Long Drip	20/cs



1149P95

48-WELL FILTER PLATES

Thomas No.	Description	Unit
1149P57	48-Well Filter Plate w/ 25 μ m PE Frit, 5mL/well, X-Long Drip	25/cs
1149P95	48-Well Filter Plate w/ 25 μ m PE Frit 7.5mL/well, Long Drip	15/cs



1149Q63

96-WELL SMALL VOLUME FILTER PLATES

Thomas No.	Description	Unit
1149Q52	96-Well Filter Plate w/ 0.45 μ m Nylon Membrane, 300 μ L/well, Short Drip	50/cs
1149P84	96-Well Filter Plate w/ 0.45 μ m PVDF Membrane, 300 μ L/well, Long Drip	50/cs
1149P87	96-Well Filter Plate w/ 0.7 μ m Glass Fiber Membrane, 300 μ L/well, Long Drip	50/cs
1149P88	96-Well Filter Plate w/ 25 μ m High Molecular Weight PE Membrane, 300 μ L/well, Long Drip	50/cs
1149Q63	96-Well Filter Plate w/ 0.2 μ m PES Membrane, 2 mL/well, Long Drip	25/cs
1149P67	96-Well Filter Plate w/ 0.45 μ m PP Membrane, 400 μ L/well, Long Drip	25/cs
1149Q00	96-Well Filter Plate w/ 10 KDa PES Membrane, 400 μ L/well, Short Drip	25/cs
1149Q46	96-Well Filter Plate w/ 100 KDa PES Membrane, 400 μ L/well, Short Drip	25/cs
1149Q01	96-Well Filter Plate w/ 30 KDa PES Membrane, 400 μ L/well, Short Drip	25/cs
1149Q47	96-Well Filter Plate w/ 300 KDa PES Membrane, 400 μ L/well, Short Drip	25/cs
1149P60	96-Well Filter Plate w/ 0.45 μ m PVDF Membrane, 800 μ L/well, Long Drip	25/cs
1149P63	96-Well Filter Plate w/ 0.7 μ m Glass Fiber Membrane, 800 μ L/well, Long Drip	25/cs
1149P59	96-Well Filter Plate w/ 1.2 μ m Glass Fiber Membrane, 800 μ L/well, Long Drip	25/cs
1149P58	96-Well Filter Plate w/ 25 μ m High Molecular Weight PE Membrane, 800 μ L/well, Long Drip	25/cs



1149Q49

96-WELL LARGE VOLUME FILTER PLATES

Thomas No.	Description	Unit
1149J16	96-Well Half-Skirt Plate w/ 4 x 0.7 μ m Glass Fiber Membrane, 1 mL/well, Long Drip w/Turbine	35/cs
1149Q49	96-Well Half-Skirt Plate w/ 25 μ m PE Frit, 1 mL/well, Long Drip w/Turbine	35/cs
1149Q58	96-Well Filter Plate for Protein Precipitation, 1.8 mL/well, Long Drip	5/cs
1149P98	96-Well Filter Plate w/ 0.45 μ m PP Membrane, 2 mL/well, Long Drip	25/cs
1149P54	96-Well Filter Plate w/ 25 μ m PE Frit, 2 mL/well, Long Drip	25/cs

384-WELL FILTER PLATES

Thomas No.	Description	Unit
1149Q06	384-Well Filter Plate w/ 0.7 μ m Glass Fiber Membrane, 140 μ L/well, Long Drip	10/cs
1149Q09	384-Well Filter Plate w/ 25 μ m PE Frit, 140 μ L/well, Long Drip	10/cs



1149Q09



AGILENT AUTOMATION RESERVOIRS

Specialized Reservoirs Simplify Small Volume Transfers

Thomas Scientific offers one of the broadest ranges of polypropylene automation reservoirs available. All units conform to the SBS format. The 96 and 384-well automation reservoirs have a V-bottom under each position to allow robotic pipetting stations to retrieve as much liquid as possible. Several automation reservoirs are also available with control wells, so that a separate reservoir doesn't have to be used. 6, 8 and 12-column partitioned reservoirs are also available. Available in sterile.

- ANSI/SLAS standard footprint
- Made of sturdy virgin polypropylene
- Autoclavable and chemical resistant
- Certified DNase and RNase free



1149Q22



1149Q23



1149Q24



1149Q29



1149J12

COLUMN FORMAT RESERVOIRS

Thomas No.	Description	Unit
1149Q22	96-Well, 12-Column Reservoir, Deep-Well, Divided, V-Bottom, 252 mL	25/cs
1149Q20	96-Well, 12-Column Reservoir, Deep-Well, Undivided, Low Dead Volume, Pyramid Bottom, 290 mL	25/cs
1149Q30	96-Well, 12-Column Reservoir, Low Profile, Divided, Pyramid Bottom, 84 mL	25/cs
1149P51	96-Well, 12-Column Reservoir, Half Height, Undivided, Pyramid Bottom, 170 mL	25/cs
1149Q32	24-Well, 6-Column Reservoir, Deep-Well, Divided, Pyramid Bottom, 282 mL	25/cs
1149Q37	384-Well, 24-Column Reservoir, Low Profile, Divided, Pyramid Bottom, 78 mL	25/cs
1149Q38	96-Well, 12-Column, 2-Row Reservoir, Low Profile, Divided, Pyramid Bottom, 84 mL	25/cs
1149Q42	4-Well, 4-Column Reservoir, Deep-Well, Divided, V-Bottom, 292 mL	25/cs

ROW FORMAT RESERVOIRS

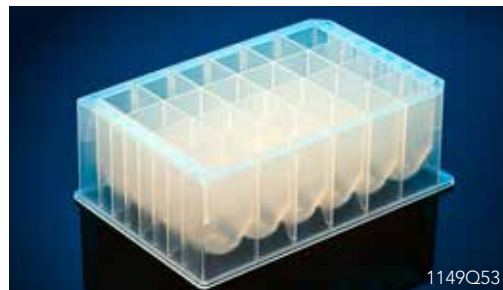
Thomas No.	Description	Unit
1149Q21	96-Well, 8-Row Reservoir, Deep-Well, Undivided, Pyramid Bottom, 290 mL	25/cs
1149Q31	96-Well, 8-Row Reservoir, Low Profile, Divided, Pyramid Bottom, 85 mL	25/cs
1149Q23	96-Well, 8-Row Reservoir, Deep-Well, Divided, Pyramid Bottom, 256 mL	25/cs
1149Q36	384-Well, 16-Row Reservoir, Low Profile, Divided, Pyramid Bottom, 78 mL	25/cs
1149Q43	4-Well, 4-Row Reservoir, Deep-Well, Divided, 292 mL	25/cs

INDIVIDUAL WELL FORMAT RESERVOIRS

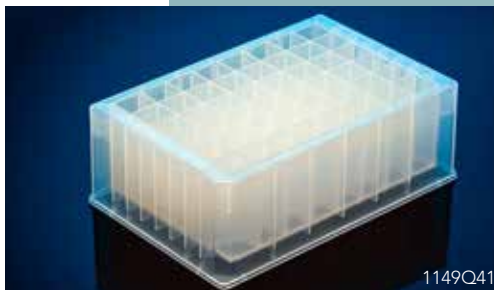
Thomas No.	Description	Unit
1149J12	96-Well, Individual Well Reservoir, Deep-Well, Undivided, Pyramid Bottom, 300 mL	25/cs
1149J14	96-Well, Individual Well Reservoir, Low Profile, Undivided, Pyramid Bottom, 86 mL	25/cs
1149Q24	384-Well, Individual Well Reservoir, Deep-Well, Undivided, Pyramid Bottom, 282 mL	25/cs
1149Q25	384-Well, Individual Well Reservoir, Low Profile, Undivided, Pyramid Bottom, 92 mL	25/cs
1149Q29	384-Well, 24-Column Reservoir, Low Profile, 4 Control Columns, Pyramid Bottom, 79.3 mL	25/cs
1149Q33	384-Well, Individual Well Reservoir, Deep-Well, 2 Control Columns, Pyramid Bottom, 282 mL	25/cs
1149Q39	384-Well, Individual Well Reservoir, Half Height, 4 Control Columns, Pyramid Bottom, 155 mL	25/cs
1149Q40	384-Well, Individual Well Reservoir, Half Height, 4 Control Columns, Pyramid Bottom, 155 mL	25/cs

OPEN FORMAT RESERVOIR

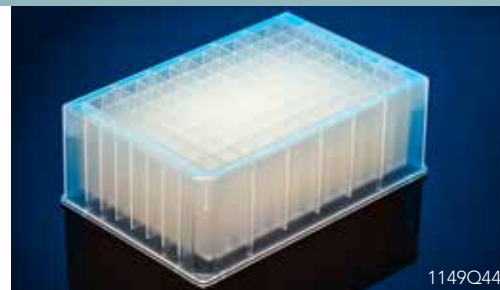
Thomas No.	Description	Unit
1149Q26	384-Well, Individual Well Reservoir, Low Profile, Undivided, Flat Bottom, 90 mL	25/cs



1149Q53



1149Q41



1149Q44

AGILENT STORAGE PLATES

For Mixing, Sample Collection and Long Term Storage

We offer microplates for a wide range of reaction chemistries, biological assays, low storage temperatures and popular filter applications. All plates may be covered with universal polystyrene lids, but custom mats are also available for sealing 24, 48 and 96-well square well plates.

- ANSI/SLAS standard footprint
- Made of virgin polypropylene for excellent chemical resistance
- Certified DNase and RNase free
- Also available in sterile

24-WELL STORAGE PLATES

Thomas No.	Description	Unit
1149Q27	24-Well Square Well Plate, 10 mL, Pyramid Bottom, Height: 44 mm	25/cs
1149Q53	24-Well Square Well Plate, 10 mL, Spherical Bottom, Height: 44 mm	25/cs

48-WELL STORAGE PLATES

Thomas No.	Description	Unit
1149Q15	48-Well Rectangle Well Plate, 7.5 mL, Pyramid Bottom: Height: 68 mm	30/cs
1149Q16	48-Well Rectangle Well Plate, 5 mL, Pyramid Bottom, Height: 44 mm	25/cs
1149Q41	48-Well Square Well Plate, 4.8 mL, Pyramid Bottom, Height: 44 mm	25/cs

96-WELL STORAGE PLATES

Thomas No.	Description	Unit
1149Q44*	96-Well Square Well Plate, 2 mL, Pyramid Bottom, Height: 44 mm	25/cs
1149Q28	96-Well Square Well Plate, 1.1 mL, V-Bottom, Height: 30.6 mm	25/cs
1149Q57*	96-Well Round Well Plate, 1 mL, Round Bottom, Height: 32 mm	25/cs
1149Q18	96-Well Square Well Plate, 0.7 mL, Flat Bottom, Height: 19 mm	50/cs
1149Q64	96-Well Round Well Plate, 0.5 mL, Spherical Bottom, Height: 14.3 mm	50/cs

* Made from ultra-high pure polypropylene

384-WELL STORAGE PLATES

Thomas No.	Description	Unit
1149Q34	384-Well Square Well Plate, 58 μ L, Spherical Bottom, Height: 14.5 mm	60/cs



1149Q15



1149Q16



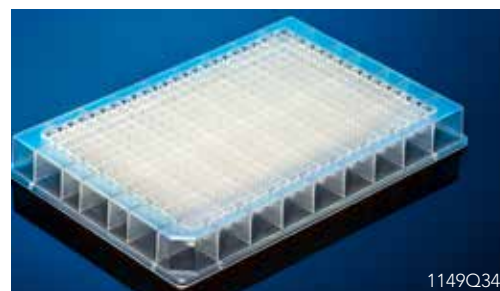
1149Q57



1149Q18



1149Q64



1149Q34



**Innovative
Laboratory
Products, LLC**

ILP STORAGE PLATES

Value Option for Assays, Magnetic Beads and Sample Storage

- ANSI/SLAS standard footprint
- Made of virgin polypropylene for excellent chemical resistance
- Raised well design for improved sealing
- Storage down to -80°C
- Certified DNase, RNase, human DNA and pyrogen free
- Also available in sterile

24-WELL STORAGE PLATES

Thomas No.	Description	Unit
20A00C710	24-Well Plate, Square Top, 5.0 mL, Round Bottom, Height: 44.6 mm	50/cs

48-WELL STORAGE PLATES

Thomas No.	Description	Unit
1149L24	48-Well, Rectangle Well Plate, 4.8 mL, V-Bottom, Height: 43.8 mm	50/cs

96-WELL SQUARE WELL STORAGE PLATES

Thomas No.	Description	Unit
1149J41	96-Well, Square Well Plate, 1.2 mL, V-Bottom, Height: 24.0 mm	100/cs
1149J45	96-Well, Square Well Plate, 2.2 mL, V-Bottom, Height: 41.2 mm	50/cs

96-WELL COMPOUND STORAGE PLATES

Thomas No.	Description	Unit
1149K80	96-Well, Round Well Plate, 300 µL, U-Bottom, Well Ø: 7.0 mm, Height: 14.6 mm	100/cs
1149L20	96-Well, Round Well Plate, 335 µL, Conical V-Bottom, Well Ø: 7.0 mm, Height: 14.6 mm	100/cs
21A00M474	96-Well, Round Well U-Bottom Plate, 1.0 mL	50/cs
21A00M475	96-Well, Round Well U-Bottom Plate, 1.0 mL, Sterile	50/cs

96-WELL ROUND WELL STORAGE PLATES

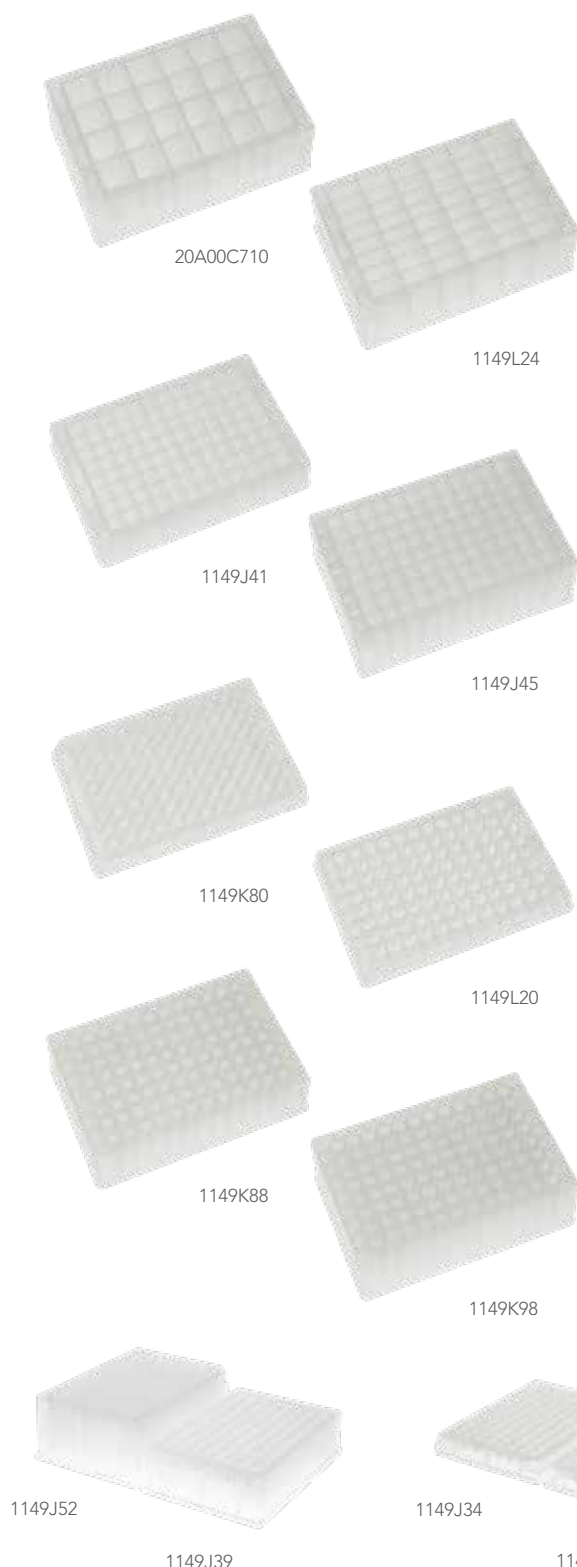
Thomas No.	Description	Unit
1149K88	96-Well, Round Well Plate, 700 µL, U-Bottom, Well Ø: 7.0 mm, Height: 33.0 mm	50/cs
1149K98	96-Well, Round Well Plate, 1.3 mL, Conical V-Bottom, Well Ø: 7.4 mm, Height: 40.6 mm	50/cs

96-WELL SHARED WALL STORAGE PLATES

Thomas No.	Description	Unit
1149J34	96-Well, Round Well Plate, 480 µL, Conical V-Bottom, Well Ø: 8.5 mm, Height: 14.4 mm	100/cs
1149J36	96-Well, Round Well Plate, 500 µL, U-Bottom, Well Ø: 8.5 mm, Height: 14.4 mm	100/cs
1149J39	96-Well, Round Well Plate, 1.2 mL, U-Bottom, Well Ø: 8.5 mm, Height: 31.5 mm	50/cs
21A00M477	96-Well, Round Well Plate, 1.2 mL, Clear, U-Bottom, Sterile	50/cs
21A00M476	96-Well, Round Well Plate, 1.2 mL, U-Bottom	50/cs
1149J52	96-Well, Round Well Plate, 2.0 mL, U-Bottom	50/cs

384-WELL STORAGE PLATES

Thomas No.	Description	Unit
1149J47	384-Well Square Plate, 120 µL, V-Bottom, Height: 15.0 mm	100/cs
1149J49	384-Well Square Plate, 190 µL, V-Bottom, Height: 22.0 mm	100/cs



ILP SILICONE SEALING MATS

For Use with Assay and Storage Plates

- Made of research-grade silicone
- Re-sealable perforations for easy sample access
- Reusable, resists coring and tearing
- Suitable for high-temperature storage
- Certified DNase, RNase, human DNA and pyrogen free



**Innovative
Laboratory
Products, LLC**

96-WELL ROUND WELL SILICONE SEALING MATS

Thomas No.	Description	Unit
1149L59	96-Well Round Well Silicone Mat, Printed Alpha-Numerics, Plug Ø: 8.0 mm	50/cs
1149L64	96-Well Round Well Silicone Mat, Plug Ø: 8.0 mm	100/cs
1149J61	96-Well Round Well Silicone Mat, Printed Alpha-Numerics, Plug Ø: 7.0 mm	50/cs
1149L60	96-Well Round Well Silicone Mat, Printed Alpha-Numerics, Plug Ø: 6.5 mm	50/cs

96-WELL SQUARE WELL SILICONE SEALING MATS

Thomas No.	Description	Unit
1149L61	96-Well Square Well Silicone Mat, Printed Alpha-Numerics	50/cs
1149L65	96-Well Square Well Silicone Mat	100/cs

24, 48 and 384-WELL SILICONE SEALING MATS

Thomas No.	Description	Unit
1149L62	24-Well Square Well Silicone Mat	50/cs
1149L63	48-Well Square Well Silicone Mat	50/cs
1149J59	384-Well Square Well Silicone Mat, Printed Alpha-Numerics	50/cs



ILP PLATES FOR KINGFISHER™ FLEX SYSTEM

Ideal for Automated Magnetic Bead-Based Separation

These plates are ideal for magnetic bead-based nucleic acid and protein affinity purification performed on automated separation systems. The unique square top with round bottom design allows for optimum mixing and enhanced recovery of magnetic beads. Wells also have a conical V-shaped bottom to help concentrate precipitates.

96-WELL PLATES FOR THE KINGFISHER FLEX SYSTEM

Thomas No.	Description	Unit
1144A71*	96-Well Plate, Square Top, Round Bottom, 200 µL, Height: 14.4 mm	50/cs
1144A72*	96-Well Plate, Square Top, Round V-Bottom, 2.0 mL, Height: 41.6 mm	50/cs
1144A73	24-Well Square Well Plate, 5.0 mL, U-Bottom, Height: 44.0 mm	50/cs
20A00U906	96 format tip comb, clear polypropylene, for use w/KingFisher™ System	100/cs

* Also available in sterile





1149J82



1149J81



1149J84

DEEP WELL PLATES

Ideal for Sample Collection, Preparation and Storage

- Virgin polypropylene ensures purity, sample integrity, chemical resistance and compatibility with long-term storage needs
- Alphanumeric indexing molded in on A-H and 1-12 axes
- Optimum sample mixing and recovery with highly-polished wells and radiused corners
- Raised rims on each well facilitate secure sealing with films and sealing mats
- Certified DNase, RNase, DNA and PCR inhibitor free
- Centrifugation to 4,000 x g RCF

ROUND WELL PLATES

- 20% larger well for maximum capacity and space saving

Thomas No.	Description	Unit
1149J82	96-Well Round Well Plate, 1.1 mL, Round Bottom	5/pk; 50/cs
1149J83	96-Well Round Well Plate, 1.1 mL, Round Bottom, Sterile	5/pk; 50/cs
1149J81	96-Well Round Well Plate, 2.0 mL, Round Bottom	5/pk; 50/cs
1149J76	96-Well Round Well Plate, 2.0 mL, Round Bottom, Sterile	5/pk; 50/cs

SQUARE WELL PLATES

Thomas No.	Description	Unit
1149J84	96-Well Square Well Plate, 2.0 mL, V-Bottom	5/pk; 50/cs
1149J85	96-Well Square Well Plate, 2.0 mL, V-Bottom, Sterile	5/pk; 50/cs
1149J86	384-Well Square Well Plate, 240 µL, V-Bottom	5/pk; 50/cs
1149J87	384-Well Square Well Plate, 240 µL, V-Bottom, Sterile	5/pk; 50/cs

porvair
sciences

ULTRAVAP® MISTRAL

Fully Liquid Handling Robot-Compatible Dry Down Station

The Ultravap Mistral design, by dispensing with the rotating arm of the centrifuge and offering a fully-flat front profile, overcomes this problem and is much better positioned to link with robotic handling systems.

- Plate shuttle sends/retrieves plates from robot deck
- Store up to 15 evaporation programs
- Faster evaporation times
- Choice of 24, 48, 96 and 384-well heads

ULTRAVAP MISTRAL BLOWDOWN EVAPORATOR

Thomas No.	Description	Unit
1169K10	Ultravap Mistral Blowdown Evaporator w/o Needle Head 110/230 V	1/ea



1169K10

ALPHAGEM BIO VBLOK200 RESERVOIRS

VBlok 250ml Open Reservoir, V-Bottom, Clear PP

- 250 mL volume, (283 mL max)
- High capacity – low dead volume
- Optimized for 8-channel
- Pooling reservoir
- Also available presterilized



VBLOK200 RESERVOIRS

Thomas No.	Description	Unit
1149B70	250 mL Open Reservoir, V-Bottom, Clear	1/pk; 25/cs
1149B71	250 mL Open Reservoir, V-Bottom, Clear, Sterile	1/pk; 25/cs

SCILUTIONS RESERVOIR FOR AUTOMATED LIQUID HANDLING SYSTEMS



96 Deep Well Reservoir for Automated Liquid Handling Systems

- Optimized for High Recovery – Uniquely designed to recover ALL of your most precious reagents
- Ultra-Flat – Ensures the highest Sample Recovery
- Highest Fill Volume in the Market – 350 mL Working Volume
- Splash Resistant Baffles – reduces contamination risks with normal workflows
- Manufactured with reduced plastic



Thomas No.	Description	Unit
20A00D902	Reagent Reservoir, Polypropylene, High Recovery, Low Dead Volume	5/slv; 20/pk
20A00D903	Reagent Reservoir, Polypropylene, High Recovery, Low Dead Volume, Sterile	5/slv; 20/pk
20A00G708	Reagent Reservoir, Polypropylene, High Recovery, Low Dead Volume, Sterile	5/slv; 100/cs



BENCHTOP PIPETTOR

Innovative, Easy-to-Use, Advanced Benchtop Pipettor

- Easily move the pipette head with a light touch on the handle
- Ergonomic large comfortable handle grip
- Compact, will easily fit into a fume hood
- Works with the entire series of universal-fit Sharp Elite pipette tips
- 2-year manufacturer warranty



Thomas No.	Description	Unit
1144A63	Precision Series Pipettor Plus, 300 μ L Pipetting Head Model	1/ea
1144A64	Precision Series Pipettor Plus, 35 μ L Pipetting Head Model	1/ea
1144K71	384 EZ Tray for Use w/ Precision Series Pipettor Plus Adapts the Pipettor for Use w/ 384-Well Plates	1/ea



COLLAGEN COATED CULTURE PLATES

Next Generation Collagen Type 0 Coated Plates for Routine Cell Culture Research

- Like-for-like substitute for existing collagens in cell culture offering a matrix that promotes cell adhesion, proliferation and cell functionality
- Offers improved research productivity allowing security of product consistency and reproducible results
- Universal applications for multiple cell types e.g. human primary and stem cell-derived

Thomas No.	Description	Unit
1141Q14	96-Well Collagen Coated Tissue Culture Plates	5/pk
1141Q15	24-Well Collagen Coated Tissue Culture Plates	5/pk
21A00C715	6-Well Collagen Coated Tissue Culture Plates	5/pk

COLLAGEN TYPE 0 3D SCAFFOLDS

Next Generation Collagen Type 0 3D Scaffolds for in vitro cell culture and tissue engineering

- Offers improved research productivity allowing security of product consistency and reproducible results
- EDC cross-linked scaffolds for enhanced mechanical and thermal stability, resorbable in vivo
- Universal applications for multiple cell types and regenerative medicine

Thomas No.	Description	Unit
1141Q07	Filled 96-Well Plate	1/pk
1141Q10	Filled 48-Well Plate	1/pk
1141Q11	Filled 24 Well Plate	1/pk
1141Q13	Filled 6-Well Plate	1/pk

COLLAGEN TYPE 0 HYDROGEL KIT

JellaGel™ is a Next Generation Collagen Type 0 Hydrogel for in vitro cell culture and tissue engineering, offering customers a natural, non-mammalian alternative to mammalian and synthetic hydrogels currently on the market.



Thomas No.	Description	Unit
CHM01P704	Collagen Type 0 Hydrogel Kit, 10 mL MUST PURCHASE CHM01P803 IN SAME QTY AS CHM01P704	1/ea
CHM01P803	Collagen Type 0 Cross-Linker – MUST BE PURCHASED W/CHM01P704 IN SAME QTY	1/ea

RESEARCH GRADE LIQUID COLLAGEN

Jellagen® purified next generation Collagen Type 0 for cell culture and self coating applications. Jellagen are pioneering the manufacture and development of this next generation, self coating collagen for cell culture and medical applications.



Thomas No.	Description	Unit
21A00B563	10 mL Research Grade Collagen Type 0	1/ea
21A00B564	100 mL Research Grade Collagen Type 0	1/ea

EASY-TO-PIERCE FOIL

For Standard PCR, Long-Term Storage, Light Sensitive Assays and Robotics

- Temperature range: -80°C to +120°C
- Certified DNase and RNase free
- Not recommended for raised-rim plates
- Easy-to-pierce with pipet tips or robotic probes
- 2 end-tabs for easy handling, application and removal

EASY-TO-PIERCE FOIL

Thomas No.	Description	Unit
1150P99	Easy-To-Pierce Foil	100/pk
1150Q00	Easy-To-Pierce Foil, Sterile	50/pk

CHEMICAL RESISTANT FOIL

- Excellent chemical resistance (i.e. DMSO)

Thomas No.	Description	Unit
1150Q01	Chemical Resistant Foil	100/pk
1150Q02	Chemical Resistant Foil, Sterile	50/pk

CLEAR SEALING FILM

For ELISA, Incubation and General Use

- Temperature range: -40°C to +120°C
- Certified DNase and RNase free
- For use with polystyrene and polypropylene plates
- Removes easily and minimizes aerosols upon removal
- 2 end-tabs for easy handling, application and removal

INCUBATION FILM

Thomas No.	Description	Unit
1150P87	Incubation Film	100/pk
1150P88	Incubation Film, Sterile	100/pk

BREATHABLE FILM

For Cell, Tissue and Bacterial Cultures

- Temperature range: -20°C to +80°C
- Hydrophobic, gas permeable membrane with a medical grade, non-cytotoxic adhesive
- Easy-to-pierce with serological pipettes and tips
- 2 end-tabs for easy handling, application and removal

BREATHABLE FILM

Thomas No.	Description	Unit
1150Q05	Breathable Film	100/pk
1150Q06	Breathable Film, Sterile	50/pk



CLEAR PCR FILM

For PCR and Sample Storage

- Temperature range: -40°C to +120°C
- Certified DNase and RNase free
- Available in standard size for use with all plate types and in x-large cut for greater coverage
- Extra strong, thick adhesive removes easily from plate
- 2 end-tabs for easy handling, application and removal

CLEAR POLYESTER FILM

Thomas No.	Description	Unit
1150P94	Clear Polyester Film	100/pk
1150P95	Clear Polyester Film, X-Large	100/pk

96-WELL ADHESIVE-FREE FILM

For Short-Term Storage and Robotics

- Temperature range: -40°C to +90°C
- Multilayer film consisting of a top pierceable clear polyethylene film and a white polypropylene sublayer with 96 circular areas void of adhesive
- Excellent chemical resistance
- 2 end-tabs for easy handling, application and removal

96-WELL ADHESIVE-FREE PIERCEABLE FILM

Thomas No.	Description	Unit
1150Q11	Adhesive-Free Pierceable Film	50/pk

OPTICALLY CLEAR qPCR FILM

For qPCR (Real-Time), Long-Term Storage and Protein Crystallization

- Temperature range: -80°C to +105°C
- Certified DNase and RNase free
- High optical clarity and low auto-fluorescence
- Pressure-sensitive, non-tacky, silicone adhesive
- DMSO, acetonitrile and methanol resistant
- 2 end-tabs for easy handling, application and removal

OPTICALLY CLEAR POLYOLEFIN FILM

Thomas No.	Description	Unit
1150P97	Optically Clear Polyolefin Film	100/pk
1150P98	Optically Clear Polyolefin Film, Sterile	50/pk



A4S™ AUTOMATIC HEAT SEALER

The Perfect Solution for Automated Heat Sealing

- No air supply needed
- Compatible with a wide range of plate types
- SiLA compatible – plug and play integration
- Color touch screen with intuitive user interface
- Seals in less than 15 seconds



A4S AUTOMATIC ROLL HEAT SEALER

Thomas No.	Description	Unit
1149T97	a4S Automatic Roll Heat Sealer Includes: Power Cord, Manual, Plate Support Adapters A and B, 24-Month Warranty	1/ea

4s3™ SEMI-AUTOMATIC SHEET HEAT SEALER

- Automatic process for unmatched sealing consistency
- Variable temperature and time settings for easy optimisation of sealing conditions
- Full range of heat seals available
- Simple, single button operation
- Compatible with a wide range of consumables
- Easy integration into robotic systems



4s3 SEMI-AUTOMATIC HEAT SEALER

Thomas No.	Description	Unit
1149T93	4s3 Semi-Automatic Sheet Heat Sealer; Includes: Power Cord, Manual, Standard Plate Support Adapter (4Ti-0615), 12-Month Warranty	1/ea
1149T87	4s3 Plate Support Adapter for Standard 96/384-Well Plates	1/ea
1149T81	4s3 Weighted Sealing Plate	1/ea
1149T90	4s3 Plate Support Adapter for 96-Well PCR Plates	1/ea



XPEEL® PLATE SEAL REMOVER

Automatically Removes Seals from Most Microplates

A robust and elegantly-simple automated system, XPeel eliminates the need for repetitive, manual removal of plate seals and enables the adoption of the goldstandard operating model (sealed plates, no lids).

The patented XTape® removal medium eliminates the need for mechanical removal mechanisms which are often prone to failure. XPeel is highly reliable and can be used manually or integrated into automated systems with external robotics.

Thomas No.	Description	Unit
1150L21	XPeel Automated Plate Seal Removal, 115 V	1/ea

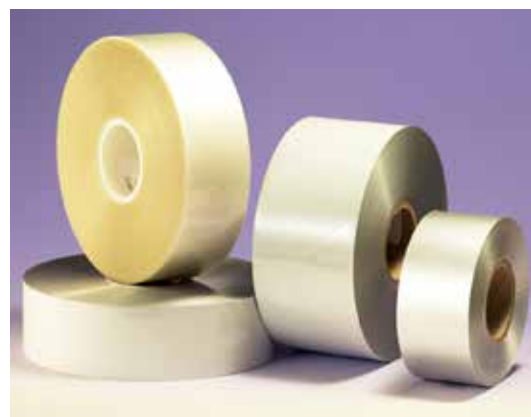
HEAT SEALS

Prevent Sample Loss and Maximize Sample Security

Heat sealing is the gold standard method for plate and tube sealing. It prevents sample loss and maximizes sample security, by facilitating a 100% complete seal and preventing evaporation, leakage and contamination.

The performance of heat seals is superior to all other methods including cap, mat and adhesive sealing as the variability of sealing consistency is completely removed.

The optimized sealing performance of a heat seal allows to use smaller reagent volumes, making heat sealing the most cost-efficient sealing method for a wide range of applications.



Thomas No.	Unit	Heat Seal	Description	Temperature Range	Applications
1149T22	ALPS/a4S-Style, 500 m	Clear Seal	Clear Polymer Forming a Peelable Seal to PP, PE, PS, PC and COC Plates, Good Optical Clarity, Moderate Solvent Resistance	-80°C to 80°C, 110°C w/ Pressurized PCR Heated Lids	<ul style="list-style-type: none"> qPCR (Real-Time) Short-Term Compound Storage
1149T30	Agilent-Style, 350 m				
1149T39	ALPS/a4S-Style, 250 m	Clear Seal Plus	Homogenization or Disruption of Seeds or Other Material (i.e. Bead Mill Applications)	-80°C to 80°C, 110°C w/ Pressurized PCR Heated Lids	<ul style="list-style-type: none"> High Tensile Strength
1149T42	Agilent-Style, 250 m				
1149T51	ALPS/a4S-Style, 610 m	Clear Seal 3730	Clear Polymer Seals to PP, PS, PE and COC, Piercable, Good Optical Clarity, Some Solvent Resistance, Non-Peelable	-20°C to 80°C, 110°C w/ Pressurized PCR Heated Lids	<ul style="list-style-type: none"> qPCR (Real-Time) Use w/ ABI™ 3730 Sequencer
1149T55	Agilent-Style, 500 m				
1149T34	ALPS/a4S-Style, 610 m	Polystyrene Foil Seal	Optimized for Polystyrene Plates, Peelable and Pierceable Heat Seal, Good Solvent Resistance Including DMSO, Re-Sealable w/ Another Foil Seal	-20°C to 110°C	<ul style="list-style-type: none"> Low-Temp Compound Storage Short-Term Compound Storage PCR
1149T37	Agilent-Style, 500 m				
1149T08	ALPS/a4S-Style, 610 m	Foil Seal	Peelable and Piercable Heat Seal to PP And PS Plates, Good Solvent Resistance Including DMSO, Resealable w/ Another Foil Seal, Color Print Identifies Non-Sealing Surface	-20°C to 110°C	<ul style="list-style-type: none"> Low-Temp Compound Storage Short-Term Compound Storage PCR
1149T13	Agilent-Style, 500 m				
1149T00	ALPS/a4S-Style, 610 m	Pierce Seal	Pierceable Seal to PP and PS Plates, Very Good Solvent Resistance Including DMSO, Can Be Applied on Top of Each Other for Re-Sealing, Color Print Identifies Non-Sealing Surface	-20°C to 120°C	<ul style="list-style-type: none"> PCR Compound Storage Sample Shipping
1149T05	Agilent-Style, 500 m				
1149T16	ALPS/a4S-Style, 610 m	Pierce Seal Strong	Peelable from COC Plates, Weld Seal to PP Plates, Very Good Solvent Resistance Including DMSO, Can Be Pierced w/ a Pipette Tip Manually, or by a Liquid Handling Robot, Color Print Identifies Non-Sealing Surface	-20°C to 120°C	<ul style="list-style-type: none"> PCR Compound Storage Sample Shipping
1149T20	Agilent-Style, 500 m				
1149R95	ALPS/a4S-Style, 610 m	Universal Peel Seal	Peelable Heat Seal to PP, PE, PS, PC and COC Plates, Moderate Solvent Resistance, Re-Sealable w/ Another Universal Peel Seal	-80°C to 90°C, 110°C w/ Pressurized PCR Heated Lids	<ul style="list-style-type: none"> Low-Temp Compound Storage High-Temp Applications PCR
1149R98	Agilent-Style, 500 m				
1149R89	ALPS/a4S-Style, 600 m	Peel Seal	Peelable Heat Seal to PP and COC Plates, Can Be Peeled Directly from 80°C Freezer, Good Barrier to Aqueous Solutions, Moderate Resistance to Solvents at Room Temperature	-80°C to 90°C, 110°C w/ Pressurized PCR Heated Lids	<ul style="list-style-type: none"> Low-Temp Compound Storage Short-Term Compound Storage PCR
1149R93	Agilent-Style, 500 m				
1149T57	ALPS/a4S-Style, 500 m	DMSO Resistant Peel Seal	Peel Seal w/ a High Resistance to Solvents, Even at Elevated Temperatures	-80°C to 40°C	<ul style="list-style-type: none"> Low and Room-Temp Compound Storage w/ DMSO and Other Organic Solvents
1149T61	Agilent-Style, 500 m Mini-Roll				
1149T73	ALPS/a4S-Style, 200 m	Gas Permeable Seal Mk 2	Small Pore Size of 20 µm Allows Gaseous Exchange and Limits Evaporation, Gas Permeability: 180 m ² /M ² /24h, Moisture Vapour Transmission: 20 g/M ² /24h.	-20°C to 80°C	<ul style="list-style-type: none"> Cell Culture Overnight Incubation Seed and Insect Storage
1149T76	Agilent-Style, 500 m				



AMPLIFYT™ PCR PLATES

Thomas Scientific is proud to launch an expansion of products offered through our own labForce brand, Amplifyt PCR plates offer a comprehensive solution for virtually all thermal cyclers.

- Increased clarity – ultra-clear wells for easy sample visualization
- Optimal sealing – raised wells prevent evaporation
- Easy sample ID – high-contrast, black alphanumeric indexing
- Reasonable barcoding – available for orders of 20/cs or more, completed in 14 days

96-WELL NON-SKIRTED PCR PLATES

Thomas No.	Description	Unit
1149K04	96-Well PCR Plate, Non-Skirted, A12 Notch, Natural	25/pk

96-WELL SEMI-SKIRTED PCR PLATES

Thomas No.	Description	Unit
1149K06	96-Well PCR Plate, Semi-Skirted w/ Raised Rim, ABI Style, A12 Notch, Natural	25/pk
1149K03	96-Well PCR Plate, Semi-Skirted, Flat Top, A12 Notch, Natural	25/pk
1148A73	96-Well PCR Plate, Semi-Skirted w/ Raised Rim, Low Profile (0.1 mL) Fastplate, A1 Notch, Natural, Fits ABS Fast® Cyclers	10/pk

96-WELL FULL-SKIRTED PCR PLATES

Thomas No.	Description	Unit
1149K05	96-Well PCR Plate, Full-Skirted, Low Profile, A12 Notch, Natural	25/pk

384-WELL FULL-SKIRTED PCR PLATES

Thomas No.	Description	Unit
1148A96	384-Well PCR Plate, Full-Skirted, ABI-Style, A24 Notch, Natural	25/pk



ALPAQUA ENGINEERING MAGNETIC PLATES

High-performance Magnet Plates

Alpaqua magnet plates are used in a variety of magnetic bead-based nucleic acid isolation applications such as DNA and RNA extraction and PCR clean-up. They are the most frequently recommended magnets for use in next generation sequencing (NGS) library construction and exome capture.

Thomas No.	Description	Unit
1148V87	384 Post Magnet Plate	1/ea
1148V82	LE Magnet Plate	1/ea
1148V86	96R Ring Magnet Plate	1/ea
1148V88	96S Super Magnet Plate	1/ea
1148V83	Magnum EX Universal Magnet Plate	1/ea
1148V84	Magnum FLX® Enhanced Universal Magnet Plate	1/ea
1148V81	96M Magnum Plate	1/ea
1148T86	MagPlate 24	1/ea
1148V85	Magnum FLX®24	1/ea

FRAMESTAR® PCR PLATES

Automation-Ready, Rigid Frame PCR Plates

FrameStar 2-component technology reduces evaporation from PCR plates, improving your results and allowing you to reduce the volume of expensive reagents to save you money. The polycarbonate frame does not warp and expand during rapid temperature change.

- Reduced thermal expansion and sample evaporation
- Reliable seal integrity during PCR and cold storage
- Suitable for robotic handling
- Certified DNase, RNase, human DNA and pyrogen free
- Barcoding options available upon request



AZENTA
LIFE SCIENCES

FRAMESTAR 96-WELL PCR PLATES

Thomas No.	Description	Unit
1149U14	96-Well, Non-Skirted, Clear Frame w/ Clear Wells, H1 Notch	50/cs
1149U19	96-Well, Non-Skirted, Low Profile, Black Frame w/ White Wells, H1 Notch	50/cs
1149J09	96-Well, Semi-Skirted, ABI Style, Clear Frame w/ Clear Wells, A12 Notch	50/cs
1149U97	96-Well, Semi-Skirted, ABI Style, For Forensic Use, Clear Frame w/ Clear Wells, Ethylene Oxide Treated, Barcoded, A12 Notch	20/cs
1149U99	96-Well, Semi-Skirted, ABI Style, Clear Frame w/ Frosted Wells, A12 Notch	50/cs
1149V40	96-Well, Semi-Skirted, ABI FastPlate Style, Clear Frame w/ Clear Wells, A1 Notch	50/cs
1149V42	96-Well, Semi-Skirted, ABI FastPlate Style, Clear Frame w/ White Wells, A1 Notch	50/cs
1149V45	96-Well, Semi-Skirted, Roche Style, Clear Frame w/ Clear Wells, H12 Notch	50/cs
1149V46	96-Well, Semi-Skirted, Roche Style, Clear Frame w/ White Wells, H12 Notch	50/cs
1149V59	96-Well, Skirted, Clear Frame w/ Clear Wells, H1 Notch	50/cs
1149V65	96-Well, Skirted, Black Frame w/ White Wells, H1 Notch	50/cs

FRAMESTAR 384-WELL PCR PLATES

Designed for high-throughput PCR, FrameStar 384-well plates are compatible with most 384 block PCR and sequencing instruments.

Thomas No.	Description	Unit
1149J08	384-Well, Skirted, Clear Frame w/ Clear Wells, No Notch	50/cs
1149R64	384-Well, Skirted, Black Frame w/ White Wells, No Notch	50/cs
1149R65	384-Well, Skirted, Black Frame w/ Black Wells, No Notch	50/cs
1149R66	384-Well, Skirted, ABI Style, Clear Frame w/ Frosted Wells, No Notch	50/cs
1149R55	384-Well, Skirted, Roche Style, Clear Frame w/ Clear Wells, A24/P24 Notch	50/cs
1149R56	384-Well, Skirted, Roche Style, Clear Frame w/ White Wells, A24/P24 Notch	50/cs

FRAMESTAR BREAK-A-WAY PCR PLATES

Vertically scored, snaps easily into strips of 8 tubes or part plates.

Thomas No.	Description	Unit
1149V77	96-Well, Semi-Skirted, White PC Frame w/ Clear PP Wells, A12 Notch	50/cs
1149V85	96-Well, Semi-Skirted, Low Profile, White PC Frame w/ Clear PP Wells, A12 Notch	50/cs

FRAMESTAR BREAK-2-WAY PCR PLATES

Vertically and horizontally scored, snaps easily into part plates, 8-well strips, 12-well strips or individual tubes.

Thomas No.	Description	Unit
1149V88	96-Well Rigid Plate, Low Profile, Black PC Frame w/ Clear PP Wells	50/cs



1149U19

1149U99



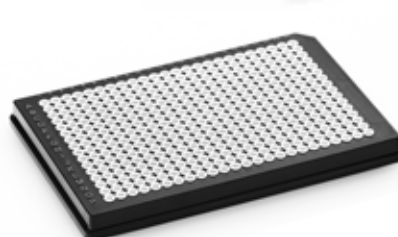
1149V65



1149R66



1149R64





Thomas BIO SOLUTIONS' CONSULTING SERVICES

Since 1900, Thomas Scientific has been serving customers with instrumentation, consumables and reagents. Today, our group has one of the broadest ranges of global suppliers for this workflow. The Thomas Bio Solutions team of Workflow Consultants can quickly help you find off-the-shelf solutions to your specific requirements or provide unique solutions for your application.



RANDOM ACCESS PCR PLATES

The Flexibility of Handling Individual Wells in a 96-Well Plate

Random access plates provide the greatest flexibility in PCR plates, affording handling of individual 0.1 mL wells in a 96-well plate format. The optical bottom is uniquely suitable for both microscopy and PCR.

- Allows access to individual tubes for removal or sealing
- Can be sealed using random access heat seals
- Certified DNase, RNase, human DNA and pyrogen free

RANDOM ACCESS PCR PLATES

Thomas No.	Description	Unit
1149V63	96-Well, Conical Bottom, White PC Frame w/ Clear PP Wells, H1 Notch	50/cs
1149V68	96-Well, Flat Optical Bottom, Black PC Frame w/ Clear PP Wells, H1 Notch	50/cs
1149V70	96-Well, Flat Bottom, 2D-Coded, White Linear Barcoded PC Frame w/ Clear PP Wells, H1 Notch	50/cs

RANDOM ACCESS PIERCE HEAT SEAL STRONG

Thomas No.	Description	Unit
1149T19	Sheets of 96 Pierceable Foil Seal Spots, 127 x 100 mm	100/pk

VARI-PLATES™

Rigid Polycarbonate Frames Pre-Loaded with Vari-Strips™

- Reduced thermal expansion and sample evaporation
- Vari-Strips are interchangeable
- Vari-Plate frames are reusable
- Certified DNase, RNase, human DNA and pyrogen free

VARI-PLATES

Thomas No.	Description	Unit
1149U77	96-Well, Skirted, Pre-Loaded w/ White Vari-Strip 8-Well PCR Tube Strips	50/cs
1149U78	96-Well, Skirted, Pre-Loaded w/ Clear Vari-Strip 8-Well PCR Tube Strips	50/cs
1149U79	96-Well, Semi-Skirted, Roche Style, Pre-Loaded w/ White Vari-Strip 8-Well PCR Tube Strips	50/cs

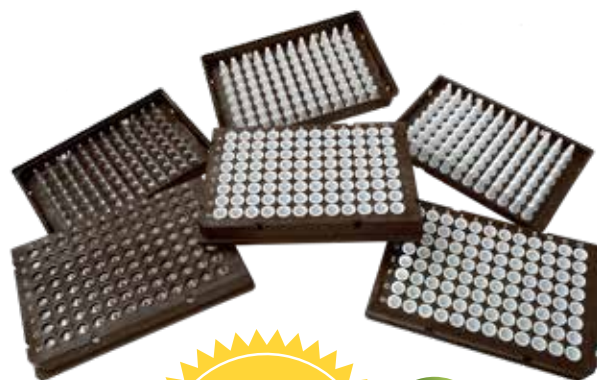




B-FRAME BIOCOMPOSITE 96 WELL PCR PLATE

Fully Skirted, Low Profile

- The sustainably-sourced plant biomass results in a reduction of petroleum-derived plastic used to manufacture the frame by 46 -50% depending on the frame style
- Superior performance from our 2-component B-Frame® PCR plates
- Our fully skirted plate fits a wide range of cyclers and is fully automation compatible
- Roche-style semi-skirted plate delivers improved performance for the LightCycler
- Manufactured to the highest quality standards for your PCR and qPCR applications
- Thin-walled tubes made from 100% virgin medical grade polypropylene



B-FRAME BIOCOMPOSITE 96 WELL PCR PLATE

Thomas No.	Description	Unit
21A00Q083	96-Well PCR Plate, Full-Skirted, Low Profile 0.2mL Wells, Biocomposite Rigid Frame, Clear PP Tubes, 10 plates per sleeve, 50 plates per box	50/cs
21A00Q084	96 Well PCR Plate, Fully Skirted, Low Profile 0.2mL Wells, Biocomposite Rigid Frame, White PP Tubes, 10 plates per sleeve, 50 plates per box	50/cs
21A00Q085	96 Well PCR Plate, Semi-Skirted, Roche Style with H12 cut corner, Low Profile 0.2mL Wells, Biocomposite Rigid Frame, White PP Tubes, 10 plates per sleeve, 50 plates per box	50/cs
21A00Q086	96 Well PCR Plate, Semi-Skirted, Universal style with H1 cut corner, Standard Profile 0.3mL wells, Biocomposite Rigid Frame, Clear PP Tubes, 10 plates per sleeve, 50 plates per box	50/cs
21A00Q087	96 Well PCR Plate, Semi-Skirted, Universal style with H1 cut corner, Standard Profile 0.3mL wells, Biocomposite Rigid Frame, White PP Tubes, 10 plates per sleeve, 50 plates per box	50/cs
21A00Q088	96 Well PCR Plate, Semi-Skirted, ABI style with A12 cut corner, Standard Profile 0.3mL wells, Biocomposite Rigid Frame, Clear PP Tubes, 10 plates per sleeve, 50 plates per box	50/cs
21A00Q089	96 Well PCR Plate, Semi-Skirted, ABI style with A12 cut corner, Standard Profile 0.3mL wells, Biocomposite Rigid Frame, White PP Tubes, 10 plates per sleeve, 50 plates per box	50/cs



LOW BINDING RIGID PCR PLATES

Suitable for qCR and Designed for Automation

- Made of ultra low binding copolymer with no surface coatings
- Maximize sample recovery to improve results
- Certified DNase, RNase and pyrogen free
- 1144C28 is suitable for 0.2 mL ABI-style thermal cycler blocks
- Barcoding options available

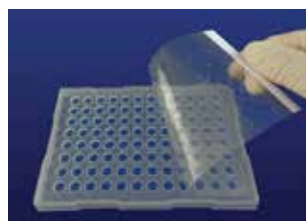
LOW BINDING RIGID PCR PLATES

Thomas No.	Description	Unit
1144C27	96-Well PCR Plate, Full-Skirted, Rigid Style, 0.2 mL, H1 Notch, Clear	20/pk; 400/cs
1144C28	96-Well PCR Plate, Semi-Skirted, Rigid Style, 0.2 mL, A12 Notch, Clear	20/pk; 400/cs





1148A87



See page 23 for our optically clear polyolefin films with pressure sensitive adhesive for qPCR



AZENTA
LIFE SCIENCES



1149V49



1149U98



1149U99

AMPLIFYT™ qPCR PLATES

The same great features of the standard Amplifyt PCR plates on page 26 are offered here in white to reflect light and reduce cross talk in order to provide a better signal to noise ratio during real-time procedures.

96-WELL NON-SKIRTED qPCR PLATES

Thomas No.	Description	Unit
1148A45	96-Well PCR Plate, Non Skirted, Flat Top, A12 Notch, White	10/pk

96 WELL SEMI-SKIRTED qPCR PLATES

Thomas No.	Description	Unit
1148A74	96-Well PCR Plate, Semi-Skirt, Low Profile, FAST Style, A1 Notch, White	10/pk
1148A82	96-Well PCR Plate, Semi-Skirted, Flat Top, ABI Style, A12 Notch, White	10/pk
1148A87	96-Well PCR Plate, Semi-Skirted, Low Profile, Roche Style, H12 Notch, White	10/pk

96/384-WELL FULL-SKIRTED qPCR PLATES

Thomas No.	Description	Unit
1148B05	96-Well PCR Plate, Full-Skirted, Low Profile, A12 Notch, White	10/pk
1148A92	384-Well PCR Plate, Full-Skirted, Roche Style, A24/P24 Notch, White	10/pk
1148A97	384-Well PCR Plate, Full-Skirted, ABI Style, A24 Notch, White	10/pk

FRAMESTAR® ROCHE-STYLE qPCR PLATES

For Use on Roche Lightcycler® 96 and 480 w/ 96-Well Blocks

- Low profile – 0.1 mL polypropylene wells
- Working volume – <100 µL; total well capacity – 200 µL
- Extra white wells for improved sensitivity in fluorescent assays

FRAMESTAR 96-WELL HIGH-SENSITIVITY PCR PLATE, ROCHE-STYLE

Thomas No.	Description	Unit
1149V49	96-Well PCR High Sensitivity Plate, Semi-Skirted, Low Profile, Roche Style, H12 Notch, Clear Frame w/ Extra White Wells	50/cs

FRAMESTAR ABI-STYLE qPCR PLATES

For Use on All Major Cyclers, ABI Instruments w/ 96-Well Blocks

- Standard profile – 0.2 mL polypropylene wells
- Working volume – <200 µL; total well capacity – 300 µL
- Ultra-low DNA binding option for sensitive applications with ultra-low DNA input and for maximum DNA recovery after low temperature storage and high temperature incubation

FRAMESTAR 96-WELL HIGH-SENSITIVITY PCR PLATE, ROCHE-STYLE

Thomas No.	Description	Unit
1149U98	96-Well PCR Plate, Semi-Skirted, ABI Style, A12 Notch, Black Frame w/ White Wells	50/cs
1149U99	96-Well PCR Plate, Semi-Skirted, ABI Style, A12 Notch, Clear Frame w/ Frosted Wells	50/cs
1149U92	96-Well PCR Plate, Semi-Skirted, ABI Style, A12 Notch, Clear Frame w/ Clear Wells w/ Low DNA Binding Properties	50/cs

FRAMESTRIP™ PCR STRIP TUBES

2-Component PCR Strip Tubes

FrameStrip PCR strip tubes combine the advantages of thin-walled tubes for optimum PCR results and a rigid frame for easy and reliable handling.

- Increased stability from rigid polymer frame
- End tabs allow for easy handling and labeling of the strips
- Available in 5 frame colors and 2D barcoded
- FrameStrips are available as plates, bulk and with dome caps
- Certified DNase, RNase, human DNA and pyrogen free

Thomas No.	Description	Unit
1149V27	8-Strip Tubes, Flat Caps, Assorted Frame Color w/ Clear Tubes	120/pk
1149V26	8-Strip Tubes, Flat Caps, Black Frame w/ White Tubes	120/pk
1149V25	8-Strip Tubes, Flat Caps, 2D Barcoded White Frame w/ Clear Tubes	120/pk
1149V24	8-Strip Tubes, Flat Caps, 2D Barcoded Black Frame w/ Clear Tubes	120/pk



AMPLIFYT™ PCR STRIP TUBES

- Ultra-thin walls ensure efficient thermal transfer and maximum yield
- The widest selection of strip tubes available
- qPCR strips with white tubes and clear caps also available
- Certified DNase, RNase, human DNA and pyrogen free



STANDARD 8 AND 12-STRIP TUBES WITH SEPARATE STRIP CAPS

Thomas No.	Description	Unit
1149Z56	8-Strip 0.2 mL Tubes w/ Dome Caps, Natural	125/pk
1149K07	8-Strip 0.2 mL Tubes w/ Flat Caps, Natural (qPCR)	125/pk
1149Z78	8-Strip 0.2 mL Tubes w/ Flat Caps, White (qPCR)	125/pk
1149Z79	12-Strip 0.2 mL Tubes w/ Flat Caps, Natural (qPCR)	80/pk

8-STRIP TUBES WITH INDIVIDUAL ATTACHED CAPS

Thomas No.	Description	Unit
1149K08	8-Strip 0.2 mL Tubes w/ Dome Caps, Natural	120/pk
1148A28	8-Strip 0.2 mL Tubes w/ Flat Caps, Natural (qPCR)	120/pk
1148A26	8-Strip 0.1 mL Tubes w/ Flat Caps, Natural (qPCR), Low Profile	120/pk

8-STRIP TUBES WITH ATTACHED STRIP CAPS

Caps are attached at one end

Thomas No.	Description	Unit
1148A07	8-Strip 0.2 mL Tubes w/ Dome Caps, Natural	125/pk
1148A09	8-Strip 0.2 mL Tubes w/ Flat Caps, Natural	125/pk

INDIVIDUAL TUBES WITH CAPS

Thomas No.	Description	Unit
1149Z84	8-Strip 0.2 mL Tubes w/ Dome Cap, Natural	1,000/pk
1149Z98	8-Strip 0.2 mL Tubes w/ Flat Cap, Natural (qPCR)	1,000/pk
1230Z96	8-Strip 0.5 mL Tubes w/ Flat Cap, Natural	1,000/pk





ZYMOPURE PURIFICATION KITS

ZYMOPURE PLASMID MINIPREP KITS

The ZymoPURE Plasmid Miniprep Kit features a spin column-based method for the purification of up to 100 µg of ultra-pure endotoxin-free plasmid DNA in less than 15 minutes. The unique spin-column design also provides zero buffer retention and a low elution volume.

Thomas No.	Description	Unit
1154D17	ZymoPURE Plasmid Miniprep Kit, 10 Preps	1/ea
1159U56	ZymoPURE Plasmid Miniprep Kit, 50 Preps	1/ea

QUICK-DNA MAGBEAD PLUS KIT

- Purify high-quality DNA easily and reliably from any biological fluid, cultured/monolayer cells, or tissue sample
- The Zymo magbead purification system ensures DNA is ready for all sensitive downstream applications such as qPCR, DNA-sequencing, arrays, and methylation analysis
- The automation friendly workflow enables biological fluids, cultured/monolayer cells, or solid tissues to be processed in as little as 60 minutes for 96 preps

Thomas No.	Description	Unit
1154C61	Quick-DNA Magbead Plus Kit (1 x 96 Preps)	1/ea

QUICK-DNA/RNA™ VIRAL MAGBEAD KITS

- High-throughput, magnetic-bead based purification of viral DNA and RNA from plasma, serum, urine, cell culture media, blood, saliva, cellular suspensions, swab, fecal and biopsy samples
- High-quality DNA/RNA ready for Next-Gen sequencing, RT/qPCR, hybridization, etc.
- DNA/RNA Shield included for sample collection, inactivation, and storage

Thomas No.	Description	Unit
1154H16	Quick-DNA/RNA Viral MagBead Kit (1 x 96 Preps)	1/ea

QUICK-DNA/RNA™ PATHOGEN MAGBEAD KITS

- High-throughput, magnetic-bead based purification of pathogen (virus, bacteria, protozoa) DNA/RNA from a wide variety of vectors (mosquitoes, fleas, ticks, etc.) and tissue types (mammals, birds, etc.)
- High-quality DNA/RNA is ready for Next-Gen sequencing, RT/qPCR, hybridization, etc.
- DNA/RNA Shield included for sample collection, inactivation and storage

Thomas No.	Description	Unit
1154H18	Quick-DNA/RNA Pathogen MagBead Kit (1 x 96 Preps)	1/ea





SELECT-A-SIZE DCC MAGBEAD KITS

- Tunable: High quality tunable DNA fragment size selection from 150 bp to 800 bps
- Consistent performance: Rapid purification with high reproducibility
- Automation Ready: Scalable automation-friendly protocol

Thomas No.	Description	Unit
1154C67	Select-a-Size DCC MagBead Kit (10 mL)	1/ea



QUICK-16S™ NGS LIBRARY PREP KIT

- Fastest: Only 1.5 hours of hands-on time
- Accurate: Utilization of real-time PCR limits PCR chimera formation
- Increased Coverage: Novel primers increase phylogenetic coverage of Bacteria and Archaea and enable species-level resolution for human microbiome profiling

Thomas No.	Description	Unit
C754J37	Quick-16S NGS Library Prep Kit, 96 rxns	1/ea



QUICK-16S PLUS NGS LIBRARY PREP KIT (V3-V4)

- The most streamlined NGS kit with only 30 minutes of hands-on time for 96 samples
- 100% automation ready with only a single PCR step and without the need for normalization
- Real-time PCR enables absolute microbial copy number quantification species-level resolution for human microbiome profiling

Thomas No.	Description	Unit
CHM01R497	Quick-16STM Plus NGS Library Prep Kit (V3-V4) – 96 rxns	1/ea



QUICK-ITS PLUS NGS LIBRARY PREP KIT

- The most streamlined NGS kit with only 30 minutes of hands-on time for 96 samples
- 100% automation ready with only a single PCR step and without the need for normalization
- Real-time PCR enables absolute microbial copy number quantification

Thomas No.	Description	Unit
CHM01R499	Quick-ITSTM Plus NGS Library Prep Kit – 96 rxns	1/ea



CHM00A006

MAG-BIND FFPE DNA/RNA KITS

Sequential Isolation of DNA and RNA from the Same Sample

- No Xylene used for deparaffinization
- Sequencing quality DNA and DNA-free RNA preparations
- Magnetic bead-based – scalable, automation-friendly purification

Thomas No.	Description	Unit
CHM00A006	Mag-Bind FFPE DNA/RNA Kit (1) 96 Preps	1/ea
CHM00A007	Mag-Bind FFPE DNA/RNA Kit (4) 96 Preps	1/ea

MAG-BIND® VIRAL DNA/RNA 96 KITS

Isolate viral DNA & RNA from whole blood, serum, plasma & bodily fluids using magnetic beads.

- For use on Hamilton, KingFisher™, BioSprint®, MagMAX® 96 and more!

Thomas No.	Description	Unit
C755D39	Mag-Bind Viral DNA/RNA 96 Kit 1 x 96 Preps	1/ea
C755D41	Mag-Bind Viral DNA/RNA 96 Kit 12 x 96 Preps	1/ea

MAG-BIND PLANT DNA DS 96 KITS

High-throughput DNA isolation from plant seed and leaf tissues using magnetic beads

- 96 samples can be processed less than 1 hour
- Highly diverse plant samples processed with ease
- Suitable for most downstream applications

Thomas No.	Description	Unit
C755D22	Mag-Bind Plant DNA DS 96 Kit, (1) 96 Preps	1/ea
C755D23	Mag-Bind Plant DNA DS 96 Kit, (4) 96 Preps	1/ea

MAG-BIND ENVIRONMENTAL DNA 96 KITS

High-quality microbial DNA from yeast, fungi and gram-positive or negative bacteria

- Up to 96 one hundred mg soil samples can be processed in 120 minutes
- Ceramic beads pre-aliquoted in a 96-well format
- Unique inhibitor removal reagent
- No organic extractions

Thomas No.	Description	Unit
C755D37	Mag-Bind Environmental DNA 96 Kit, (1) 96 Preps	1/ea
C755D38	Mag-Bind Environmental DNA 96 Kit, (4) 96 Preps	1/ea

MAG-BIND BLOOD AND TISSUE DNA HDQ 96 KITS

High-throughput DNA isolation from buccal swabs, saliva and tissues using magnetic beads

- 384 samples in two hours
- Scalable DNA purification – 100-200 µL input
- High-quality DNA suitable for qPCR, NGS, etc.

Thomas No.	Description	Unit
C755D42	Mag-Bind Blood and Tissue DNA Kit, (1) 96 Preps	1/ea
C755D43	Mag-Bind Blood and Tissue DNA Kit, (4) 96 Preps	1/ea

MAG-BIND UNIVERSAL PATHOGEN KITS

High throughput DNA and viral RNA isolation from a variety of sample sources

- High-quality host genomic DNA, grampositive and negative bacterial DNA, fungal spore DNA and viral DNA and RNA
- Automated processing time is 1 hour for 96 samples

Thomas No.	Description	Unit
C755D35	Mag-Bind Universal Pathogen Kit, (1) 96 Preps	1/ea
C755D36	Mag-Bind Universal Pathogen Kit, (4) 96 Preps	1/ea

MAG-BIND cfDNA KITS

Isolate circulating, cell-free DNA from plasma or serum using magnetic beads

- For use on Hamilton, KingFisher™, BioSprint®, MagMAX® 96 and more!

Thomas No.	Description	Unit
C755D33	Mag-Bind cfDNA Kit - 50 PREPS	1/ea
C755D34	Mag-Bind cfDNA Kit - 200 PREPS	1/ea

MAG-BIND® TOTALPURE NGS

Mag-Bind® TotalPure NGS offers an easy-to-use, reliable solution for the purification of both DNA and RNA for next-generation sequencing workflows with high recovery rates. Mag-Bind® TotalPure NGS is capable of selectively binding fragments depending on the reagent-to-sample ratio used, giving the user flexibility to perform left, right or double-sided size selection.

Thomas No.	Description	Unit
C755D29	Mag-Bind® TotalPure NGS - 5 mL	1/ea
C755D30	Mag-Bind® TotalPure NGS - 50 mL	1/ea
C755D31	Mag-Bind® TotalPure NGS - 500 mL	1/ea



MAG-BIND® BLOOD & TISSUE DNA HDQ PREFILLED 96 KIT

The Mag-Bind® Blood & Tissue DNA HDQ Prefilled 96 Kit includes prefilled plates in 96-well standard automation format. The configuration of this kit works seamlessly on magnetic processors such as the Thermo Fisher Scientific KingFisher® Flex, QIAGEN BioSprint®, and Applied Biosystems MagMAX® Express-96. Included in this kit are all plastic accessories, including tip combs, that are needed for an extraction run post-lysis. ratio used, giving the user flexibility to perform left, right or double-sided size selection.

Thomas No.	Description	Unit
21A00K700	Automation-ready, prefilled 96-well plates for quick and convenient DNA extraction from blood, saliva, cultured cells, and swabs for magnetic processors. - 4 x 96 Preps	1/ea



SPM WASH BUFFER

For Research Use Only. Not for use in diagnostic procedures.

Thomas No.	Description	Unit
C752R96	SPM Wash Buffer, 40mL	1/ea

ELUTION BUFFER

Elution Buffer. 10 mM Tris-HCl pH 8.5

For Research Use Only. Not for use in diagnostic procedures.

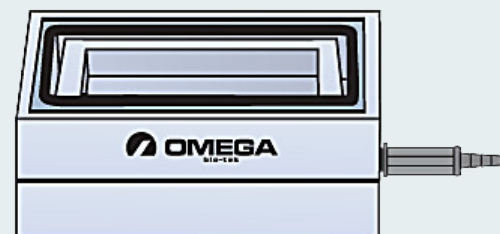
Thomas No.	Description	Unit
C753P74	Elution Buffer, 100mL	1/ea
C755C86	Elution Buffer, 1000mL	1/ea



E-Z 96® VACUUM MANIFOLD

The E-Z 96 Vacuum manifold is designed for DNA/RNA sample preparation with E-Z 96 DNA/RNA Plates. The chamber can be used either as a simple dump for waste filtrate or as a receptacle for a standard 96-well microtiter plate (collection plate). The upper plate has a machined recess that fits our filter plate and contains a custom gasket as well. The top plate has locating holes which correspond directly to the locating pins in the bottom plate for easy alignment and stability.

Thomas No.	Description	Unit
1148U72	E-Z 96® Vacuum Manifold	1/ea





CHM01P722



CHM01P742



CHM01P730

PREPGEM UNIVERSAL

Stream-lined approach provides DNA in approximately 15 minutes

FraprepGEM Universal is MicroGEM's comprehensive solution for effortless high-yield DNA extraction from blood, saliva, and tissues. It is also perfectly suited for extracting DNA from cell cultures. All within a single tube, this method ensures no loss of DNA and excels with low cell number extractions.

- Inhibitor-free solutions mean no harsh chemical washes or multiple steps are required
- Closed-tube extraction protects the integrity of the sample
- Simplified, hands-off workflow frees up technician time, reduces lab costs, and significantly reduces hazardous/plastic waste

Thomas No.	Description	Unit
CHM01P722	prepGEM Universal 50 reactions	50/pk
CHM01P723	prepGEM Universal 100 reactions	100/pk
CHM01P724	prepGEM Universal 500 reactions	500/pk
CHM01P725	prepGEM Universal 1000 reactions	1000/pk

RNAGEM V

Effortless, simultaneous nucleic acid extraction from DNA and RNA viruses ... in minutes, not hours

RNAGEM V utilizes MicroGEM's novel thermophilic proteinase and buffer system to extract nucleic acids from viruses in less than 15 minutes without the need for purification. RNAGEM V is for research use only (RUO), not intended for in-vitro diagnostic (IVD) use.

- Simultaneous extraction from DNA and RNA viruses
- Single-tube extraction
- No ionic detergents or chaotropic salts
- High nucleic acid recovery – Minimal loss of nucleic acids during extraction No magnetic beads – No spin-columns

Thomas No.	Description	Unit
CHM01P742	RNAGEM V 50 Reactions	50/pk
CHM01P743	RNAGEM V 1000 Reactions	1000/pk

RNAGEM WHOLE NUCLEIC ACID EXTRACTION KITS

This powerful, broad-specificity approach is ideal for gene expression from a very small number of cells, such as exosomes or single cells, without the need for harsh chemicals or further purification.

- Ideal for preparing RNA from mammalian cell culture, laser capture microdissection, FACS-prepared cell populations, cells in suspension, adherent cells, cells stored in RNAlaterTM and cell pellets
- Simplified, hands-off workflow provides RT-PCR and RT-qPCR ready RNA in approximately 5 minutes

Thomas No.	Description	Unit
CHM01P730	RNAGEM 50 reactions	50/pk
CHM01P731	RNAGEM 100 reactions	100/pk
CHM01P732	RNAGEM 500 reactions	500/pk
CHM01P733	RNAGEM 1000 reactions	1000/pk

VERIFI™ POLYMERASE

PCR BIO VeriFi™ Polymerase is a versatile and robust high fidelity enzyme engineered for all PCR applications where greater sequence accuracy is required.

- 100x higher fidelity than Taq DNA polymerase
- Increased PCR success rates with complex genomic templates 17.5kb and over
- Efficient, specific amplification from challenging templates including GC and AT rich sequences
- High yields under standard and fast PCR conditions (10-30s/kb)
- High temperature cycling for reduced GC bias
- Generates blunt-end PCR products

Thomas No.	Description	Unit
CHM02C851	PCR BIO VeriFi™ Polymerase 100 units	100/ea
CHM02C852	PCR BIO VeriFi™ Polymerase 500 units	500/ea



ISOFAST™ BST POLYMERASE

IsoFast™ Bst Polymerase is a recombinant form of the large fragment of Bst DNA polymerase, containing 5'-3' polymerase activity and strand displacement activity.

- Has strand-displacing 5'-3' polymerase activity
- Lacks 5'-3' exonuclease activity
- DNA synthesis is performed at a constant temperature
- Operates over a broad temperature range, with an optimum of 65°C
- Gives rapid and consistent amplification across a wide range of templates

Thomas No.	Description	Unit
CHM02C882	IsoFast Bst Polymerase 8000 units	8000/ea
CHM02C884	IsoFast Bst Polymerase with Dye 8000 units	8000/ea
CHM02C885	IsoFast Bst Mix 100 reactions	100/ea



ISOFAST™ BST 1-STEP MIX

IsoFast™ Bst 1-Step Mix is a dual enzyme system for rapid and sensitive isothermal amplification of RNA targets in one step.

Thomas No.	Description	Unit
CHM02C887	IsoFast Bst 1-Step Mix 100 reactions	100/ea

VERIFI™ MIX

PCR BIO VeriFi™ Mix is a versatile and robust high fidelity enzyme engineered for all PCR applications where greater sequence accuracy is required. Enhanced processivity combined with advanced buffer chemistry give significant improvements in speed, yield and sensitivity while also increasing PCR success rates of long and challenging templates.

Thomas No.	Description	Unit
CHM02C853	PCR BIO VeriFi™ Mix 100 reactions	100/ea
CHM02C854	PCR BIO VeriFi™ Mix 500 reactions	500/ea





ARIAMX REAL-TIME PCR SYSTEM

Fully integrated qPCR solution



The AriaMx Real-Time PCR system is a fully integrated qPCR solution for amplification, detection, and data analysis, combining a novel thermal cycler, an advanced optical system with LED excitation source, and comprehensive data analysis software.

Thomas No.	Description	Unit
21A00J674	ARIAMx qPCR Base Unit (with Installation) Data analysis software included - unlimited downloads	1/ea

SYBR/FAM OPTICAL CARTRIDGE

Thomas No.	Description	Unit
21A00J676	SYBR/FAM Optical Cartridge 462.5 - 516.0 nm Detectable Ct for 0.001 ng/DNA per reaction (R2 > 0.980)	1/ea

ROX OPTICAL CARTRIDGE

Thomas No.	Description	Unit
21A00J677	ROX Optical Cartridge 585.0 - 610.0 nm Detectable Ct for 0.001 ng/DNA per reaction (R2 > 0.980)	1/ea

HEX OPTICAL CARTRIDGE

Thomas No.	Description	Unit
21A00J678	HEX Optical Cartridge 535.0 - 555.0 nm Detectable Ct for 0.001 ng/DNA per reaction (R2 > 0.980)	1/ea

CY3 OPTICAL CARTRIDGE

Thomas No.	Description	Unit
21A00J679	CY3 Optical Cartridge 542.0 - 568.5 nm Detectable Ct for 0.001 ng/DNA per reaction (R2 > 0.980)	1/ea

CY5 OPTICAL CARTRIDGE

Thomas No.	Description	Unit
21A00J680	CY5 Optical Cartridge 635.0 - 665.0 nm Detectable Ct for 0.001 ng/DNA per reaction (R2 > 0.980)	1/ea

ATTO425 OPTICAL CARTRIDGE

Thomas No.	Description	Unit
21A00J681	Atto425 Optical Cartridge 435.0 - 475.0 nm Detectable Ct for 0.001 ng/DNA per reaction (R2 > 0.980)	1/ea

qPCR ULTRA-FAST KITS

qPCR BRILLIANT III PROBE MASTER MIX

Thomas No.	Description	Unit
CHM01Q969	Brilliant III Ultra-Fast qPCR Master Mix 400 Rxn, Designed for researchers who want access to their data faster without compromising data quality. 20 uL/rxn	1/ea

qPCR BRILLIANT III SYBR MASTER MIX WITH ROX

Thomas No.	Description	Unit
CHM01Q976	Brilliant III Ultra-Fast SYBR Green qPCR Master Mix 400 Rxn, Pack contains two master mixes with ROX provided in separate tube. Uses 20 uL/reaction.	1/ea

qPCR ULTRA-FAST qRT-PCR KITS

qRT-PCR BRILLIANT III SYBR MASTER MIX

Thomas No.	Description	Unit
CHM01Q955	Brilliant III Ultra-Fast SYBR Green qRT-PCR Master Mix 400 Rxn, Pack contains two modules: RT module containing MMLV Reverse Transcriptase and RNase Block, 2x qPCR master mix with ROX in separate tube. Uses 20 uL/reaction	1/ea

qRT-PCR BRILLIANT III PROBE MASTER MIX

Thomas No.	Description	Unit
CHM01Q953	Brilliant III Ultra-Fast qRT-PCR Master Mix 400 Rxn, Designed for researchers who want access to their data faster without compromising data quality.	1/ea

MIRNA DETECTION KITS

qRT-PCR BRILLIANT III SYBR MASTER MIX

Thomas No.	Description	Unit
CHM01Q958	miRNA qPCR Master Mix 200 Rxn, Enables streamlining process without a change in performance	1/ea

miRNA qPCR DETECTION REAGENTS

Thomas No.	Description	Unit
CHM01Q934	miRNA qRT-PCR Master Mix Detection Kit 200 Rxn, Kit provides reagents for the synthesis of first-strand cDNA from the tailed miRNAs as well as a qPCR master mix containing all the necessary enzymes, dyes, and reagents	1/ea

REAL-TIME DETECTION KITS

MYCOSENSOR qPCR ASSAY KITS

Thomas No.	Description	Unit
CHM01Q935	MycSensor qPCR Assay Kit 50 Rxn, All the reagents you need for amplification and fluorescence detection, internal controls, DNA purification reagents	1/ea

BRILLIANT HRM ULTRA-FAST LOCI MASTER MIX

Thomas No.	Description	Unit
CHM01Q942	Brilliant HRM Ultra-Fast Loci Master Mix 200 Rxn, 2 mL 200 20 uL reactions	1/ea

BRILLIANT PROBE MULTIPLEX MASTER MIX

Thomas No.	Description	Unit
CHM01Q957	Brilliant Multiplex qPCR Master Mix 200 Rxn, Amplifies up to four targets in a single real-time qPCR reaction. 25 uL/reaction	1/ea

qPCR NGS LIBRARY QUANTIFICATION KIT

Thomas No.	Description	Unit
CHM01Q937	qPCR NGS Library Quant Kit, Illumina GA 1 Kit, Accurate, sensitive, scalable qPCR assay for quantification of Illumina GA sequencing libraries	1/ea

ENZYMES AND REAGENTS

HIGH-FIDELITY/GC-RICH TARGET DNA POLYMERASES FOR PCR

HERCULASE II FUSION DNA POLYMERASES

Thomas No.	Description	Unit
CHM01R366	Herculase II Fusion DNA Polymerase 200 Rxn, 5X Herculase II Fusion DNA Polymerase, DMSO, Deoxynucleotide Mix (dNTP's)	1/ea
CHM01R367	Herculase II Fusion DNA Polymerases 400 Rxn, 5X Herculase II Fusion DNA Polymerase, DMSO, Deoxynucleotide Mix (dNTP's)	1/ea

PFUULTRA II FUSION HOTSTART DNA POLYMERASE

Thomas No.	Description	Unit
CHM01R368	PfuUltra II Fusion HotStart DNA Polymerase 40 Rxn, 10X PfuUltra II Fusion HS Reaction Buffer	1/ea
CHM01R369	PfuUltra II Fusion HotStart DNA Polymerase 200 Rxn, 10X PfuUltra II Fusion HS Reaction Buffer	1/ea
CHM01R370	PfuUltra II Fusion HotStart DNA Polymerase 400 Rxn, 10X PfuUltra II Fusion HS Reaction Buffer	1/ea

PFUULTRA II HOTSTART PCR MASTER MIX

Thomas No.	Description	Unit
CHM01R372	PfuUltra II Hotstart PCR Master Mix 100 Rxn, 2X master mix formulation of PfuUltra® II Fusion HS DNA Polymerase	1/ea
CHM01R371	PfuUltra II Hotstart PCR Master Mix 400 Rxn, 2X master mix formulation of PfuUltra® II Fusion HS DNA Polymerase	1/ea

RNA ISOLATION KITS

ABSOLUTELY TOTAL RNA FFPE PURIFICATION KITS

Thomas No.	Description	Unit
CHM01Q985	Absolutely RNA FFPE Kit (w/o deparaffinization reagents) 50 Preps, Kit delivers a simple and reliable, nontoxic method to isolate quality RNA from paraffin embedded human and mouse tissue sections and includes a quantitative RNA reference standard for mean	1/ea
CHM01Q984	Absolutely RNA FFPE Kit 50 Preps, Kit delivers a simple and reliable, nontoxic method to isolate quality RNA from paraffin embedded tissue sections and includes a quantitative RNA reference standard for meaningful qRT-PCR expression analysis	1/ea

ABSOLUTELY TOTAL RNA PURIFICATION KITS

Thomas No.	Description	Unit
CHM01Q987	Absolutely RNA 96 Microprep Kit 2 Plates, High-throughput RNA purification kit in a 96 well format. Two plates per kit.	2/ea
CHM01Q989	Absolutely RNA Microprep Kit 50 Preps, Optimized for efficient purification of DNA-free total RNA from cultured cells	1/ea
CHM01Q988	Absolutely RNA Miniprep Kit 50 Preps, Designed to produce high yields of pure total RNA from cells or tissue samples, qualified for RT-PCR and qRT-PCR	1/ea
CHM01Q990	Absolutely RNA miRNA Kit 50 Preps, Designed to produce high yields of pure miRNA containing total RNA from cells or tissue samples, qualified for RT-PCR and qRT-PCR	1/ea
CHM01Q986	Absolutely RNA Nanoprep Kit 50 Preps, The only kit qualified to isolate concentrated total RNA from the smallest samples, down to a single cell	2/ea



PCR - BASED DETECTION KITS

MYCOSENSOR ASSAY KITS

Thomas No.	Description	Unit
CHM01R417	Mycosensor PCR Assay Kit 50 Rxn, A gel-based PCR assay for rapid detection of mycoplasma contamination in human cell lines with results in less than 3.5 hours. Kit includes PCR and positive controls.	1/ea

SUREDIRECT BLOOD PCR KIT

Thomas No.	Description	Unit
CHM01R414	SureDirect Blood PCR Kit 100 Rxn, Specially formulated with a mutant of Taq DNA polymerase designed to overcome blood inhibitors for more robust performance. Designed for amplification of targets directly from whole blood and blood derivative samples.	1/ea

EASY-A HI-FI CLONING ENZYME

Thomas No.	Description	Unit
CHM01R356	Easy-A High-Fidelity PCR Master Mix 100 Rxn, 2X Easy-A High-Fidelity PCR Master Mix including dNTP's	1/ea

CDNA SYNTHESIS KITS

ACCUSCRIPT HIGH-FIDELITY REVERSE TRANSCRIPTASE

Thomas No.	Description	Unit
CHM01Q928	AccuScript High-Fidelity 1st Strand cDNA Synthesis Kit	1/ea
CHM01Q930	AccuScript PfuUltra II RT-PCR Kit 50 Rxn, AccuScript PfuUltra II RT-PCR kit is the highest fidelity RT-PCR system available	1/ea
CHM01Q933	AffinityScript Multiple Temperature cDNA Synthesis Kit 50 rxn, Kit delivers high yields of cDNA using a broad range of temperatures for your application	1/ea
CHM01Q932	AffinityScript qPCR cDNA Synthesis Kit, 1 Kit, Kit delivers fast, efficient cDNA synthesis for qRT-PCR	1/ea
CHM01Q927	AffinityScript One-Step RT-PCR Kit 100 Rxn, The kit has been engineered to deliver the highest yield of any one-step RT-PCR kit	1/ea



AZENTA
LIFE SCIENCES

All FluidX tubes are developed with broad compatibility in mind, performing without compromise in conjunction with automated code reading, capping and sample management systems from FluidX and all other industry-recognized manufacturers.



	24-format, 7.6 mL External Thread, Next Gen Jacket Tri-coded	24-format 5.0 mL External Thread, Jacket Tri-coded	24-format, 6.0 mL External Thread, Jacket Tri-coded Glass	48-format, 3.8 mL External Thread, Next Gen Jacket Tri-coded	24-format 4.0 mL External Thread, Jacket Tri-coded Glass	24-format, 2.2 mL Tissue External Thread, Dual-coded	48-format, 1.9 mL External Thread, Next Gen Jacket Tri-coded	48-format, 1.8 mL Internal Thread, 2D-coded	48-format, 1.8 mL External Thread, 2D-coded	48-format, 2.0 mL External Thread, Jacket Tri-coded Glass	48-format, 1.8 mL Internal Thread, Jacket Tri-coded	48-format, 1.5 mL External Thread, Next Gen Jacket Tri-coded
Max Working Volume (mL) Screw Cap	7.6	5.0	6.0	3.8	4.0	2.2	1.9	1.8	1.8	2.0	1.8	1.5
Max Working Volume (µL) Screw Cap	7660	5080	–	3830	–	2250	1910	–	–	–	–	1500
Max Working Volume (µL) Septum Cap	–	–	–	–	–	–	–	–	–	–	–	–
Tube Height (mm)	77.4	56.4	56.4	75	48.2	25.9	38.2	38	40	48.1	38.2	30.6
Tube Height with Cap (mm)	83.6	62.6	58.9	80.7	50.6	32.1	43.9	47.8	47.1	50.7	48	36.3
Tube Height with Septum Cap (mm)	–	–	–	–	–	–	–	–	–	–	–	–
Inner Diameter (mm)	13	13	12	9.6	11	13.1	9.6	10.6	9.8	8	10.6	9.6
Outer Diameter with Cap (mm)	17	17	17	12.8	15.8	17	12.8	12.6	13.1	13.4	12.6	12.6
Center to Center (mm)	18	18	18	13.5	18	18	13.5	13.5	13.5	13.5	13.5	13.5
Min Temperature °C Screw Cap	-196	-196	-80	-196	-80	-196	-196	-196	-196	-80	-196	-196
Min Temperature °C Septum Cap	–	–	–	–	–	–	–	–	–	–	–	–
2D Barcoded	Base	Base	Base	Base	Base	Base/ Side	Base	Base	Base	Base	Base	Base
Human Eye Legible	Side	Side	Side	Side	Side	Side	Side	–	–	Side	Side	Side
Linear Barcode	Side	Side	Side	Side	Side	–	Side	–	–	Side	Side	Side



AZENTA
LIFE SCIENCES



48-format, 1.0 mL Internal Thread, 2D-coded	96-format 1 mL External Thread, Next Gen Jacket Tri-coded	96-format 0.9 mL External Thread, Next Gen Dual-coded	96-format, 0.9 mL Internal Thread, Next-Gen Jacket Tri-coded	96-format, 0.9 mL Internal Thread, Next-Gen Dual-coded	96-Format 0.7 mL Internal Thread, Next Gen Dual-coded	96-format 0.65 mL Internal Thread, Next Gen Jacket Tri-coded	96-format, 0.5 mL External Thread, Next Gen Jacket Tri-coded	96-format, 0.5 mL External Thread, Next-Gen Dual-coded	96-format, 0.48 mL Internal Thread, Next Gen Jacket Tri-coded	96-format, 0.3 mL Internal Thread, Next-Gen Dual-coded	96-format, 0.2 mL External Thread, 2D-coded	96-format, 0.26 mL External Thread, Next Gen Jacket Dual-coded	FluidX AcoustiX™ Sample Tube, Labcyte Echo® Qualified Consumable
1.0	1.0	0.9	0.9	0.9	0.7	0.65	0.5	0.5	0.48	0.3	0.2	0.26	0.07
–	1000	911	916	929	731	666	552	550	482	336	204	261	70
–	916	887	999	1018	821	749	525	525	572	425	–	238	–
32	46.2	42.3	44.2	43.5	36.2	36.8	26.4	26.4	26.4	21	24.1	15.2	13.4
41.8	49.6	45.7	52.5	51.8	44.5	45.1	29.8	29.8	34.7	29.3	27.5	18.6	14.7
–	47.4	43.5	45.4	44.7	37.4	38	27.6	27.6	27.6	22.1	–	16.4	–
10.6	6.5	6.5	6.8	6.8	6.8	6.8	6.5	6.5	6.8	6.8	3.9	6.5	6.5
12.6	8.7	8.7	8.6	8.6	8.6	8.6	8.7	8.5	8.3	8.7	5.8	8.7	7.6
13.5	9	9	9	9	9	9	9	9	9	9	9 (96) 6 (240)	9	–
-196	-196	-196	-196	-196	-196	-196	-196	-196	-196	-196	-196	-196	-80
–	-80	-80	-80	-80	-80	-80	-80	-80	-80	-80	–	-80	–
Base	Base	Base	Base	Base	Base	Base	Base	Base	Base	Base	Base	Base/ Side	2D4 Quad Code
–	Side	Base	Side	Base	Base	Side	Side	Base	Side	Base	–	Side	–
–	Side	–	Side	–	–	Side	Side	–	Side	–	–	–	–



AZENTA
LIFE SCIENCES



1150K71



1150K74



1150K65

FLUIDX BARCODE READING SYSTEMS

FluidX provides dependable decoding solutions. Their range of single-tube and whole-rack sample tube readers are the result of over 15 years of continuous development and innovation. Bring the best products with the most useful features to the sample storage market.

The FluidX Impression™ and Perception™ lines offer fast identification of SBS-format racked, 2D barcoded sample storage tubes, without the need to remove tubes from racks – backbone of many sample storage and tracking systems. For applications including biobanks, compound libraries and other high-throughput storage environments.

FLUIDX IMPRESSION™ WHOLE RACK SCANNER

Small-footprint scanner for rapid reading and integration

- Compact, bench-top whole SBS rack scanner
- No decoding attempt for empty tube positions
- Active cryo-protection option

Thomas No.	Description	Unit
20A00A008	FluidX Impression™ Rapid Rack Scanner	1/ea
1150K71	FluidX Impression™ Whole Rack Scanner w/Opticon USB Linear Barcode Reader	1/ea

FLUIDX PERCEPTION™ HD LF WHOLE RACK READER

Advanced camera-based imaging system

- Automation and robotics friendly
- Easy integration with IntelliCode™ software
- Additional sample security
- Seamless changing of rack format
- No decoding attempt for empty tube positions

Thomas No.	Description	Unit
1150K74	FluidX Perception™ HD LF Whole Rack Reader	1/ea
1150K77	Multiple Position Linear Barcode Adapter	1/ea

FLUIDX SCOPE™ SINGLE TUBE BARCODE READERS

The Scope™ tube reader range are high-performance, easy-to-use, portable readers developed with broad compatibility in mind, reading any 2D barcoded sample tube currently on the market, not only those supplied by FluidX.

- Instant 'plug and play' decoding of both 1D and 2D barcodes
- Flexible connectivity with Scope™ BT Wireless
- Quick to set up, no calibration, no drivers or software to install
- Data export direct to any application

Thomas No.	Description	Unit
1150K65	FluidX Scope™ USB Single Tube Reader	1/ea
1150K66	FluidX Scope™ Bluetooth Wireless Single Tube Reader	1/ea

FLUIDX CAPPING/DECAPPING SYSTEMS

FluidX provides dependable manual, semi and fully-automated capping and decapping solutions. The range incorporates products from single-tube manual decappers, through column cappers/decappers to fully automated and whole-rack solutions.



AZENTA
LIFE SCIENCES

FLUIDX APERIO™ SEMI-AUTOMATIC CAPPER/DECAPPER

FluidX Apero semi-automated systems are compact, bench top units designed for efficient tube capping in labs with medium throughput, offering the consistency of an automated system, but at much lower cost.

- Flexible options to suit a range of tube types
- Fast and consistent sealing performance
- Space saving design

Thomas No.	Description	Unit
1150K81	FluidX Apero 8 for FluidX 96-Format Internal Thread Tubes and Racks	1/ea
1150K82	FluidX Apero 8 for FluidX 96-Format External Thread Tubes and Racks	1/ea
1150K83	FluidX Apero 6 for FluidX 48-Format External Thread Jacket Cryo Tubes and Racks	1/ea
1150K84	FluidX Apero 6 for FluidX 48-Format Internal Thread Cryo Tubes and Racks	1/ea
1150K85	FluidX Apero 4 for FluidX 24-Format External Thread Jacket Cryo Tubes and Racks	1/ea



1150K81

FLUIDX INTELLIXCAP™ CAPPER/DECAPPER

FluidX IntelliXcap 96 is the next-generation capper/decapper, engineered for increased throughput, ease of use and high reliability, making it ideal for any laboratory managing compound libraries or biological sample stores.

- Compact, modular design for ultimate flexibility
- For use with 96-format screw cap racked tubes

Thomas No.	Description	Unit
1150K89	FluidX IntelliXcap 96-Format Screw Cap Tube Rack Capper/Decapper	1/ea



1150K89

FLUIDX XDC-96 AUTOMATIC CAPPER/DECAPPER FOR PUSH CAPS

FluidX XDC-96 is a compact, standalone, high-speed whole-rack tube capper/decapper that automatically removes, recaps or disposes of septum caps from a full 96-format SBS rack of sample storage tubes. For use with most 96-format TPE septum sealed caps.

- Broad compatibility
- Can be integrated into automated sample storage and handling environments
- Purge module and air blade for automation

Thomas No.	Description	Unit
1150L03	FluidX XDC-96 Automatic 96-Format Tube Rack Capper/Decapper	1/ea



1150L03

SAFE® 96 XT

SAFE® 96 IT



XSX 200

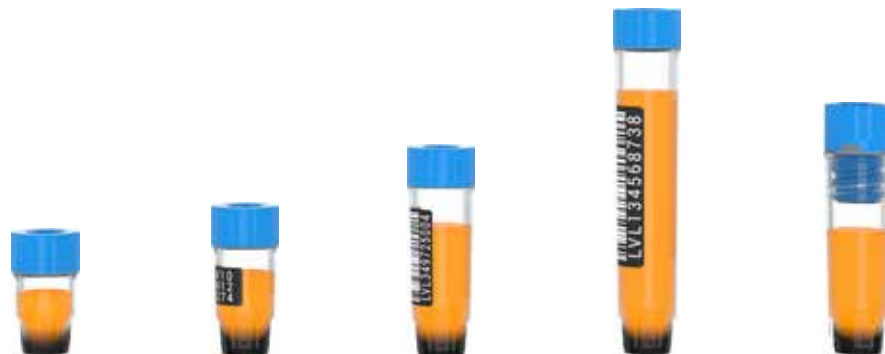
SX 300

MX 500








LX 1000

MI 500

2D Sample Storage and
Biobanking Solutions for
Demanding Long-term
Sample Archiving
Requirements



Working Volume					
with Screw Cap	220 µL	300 µL	500 µL	1,000 µL	480 µL
with Push Cap	220 µL	300 µL	500 µL	1,000 µL	550 µL
with Heat Seal	250 µL	330 µL	530 µL	1,030 µL	600 µL
Type of Rack	96 SBS Rack	96 SBS Rack	96 SBS Rack	96 SBS Rack	96 SBS Rack
Type of Rack Lid	Slide Lock	Slide Lock	Slide Lock Push Lock	Slide Lock Push Lock	Slide Lock Push Lock
Storage Temperature					
with Screw Cap	- 196°C	- 196°C	- 196°C	- 196°C	- 196°C
with Push Cap	- 80°C	- 80°C	- 80°C	- 80°C	- 80°C
with Heat Seal	- 80°C	- 80°C	- 80°C	- 80°C	- 80°C
Outer Diameter	8.65 mm	8.65 mm	8.65 mm	8.65 mm	8.65 mm
Tube Height					
without Cap	14.6 mm	18.2 mm	26.2 mm	44.3 mm	26.9 mm
with Screw Cap	16.0 mm	19.5 mm	27.5 mm	45.6 mm	33.1 mm
with Push Cap	16.0 mm	19.5 mm	27.5 mm	45.6 mm	28.0 mm
Side code labelling					
Barcode 1D	No	No	Optional	Optional	Optional
Human Eye Legible	No	Optional	Optional	Optional	Optional
Screw Caps					
Pre-capped	Yes	Yes	Yes	Yes	Yes
on Cap Rack	Yes	Yes	Yes	Yes	Yes
Bulkware	Yes	Yes	Yes	Yes	Yes
Available presterilized	Optional	Optional	Optional	Optional	Optional
Availability	Rack, Bulk	Rack, Bulk	Rack, Bulk	Rack, Bulk	Rack, Bulk
Rack Height					
without Cap	15.1 mm	18.7 mm	26.7 mm	44.8 mm	27.4 mm
with Screw Capped Tubes	16.5 mm	20.2 mm	28.0 mm	46.1 mm	33.6 mm
with Rack Lid	22.3 mm	22.3 mm	30.3 mm	48.3 mm	36.3 mm

SAFE® 48 XT			SAFE® 24 XT			
LI 1000	XLX 2000	XLX 4000	XXLX 2000	XXLX 4000	XXLX 6000	XXLX 8000
						
1,000 µL	2,000 µL	4,000 µL	2,000 µL	4,000 µL	6,000 µL	8,000 µL
1,070 µL	n/a	n/a	n/a	n/a	n/a	n/a
1,120 µL	2,000 µL	4,000 µL	2,000 µL	4,000 µL	6,000 µL	8,000 µL
96 SBS Rack	48 SBS Rack	48 SBS Rack	24 SBS Rack	24 SBS Rack	24 SBS Rack	24 SBS Rack
Slide Lock Push Lock	Slide Lock	Slide Lock	Slide Lock	Slide Lock	Slide Lock	Slide Lock
- 196°C	- 196°C	- 196°C	- 196°C	- 196°C	- 196°C	- 196°C
- 80°C	n/a	n/a	n/a	n/a	n/a	n/a
- 80°C	n/a	n/a	n/a	n/a	n/a	n/a
8.65 mm	12.80 mm	13.00 mm	17.80 mm	17.80 mm	17.80 mm	17.80 mm
44.8 mm	44.2 mm	82.5 mm	24.5 mm	39.0 mm	55.5 mm	69.7 mm
51.2 mm	45.5 mm	83.8 mm	25.9 mm	40.4 mm	56.9 mm	71.2 mm
45.9 mm	n/a	n/a	n/a	n/a	n/a	n/a
Optional	Yes	Yes	Optional	Optional	Optional	Optional
Optional	Yes	Yes	Optional	Optional	Optional	Optional
Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes	Yes
Optional	Optional	Optional	Optional	Optional	Optional	Optional
Rack, Bulk	Rack, Bulk	Rack, Bulk	Rack, Bulk	Rack, Bulk	Rack, Bulk	Rack, Bulk
45.3 mm	44.7 mm	83.2 mm	n/a	n/a	n/a	n/a
51.7 mm	46.0 mm	84.5 mm	26.4 mm	40.9 mm	58.7 mm	73.0 mm
54.3 mm	48.4 mm	87.0 mm	29.9 mm	43.8 mm	60.6 mm	74.5 mm



SAFE® CAP FULLY-AUTOMATIC 96-CHANNEL DE-/CAPPER

Latest cap driver technology

Cap drivers with spring-loaded metal balls optimally adapt to the caps and permit 100% leak-tight and material-saving sealing of the tubes without tilting. Innovative and low-maintenance rack-to-head technology: It is not the complex driver head moves to the rack, but the rack is lifted to the head.

- Fully-automatic 96-channel de-/capper for use with LVL tubes
- Caps can be held or placed on a cap rack
- Can be operated as an integrated and standalone device
- Touchscreen panel provides easy navigation through the system



SAFE CAP FULLY-AUTOMATIC 96-CHANNEL DE-/CAPPER

Thomas No.	Description	Unit
1148R87	SAFE Cap 96S Fully automatic 96-Channel for internal thread	1/ea
1132R62	SAFE Cap 96S Fully automatic 96-Channel for external thread	1/ea

DATAPAQ™ MIRAGE 2D SCANNERS

Setting New Standards for 2D Barcode Rack Scanners

The DataPac Mirage 2D scanner offers easy, out-of-the-box set up and is delivered pre-calibrated and ready to scan. Its low profile and economic price makes the Mirage the perfect replacement for a traditional flat bed scanner.

- The most compact camera-based 2D rack reader available
- Low profile allows use on robotic liquid handling systems
- Scans all current, commonly used, SBS format racks

DATAPAQ MIRAGE 2D SCANNERS

Thomas No.	Description	Unit
1139F77	DataPac Mirage Single Rack Scanner	1/ea
1149H84	DataPac Mirage Single Rack Scanner with Cryoprotection™	1/ea
1148W32	Mirage 1D Rack Code Scanner	1/ea



1139F77

MOHAWK SEMI-AUTOMATED TUBE PICKER

- Fast and reliable tube picking from 96 position racks
- Works with frozen and thawed tubes
- Generate pick lists from other software or internally
- Connects to most 2D scanners for tube confirmation
- 1D scanner for rack barcode included as standard

MOHAWK SEMI-AUTOMATED TUBE PICKER

Thomas No.	Description	Unit
1144B89	Mohawk Semi-Automated Tube Picker	1/ea



1144B89

50™ TS MICROPLATE WASHERS

The 50™ TS Washer offers functionality that is unsurpassed in its class. The color touchscreen provides a visual interface that makes creating protocols fast and intuitive. Its performance for conventional plate washing is excellent, and it is also ideal for cell-based assay washing and for processing biomagnetic or polystyrene bead and vacuum filtration protocols.

50™ TS MICROPLATE WASHERS

- High quality, high performance automated microplate washing at an affordable price
- Application versatility: ELISA to cell-based assays and bead-based assays
- Color touchscreen for quick, easy programming and operation

Thomas No.	Description	Unit
1160Y69	50 TS Microplate Washer, 8-channel	1/ea
1160Y70	50 TS Microplate Washer, 12-channel	1/ea
1160Y71	50 TS Microplate Washer, 16-channel	1/ea



1160Y69

ELX808™ ABSORBANCE MICROPLATE READERS

The ELx808™ Absorbance Microplate Reader offers proven performance for many applications, from endpoint to fast kinetic protocols. The ELx808 is widely recognized as offering the industry-leading 4-Zone™ temperature control, which optimizes conditions for even the most temperature sensitive assays.

ELX808™ ABSORBANCE MICROPLATE READERS

- Superior incubation
- Fast kinetics, plus endpoint and linear well scanning
- Optical design eliminates crosstalk

Thomas No.	Description	Unit
6880G11	Ultra Microplate Reader	1/ea
6880G13	Ultra Microplate Reader w/UV & Incubator	1/ea



6880G11

800™ TS ABSORBANCE READERS

The 800™ TS Absorbance Reader is an affordable, high quality microplate reader for assays in 6- to 384-well formats. The color touchscreen provides a visual user interface, making programming fast and intuitive. Applications for the 800 TS extend from endpoint ELISA to temperature sensitive kinetic assays, enabled with Gen5 Software.

800™ TS ABSORBANCE READERS

- High quality, high performance at an affordable price
- Application versatility: ELISA, protein and other endpoint assays to kinetics and cell based assays
- Color touchscreen for quick, easy programming and operation

Thomas No.	Description	Unit
1160Y65	800 TS Absorbance Reader, 6- to 96-well plates, 400-750 nm detection w/shaking	1/ea
1160Y66	800 TS Absorbance Reader, 6- to 96-well plates, 400-750 nm detection w/temperature control & shaking	1/ea
1160Y67	800 TS Absorbance Reader, 6- to 96-well plates, 340-750 nm detection w/shaking	1/ea
1160Y68	800 TS Absorbance Reader, 6- to 384-well plates, 400-750 nm detection	1/ea



1160Y65

RACKS FOR ALL FREEZER AND LABWARE TYPES!

A More Organized System for Storage and Retrieval of Samples

- Constructed of corrosion resistant stainless steel
- Security lock devices available for each rack
- Lifetime warranty on craftsmanship
- Custom configurations available upon request



UPRIGHT RACKS FOR STANDARD 2" BOXES

Thomas No.	Dimensions LxHxW (in)	Dimensions LxHxW (mm)	Capacity
1201X89	16 5/16 x 6 5/8 x 5 1/2	415 x 168 x 140	3 x 3 = 9
1201X90	16 5/16 x 8 7/8 x 5 1/2	415 x 225 x 140	3 x 4 = 12
1201X91	16 5/16 x 11 x 5 1/2	415 x 280 x 140	3 x 5 = 15
1201X94	21 5/8 x 6 5/8 x 5 1/2	550 x 168 x 140	4 x 3 = 12
1201X95	21 5/8 x 8 7/8 x 5 1/2	550 x 225 x 140	4 x 4 = 16
1201X96	21 5/8 x 11 x 5 1/2	550 x 280 x 140	4 x 5 = 20
1201X97	21 5/8 x 12 5/8 x 5 1/2	550 x 321 x 140	4 x 6 = 24
1201Y00	26 3/4 x 8 7/8 x 5 1/2	679 x 225 x 140	5 x 4 = 20
1201Y01	26 3/4 x 11 x 5 1/2	679 x 280 x 140	5 x 5 = 25

UPRIGHT DRAWER RACKS FOR STANDARD 2" BOXES

Thomas No.	Dimensions LxHxW (in)	Dimensions LxHxW (mm)	Capacity
1201Y24	16 1/2 x 7 1/8 x 5 1/2	419 x 181 x 140	3 x 3 = 9
1201Y25	16 1/2 x 9 7/16 x 5 1/2	419 x 240 x 140	3 x 4 = 12
1201Y29	22 x 9 7/16 x 5 1/2	559 x 240 x 140	4 x 4 = 16
1201Y30	22 x 11 13/16 x 5 1/2	559 x 300 x 140	4 x 5 = 20
1201Y31	22 x 14 1/8 x 5 1/2	559 x 359 x 140	4 x 6 = 24
1201Y34	26 3/4 x 9 7/16 x 5 1/2	679 x 240 x 140	5 x 4 = 20
1201Y35	26 3/4 x 11 13/16 x 5 1/2	679 x 300 x 140	5 x 5 = 25

UPRIGHT DRAWER RACKS FOR 15 AND 50 mL TUBES

Thomas No.	Dimensions LxHxW (in)	Dimensions LxHxW (mm)	Capacity
1200C48	22 x 9 15/16 x 5 1/2	559 x 252 x 140	160 x 15 mL
1200C54	22 x 9 15/16 x 5 1/2	559 x 252 x 140	78 x 50 mL

VERTICAL RACKS FOR CHEST FREEZERS AND LN² TANKS FOR STANDARD 2" BOXES

Thomas No.	Dimensions LxHxW (in)	Dimensions LxHxW (mm)	Capacity
1201Y57	22 x 5 5/8 x 5 1/2	559 x 143 x 140	10
1201Y58	24 3/16 x 5 5/8 x 5 1/2	615 x 143 x 140	11
1201Y59	26 3/8 x 5 5/8 x 5 1/2	670 x 143 x 140	12
1201Y60	28 1/4 x 5 5/8 x 5 1/2	717 x 143 x 140	13

UPRIGHT RACKS FOR STANDARD 3" BOXES

Thomas No.	Dimensions LxHxW (in)	Dimensions LxHxW (mm)	Capacity
1201Y09	16 5/16 x 9 3/8 x 5 1/2	415 x 238 x 140	3 x 3 = 9
1201Y13	21 5/8 x 9 3/8 x 5 1/2	550 x 238 x 140	4 x 3 = 12
1201Y17	26 3/4 x 9 1/2 x 5 1/2	679 x 241 x 140	5 x 3 = 15
1201Y14	22 1/8 x 12 5/8 x 5 1/2	562 x 321 x 140	4 x 4 = 16

UPRIGHT DRAWER RACKS FOR STANDARD 3" BOXES

Thomas No.	Dimensions LxHxW (in)	Dimensions LxHxW (mm)	Capacity
1201Y41	16 1/2 x 10 1/16 x 5 1/2	419 x 256 x 140	3 x 3 = 9
1201Y44	22 x 10 1/16 x 5 1/2	559 x 256 x 140	4 x 3 = 12
1201Y48	26 3/4 x 10 1/16 x 5 1/2	679 x 256 x 140	5 x 3 = 15

UPRIGHT RACKS FOR 96 AND 384-WELL MICROPLATES

Thomas No.	Dimensions LxHxW (in)	Dimensions LxHxW (mm)	Capacity
1149P23	18 3/8 x 9 3/16 x 5 1/2	466 x 233 x 140	70 w/ Lids 80 w/o Lids
1149P24	18 3/8 x 11 x 5 1/2	466 x 280 x 140	85 w/ Lids 95 w/o Lids
1149P27	22 x 9 3/16 x 5 1/2	559 x 233 x 140	84 w/ Lids 96 w/o Lids
1149P28	22 x 11 x 5 1/2	559 x 280 x 140	96 w/ Lids 120 w/o Lids

UPRIGHT RACKS FOR 96 DEEP-Well MICROPLATES

Thomas No.	Dimensions LxHxW (in)	Dimensions LxHxW (mm)	Capacity
1149P00	18 3/8 x 9 3/16 x 5 1/2	466 x 233 x 140	5 x 5 = 25
1149P03	22 x 11 x 5 1/2	559 x 280 x 140	6 x 6 = 36

UPRIGHT RACKS FOR 15 AND 50 mL TUBE BOXES

Thomas No.	Dimensions LxHxW (in)	Dimensions LxHxW (mm)	Capacity
1180Q44	18 1/4 x 10 3/16 x 5 7/8	464 x 259 x 149	3 x 2 = 6
1180Q45	24 3/16 x 10 3/16 x 5 7/8	617 x 259 x 149	4 x 2 = 8

CRYO.S™ TUBES WITH DATAMATRIX

Innovative, Efficient and Safe Sample Management

Cryo.s tubes are suitable for storage of cell cultures, tissue samples, microbiological samples, material of human or animal origin – such as blood and serum, antibodies, RNA, DNA and protein samples.

- Storage at -20°C, -80°C and in the vapor phase of LN²
- Ultra-pure medical grade, USP class VI certified polypropylene
- Certified DNase, RNase, human DNA and endotoxin free
- Customer-specific codes available on request

CRYO.S TUBES WITH DATAMATRIX

Thomas No.	Description	Unit
1187M98	1 mL Cryo.s w/ Datamatrix (Generic 2D Sequence), PP, Sterile, Internal Thread Natural Cap, ID Field, Starfoot Base, Conical Bottom, 150 White Cap Inserts/cs	500/cs
1187M97	2 mL Cryo.s w/ Datamatrix (Generic 2D Sequence), PP, Sterile, Internal Thread Natural Cap, ID Field, Starfoot Base, Round Bottom, 150 White Cap Inserts/cs	500/cs
1187M99	2 mL Cryo.s w/ Datamatrix (Generic 2D Sequence), PP, Sterile, External Thread Natural Cap, ID Field, Starfoot Base, Round Bottom, 150 White Cap Inserts/cs	500/cs
1187N00	4 mL Cryo.s w/ Datamatrix (Generic 2D Sequence), PP, Sterile, External Thread Natural Cap, ID Field, Starfoot Base, Round Bottom, 100 White Cap Inserts/cs	300/cs

DATAMATRIX RACKS

Thomas No.	Description	Unit
1185H30	Datamatrix Cryo Rack, 48-Place, for 1 & 2 mL Cryo.s, PP, Black w/Natural Low Lid	20/cs
1185H32	Datamatrix Cryo Rack, 48-Place, for 1, 2, 4 & 5 mL Cryo.s, PP, Black w/No Lid	20/cs
1148Y06	Datamatrix Cryo Rack, 81-Place, for 1 & 2 mL Cryo.s, PC, Black w/Natural Low Lid	10/cs



CRYOFREEZE® TUBES WITH CAPS

- Manufactured from ultra-pure polypropylene (pre-sterile)
- Internally or externally threaded tubes support all popular applications
- Contrasting black 100 µL graduations and white writing area
- Also available with round base
- Choose from 10 different color cap inserts

CRYOFREEZE TUBES WITH INTERNAL THREADED CAPS

Thomas No.	Description	Unit
1148F01	1.0 mL Internal Threaded Tubes, Stargrip Bottom	50/pk; 500/cs
1148F03	1.8 mL Internal Threaded Tubes, Stargrip Bottom	50/pk; 500/cs
1148F05	3.6 mL Internal Threaded Tubes, Stargrip Bottom	50/pk; 400/cs
1148F07	4.5 mL Internal Threaded Tubes, Stargrip Bottom	50/pk; 300/cs

CRYOFREEZE TUBES WITH EXTERNAL THREADED CAPS

Thomas No.	Description	Unit
1148F08	1.0 mL External Threaded Tubes, Stargrip Bottom	50/pk; 500/cs
1148F09	1.8 mL External Threaded Tubes, Stargrip Bottom	50/pk; 500/cs
1148F10	4.5 mL External Threaded Tubes, Stargrip Bottom	50/pk; 300/cs



1148***

CRYOFREEZE CAP INSERTS

Thomas No.	Description	Unit
1148***	Cap Inserts in Your Color of Choice	500/pk; 2,000/cs

*Caps are available in blue (D90), green (D91), orange (D92), red (D93), violet (D94), yellow (D95), brown (D96), assorted (D97), gray (D98), pink (D99) and white (F00). Add the code for the color at the end of the part number (i.e. 1148D90).

READY LABWARE SERVICES



As a trusted track and trace partner with a presence in healthcare—we understand the importance and complexity of your data, which is why we work with you to provide pre-marked labware suited to your needs.

Through **READY Labware Services** you receive your labware prepared with customized barcode sequences using marking technologies suited to your unique environment.

You can also choose to enhance your labware with custom features such as Color-coding, logos and graduation marks—and if you have any other custom marking needs, just ask!

One of the defining features of the **READY Labware Services** program is our 3 main labeling technologies: Pressure Sensitive, Direct Mark, and Ceramic. Each is designed to fit a different environment and budget.

FEATURES

Value-Based Pricing

This program is designed to support your lab by allowing you to focus on what matters most. We price from the ground up. By picking and choosing which program features to include it's assured you will only pay for what you need. Our goal is to help you optimize value and increase efficiency every step of the way.

Sequence Management Services

Sequence integrity is critical in the lab. All of your barcodes will be scanned by our proprietary vision system to ensure all barcodes received are usable.

Advanced Marking Technologies

One of the defining features of the **READY Labware Services** program is our 3 main labeling technologies: Pressure Sensitive, Direct Mark, and Ceramic. Each designed to fit a different environment and budget.

Sorting, Kitting & Packaging

Want your order organized or packaged in a specific way? Whether you need your pieces sorted sequentially or organized into individual kits, we'll make sure your order arrives at your lab ready to use.

Tare-weighing

Your measurements need to be precise, and even the smallest label can affect the weight of your labware. Our team can tare-weigh your labeled tubes with precision prior to packaging and provide you with a full report.

Controlled Production

Need to ensure your labware isn't contaminated with DNA/RNA? We have controlled production rooms where operators will prepare your order wearing protective gear in a hygienic environment to ensure your labware remains RNase/DNase-free. Certification is provided upon request.

MARKING TECHNOLOGIES

Pressure Sensitive

Made from a variety of label materials and adhesives, carefully chosen and constructed to meet your environmental and testing needs, pressure sensitive labels are designed to be both affordable and reliable.

Direct Mark

Specialized inks are cured directly onto the surface of glass or plastic labware, creating a durable bond. Direct Mark

technology is the most versatile option—easily supporting small 2D barcodes, color branding, and custom marks such as grad-lines.

Ceramic

Made from specialized clay, ceramic labels are fired directly onto the glass—creating a permanent bond between the barcode and container. Because of this, ceramic labels are the most durable option available and are ideally suited for high-value samples.



SUPERA FULFILLMENT KITTING SERVICE

Supera Fulfillment specializes in specimen management and test kit assembly. They provide products and services to a wide range of medical sectors including pharmacogenomics, molecular testing, and oncology.

Supera collaborates with a CLIA certified Lab to assure your product is contamination free down to the molecular level. Given sufficient time they can adapt to produce any volume you request.

Compliant with:

- cGMP procedures enforced by the FDA
- Minority Owned Small Business Certification
- Licensed Device Manufacturer by the Texas Department of State Health Services

Production Standards:

- Collaborating with CLIA Certified Lab
- ISO 7 Certified Cleanroom
- FDA Registered Certification

Supera strives towards flexibility and accuracy in all that what they do. Through these values, their customers can be assured of the highest quality tests and services.

Services Include:

- Test Kit Fulfillment
- Quality Control
- Bar Code Tracking
- Clean Room
- Transport Media
- Raw Materials
- Interactive Dashboard
- Inventory



STERIPACK'S SUPPORT FOR SARS-COV-2 DIAGNOSTICS

In light of peak demand for SARS-COV-2 diagnostic devices, SteriPack can provide support and offer available capacity and expertise in the following areas:

- for **PCR tests** – clean room molding of disposable custom-designed cartridges
- for **rapid diagnostic tests** – clean room molding, membrane die cutting, assembly, pouching, kitting and packing
- for **sample collection accessories** – molding, packaging and sterilization of accessories for kits

The growing number of chronic diseases along with the expanding geriatric population has led to a drive in research and development, increasing the trend in early disease detection and maturing the clinical diagnostic market. Despite the most popular devices belonging to the point of care (POC) category and the existence of pregnancy and glucose over-the-counter self-tests, the wide range of diagnostic devices including highly sophisticated DNA technology. This category includes reagents, calibrators, control materials, kits, software and related instruments.

Whilst outsourcing in the diagnostic devices market ranges from laboratory product development through to accompanied pharmaceutical R&D, SteriPack assists in the whole processes, starting from device design for manufacturing assessment and packaging development all the way to market delivery. SteriPack's expansive regulatory and industry experience and established processes helps to ensure smooth transitions to meet challenges and needs.

Contract services summary for diagnostic industry:

- Contract design and development
- Process integration, validation and testing
- Supply chain management
- Injection molding
- 3D printing / additive manufacturing
- Die cutting
- Assembly
- US welding
- Packaging and kitting
- Sterilization management (Gamma, E-beam, EO, X-ray)

SteriPack's contract services are designed to support Customers at every stage of product development. Both regulatory and industry experience helps to proceed smoothly through all requirements and needs.

Meet the New GLS1 Smart Liquid Handler

GenieAlign

- Autocalibration
- Wear detection
- Drift compensation

GenieSense

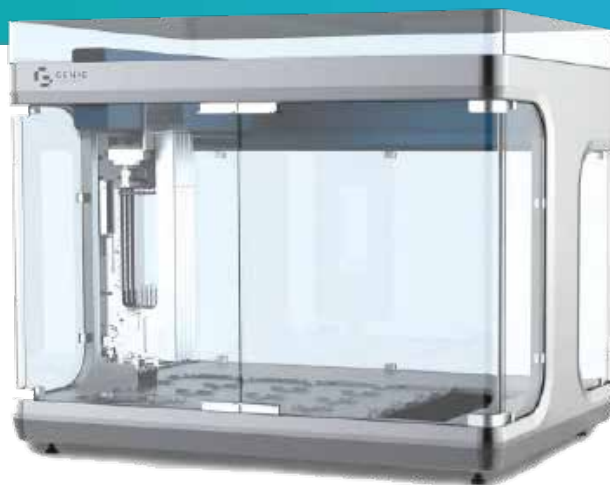
- Closed loop processing
- Pressure sensing
- Automatic liquid class detection

GenieVision

- Advanced imaging sensors
- Deck scanning
- Sample ID

GenieDetect

- Collision detection & avoidance



Convenient. Reliable. Connected.

Software Stack

Genie Protocol Designer

An intuitive Cloud-based UI to build reusable liquid handler protocols from anywhere.

- Instrument agnostic
- Quickly build assays/applications
- Generate bill of materials and time estimates
- Easily simulate, run and validate protocols
- Autoconfiguration of settings

Genie Systems Manager

Step-by-step orchestration and execution of protocols with the ability to pause jobs, resolve errors and interject "stat" samples.

- Automate and run your workflows reliably across multiple instruments
- Easily move data across instruments with complete visibility into sample

Genie Open API

Quickly and seamlessly integrate with other instruments/accessories.

- Easily integrate other LIMS applications to optimize testing and operations

Applications

Genie has an ever-growing library of published protocols.

Sample Prep

- Normalization
- Sample Reformatting
- Plate Stamping
- Cherry Picking
- Serial Dilution
- Pooling
- Aliquoting

Proteomics

- Pierce BCA Protein Assay
- ELISA
- MembraneMax Protein Synthesis
- TRI Reagent Protein Isolation

PCR

- COVID-19 qPCR
- PCR Master Mix Preparation
- PCR Sample Preparation

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