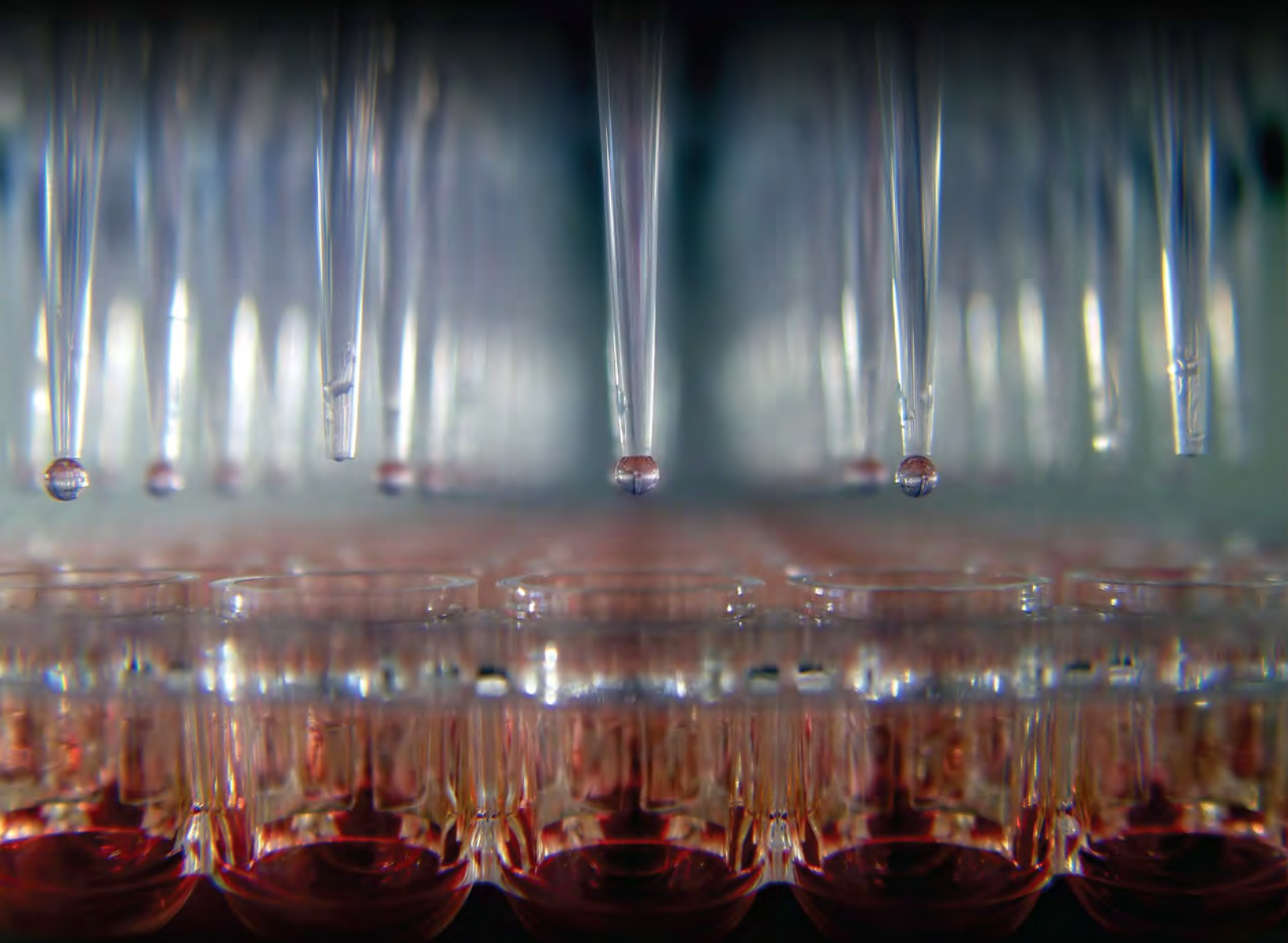


# AUTOMATION + GENOMICS

## 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

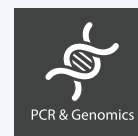
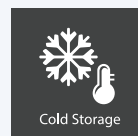
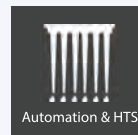
Thomas Bio Solutions is process-driven rather than catalog-driven. We talk with scientists to discover the best technical solutions for our customers' needs. We are always bringing in new products that provide innovative solutions that can help our customers streamline their productivity, allowing them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



- AlphaGem Bio
- ArcticZymes
- EMP Biotech
- Genie Life Science
- Innovative Laboratory Products
- MagGenome
- Mawi
- Molecular Designs
- NEST Scientific USA
- Proteintech

## 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

**Web:** ThomasSci.com

**Mail:** 1654 High Hill Rd.  
Swedesboro, NJ  
08085

**Email:** CustomerService@ThomasSci.com

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## 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 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



*We're proud to partner with Nugget Scientific, a market-leading provider of Hamilton liquid handler service & repair.*

Our team of certified technicians have decades of experience complex with liquid handlers. We routinely perform IQ, OQ, preventative maintenance, and general repairs, as well as complex field upgrades.

*Maintain your system's performance and life expectancy with Thomas Scientific!*

### What else can we help with?

- Application Development
- Field Verification Services
- Field Hardware Upgrades
- Microlab Logistics Support
- Key Automation Staffing

Contact your Thomas Scientific Sales Representative to learn more.

**ThomasSci.com**

833.544.SHIP (7447)

CustomerService@thomassci.com

# RHINOSTICS



22A00C406 - 96-Well Rack

## RHINOSTIC™ AUTOMATED NASAL SWAB (SWAB WITH UV-ETCHED TUBE)

The RHINOstic Automated Nasal Swab with UV-etched tube format is ideal for laboratories that seek the convenience of pre-labeled tubes. They are packaged as swabs and clear transport tubes, sterilized in individual sets. The tube is imprinted with a 2D barcode for rapid, hands-free accessioning, a serialized 12-digit 1D barcode for redundancy, and visual numbering for manual verification.

- Ideal for any nasal or buccal sampling needs, including genetic testing, respiratory panels, COVID-19, and other respiratory pathogen tests.
- Up to 96 RHINOstic tubes may be accessioned and decapped or recapped at once using an automated decapper.
- Automation friendly cap interfaces with decapping robot to facilitate rapid, hands-free workflows.
- Internal cap threads ensure that the collection device is securely attached to the transport tube.
- Dry transport eliminates risks of liquid spills and contamination and also eliminates the need for concentration steps.

### RHINOSTIC™ AUTOMATED NASAL SWAB

Thomas No.	Description	Unit
22A00C399	RHINOstic™ Automated Swab Kit, Clear, Unmarked Capped Tube	2016/cs
22A00C400	RHINOstic™ Automated Swab Kit, Clear Uncapped 1D/2D/Visible Barcoded Tube	2000/cs
22A00C401	RHINOstic™ Automated Swab Kit, Black Uncapped 1D/2D/Visible Barcoded Tube	2000/cs

# COPAN



## 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

## iSWAB™ SAMPLE COLLECTION SYSTEMS

iSWAB Microbiome 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.

- Non-toxic stabilization; no organic, hazardous solvent fixatives or detergents
- Microbial presentation maintained intact from time of collection for weeks at room temperature (real time testing ongoing)
- No bloom effect correction needed for microbiome data. Both aerobic and anaerobic bacterial communities stabilized from collection to processing



### MAWI™ iSWAB™ SAMPLE COLLECTION KITS

Thomas No.	Description	Unit
21A00P928	iSWAB Microbiome Collection Tube, 1.0 mL	500 bgs; 2 bgs/pk
21A00Q239	iSWAB RNA Collection Kit v2, 1.0 mL	50/pk
21A00Q217	iSWAB Blood Collection Kit, 600 µL	Each
21A00Q227	iSWAB Discovery Human DNA Collection Kit, 400 µL	Each
21A00Q235	iSWAB Microbiome-EL Standard Collection Tube, 800 µL	500/pk
20A00U030	NextSwab, Oral Swab, Sterile, 1/Sleeve	96/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



## AGILENT®-STYLE ROBOTIC TIPS

Compatible with Agilent & Velocity11 VPrep®, Bravo & MGI Tech MGISP Automation Systems

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 Axygen 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
20A00K678	250 µL 96-Format, Maxymum Recovery®, Racked	96/rk; 50 rks/cs
20A00K677	250 µL 96-Format, Maxymum Recovery®, Racked, Sterile	96/rk; 50 rks/cs
20A00K676	200 µL 96-Format, Maxymum Recovery®, Filtered, Racked, Sterile	96/rk; 50 rks/cs
20A00K679	250 µL 96-Format, Racked	96/rk; 50 rks/cs
20A00K681	250 µL 96-Format, Racked, Sterile	96/rk; 50 rks/cs
20A00K680	200 µL 96-Format, Filtered, Racked, Sterile	96/rk; 50 rks/cs



1222A42



1222A65



20A00K679



1222A57



1222A53



1222A67

\*Not to scale

### 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



## 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



A Corning Brand

### 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

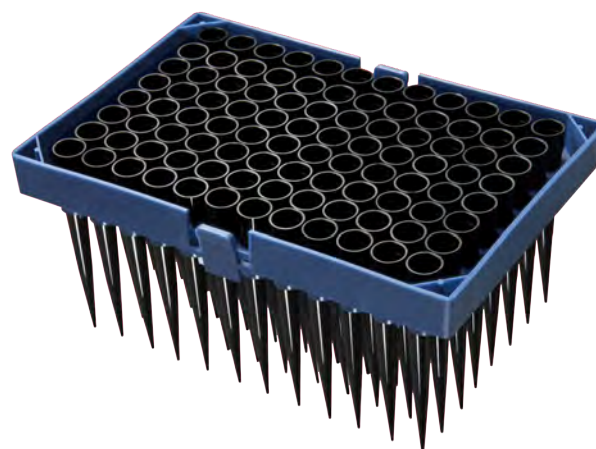
Thomas No.	Description	Unit
1209A54	300 µL Hamilton CO-RE-Style Tip, 96-Format, Racked	96/rk, 24 rks/cs
1208N85	300 µL Hamilton CO-RE-Style Tip, 96-Format, Racked, Sterile	96/rk, 24 rks/cs
1208N86	300 µL Hamilton CO-RE-Style Tip, 96-Format, Racked, Filtered, Sterile	96/rk, 24 rks/cs

### 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



\*Not to scale



1208N85

## 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



\*Not to scale



## BECKMAN COULTER COMPATIBLE SBS FORMAT TIPS

- Manufactured in USA using latest manufacturing techniques and automation systems Recovery surface
- Available with and without filter
- Compatible heads: AP-96, MP20, MP200
- Tip Volume size: 20  $\mu$ L, 50  $\mu$ L, 250  $\mu$ L - available with and without filter

### 96-TIPS CLEAR PIPET TIPS

Thomas No.	Description	Unit
21A00G515	20 $\mu$ L Clear Pipet Tips	10 rks/pk; 5 pks/cs
22A00F012	20 $\mu$ L Clear Filtered Sterile Pipet Tips	10 rks/pk; 5 pks/cs
22A00F011	50 $\mu$ L Clear Pipet Tips	10 rks/pk; 5 pks/cs
22A00C439	30 $\mu$ L Clear Filtered Sterile Pipet Tips	10 rks/pk; 5 pks/cs
21A00G517	250 $\mu$ L Clear Pipet Tips	10 rks/pk; 5 pks/cs
22A00F013	165 $\mu$ L Clear Filtered Sterile Pipet Tips	10 rks/pk; 5 pks/cs



## BECKMAN 384 STYLE ROBOTIC TIPS

Compatible with Beckman Biomek® FX, NX, AP-384 Head and Hamilton® 384 Head

Thomas No.	Description	Unit
1223S61	30 $\mu$ L Tips, Clear Maxymum Recovery, Non-Sterile	50 rks/cs
1223S63	30 $\mu$ L Tips, Clear, Non-Filtered, Non-Sterile	50 rks/cs
1223S64	30 $\mu$ L Tips, Clear, Non-Filtered, Sterile	50 rks/cs
1223S80	30 $\mu$ L Tips, Pre-Sterilized Maximum Recovery, Clear, Filtered, FX Robotics System	50 rks/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 $\mu$ L, BLUE RACK

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

### 50 $\mu$ L, ORANGE RACK

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

### 250 $\mu$ L, GREEN RACK

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

### 30 $\mu$ L, WHITE RACK

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

## TECAN MCA 96 STYLE ROBOTIC TIPS

Compatible with PE, Tecan MCA 96 , Sciclone, Zephyr G3

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.



### TECAN MCA COMPATIBLE TIPS

Thomas No.	Description	Unit
22A00D857	50 µL Tip, 96-Format, Clear	10 rks/pk; 5 pks/cs
22A00D858	50 µL Tip, 96-Format, Clear, Sterile	10 rks/pk; 5 pks/cs
22A00D862	50 µL Tip, 96-Format, Clear, Filtered, Sterile	10 rks/pk; 5 pks/cs
22A00D863	100 µL Tip, 96-Format, Clear	10 rks/pk; 5 pks/cs
22A00D864	100 µL Tip, 96-Format, Clear, Sterile	10 rks/pk; 5 pks/cs
22A00D866	100 µL Tip, 96-Format, Clear, Filtered, Sterile	10 rks/pk; 5 pks/cs
22A00D867	200 µL Tip, 384-Format, Clear	10 rks/pk; 5 pks/cs
22A00D868	200 µL Tip, 96-Format, Clear, Sterile	10 rks/pk; 5 pks/cs
22A00D872	200 µL Tip, 96-Format, Clear, Filtered, Sterile	10 rks/pk; 5 pks/cs

### Nested MCA 96 disposable Tip Options – 6 Nested Racks per Stack

22A00D859	50 µL Tip, 96 Nested Rack Format, Clear	6 rks/stack; 5 stacks/cs
22A00D860	50 µL Tip, 96 Nested Rack Format, Clear, Sterile	6 rks/stack; 5 stacks/cs
22A00D869	200 µL Tip, 96 Nested Rack Format, Clear	6 rks/stack; 5 stacks/cs
22A00D870	200 µL Tip, 96 Nested Rack Format, Clear, Sterile	6 rks/stack; 5 stacks/cs



## TECAN STYLE ROBOTIC TIPS

Compatible with TECAN D. Devices, Oasis, SciClone & Zepyr G3

Thomas No.	Description	Unit
22A00D840	50 µL, Clear Automation Tips, Racked, 96 Tips/Rack	10 rks/unit; 5 units/cs
22A00D841	100 µL, Clear Automation Tips, Racked, 96 Tips/Rack	10 rks/unit; 5 units/cs
22A00D842	200 µL, Clear Automation Tips, Racked, 96 Tips/Rack	10 rks/unit; 5 units/cs
22A00D843	50 µL, Clear Filtered Sterile Tips, Racked, 96 Tips/Rack	10 rks/unit; 5 units/cs
22A00D844	90 µL, Clear Filtered Sterile Automation Tips, Racked, 96 Tips/Rack	10 rks/unit; 5 units/cs
22A00D845	160 µL, Clear Filtered Sterile Automation Tips, Racked, 96 Tips/Rack	10 rks/unit; 5 units/cs



Compatible with PerkinElmer, Janus®, Evolution™ P3, MiniTrak™, PlateTrak™

Thomas No.	Description	Unit
1223V54	30 µL, Clear, Non-Filtered, Nonsterile	19,200/cs
1223V67	30 µL, Clear, Filtered, Sterile	19,200/cs



1223V54

## ZYMARK PERKIN ELMER RAPIDPLATE SCICLONE COMPATIBLE TIPS

### CLEAR FILTERED AUTOMATION TIPS

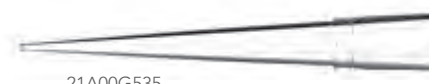
Thomas No.	Description	Unit
21A00G531	50 µL Tip, 96-Format, Clear, Filtered	10 rks/pk; 5 pks/cs
21A00G533	100 µL Tip, 96-Format, Clear, Filtered	10 rks/pk; 5 pks/cs
21A00G535	200 µL Tip, 96-Format, Clear, Filtered	10 rks/pk; 5 pks/cs



21A00G531



21A00G533



21A00G535

### 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



## TECAN® STYLE ROBOTIC TIPS HANGING TIP RACK, BLACK CONDUCTIVE

Compatible with Tecan, Genesis Freedom®, Freedom EVO®, Miniprep with LiHa

- These tips can be used for research and development and other commonly used applications with needs of high-throughput pipetting in genomics, proteomics, cytomics, immunoassays, metabolomics, biopharmaceuticals
- Tecan automation tips may be used with the TECAN Freedom EVOlyzers and fully automatic sampling systems

Thomas No.	Description	Unit
21A00B338	50 µL Conductive Tips, Pre-sterilized	96*2 blister/pk; 2304/cs
21A00B339	50 µL Conductive Filter Tips, Pre-sterilized	96*2 blister/pk; 2304/cs
21A00B340	200 µL Conductive Tips, Pre-sterilized	96*2 blister/pk; 2304/cs
21A00B341	200 µL Conductive Filter Tips, Pre-sterilized	96*2 blister/pk; 2304/cs
21A00B342	1000 µL Conductive Tips, Pre-sterilized	96*2 blister/pk; 2304/cs
20A00M184	1000 µL Conductive Filter Tips, Pre-sterilized	96*2 blister/pk; 2304/cs

## INTEGRA COMPATIBLE AUTOMATION GRIPTIPS®

Precise and consistent tip seal ensures that all tips on MINI 96 are at an identical height for reliable touch offs and consistent pipetting results. An additional tip straightness inspection process ensures all pipette tips access wells even when dispensing to a 384 well plate.

Thomas No.	Description	Unit
23A00X433	Integra 12.5 µl clear filtered tips	19200/cs
23A00X435	Integra 12.5 µl clear filtered tips, sterile	19200/cs
23A00X434	Integra 12.5 µl clear tips,	19200/cs
23A00Y304	Integra 12.5 µl clear tips, sterile	19200/cs
23A00Y305	Integra 125 µl clear filtered tips	19200/cs
23A00Y306	Integra 125 µl clear tips	19200/cs
23A00Y307	Integra 125 µl clear filtered tips, sterile,	19200/cs
23A00Y308	Integra 125 µl clear tips, sterile	19200/cs
23A00Y309	Integra 300 µl clear filtered tips	4800/cs
23A00Y310	Integra 300 µl clear tips,	4800/cs
23A00Y311	Integra 300 µl clear filtered tips, sterile,	4800/cs
23A00Y312	Integra 300 µl clear tips, sterile	4800/cs
23A00Y313	Integra 1250 µl clear filtered tips	4800/cs
23A00Y314	Integra 1250 µl clear tips	4800/cs
23A00Y315	Integra 1250 µl clear filtered tips, sterile	4800/cs
23A00Y316	Integra 1250 µl clear tips, sterile	4800/cs



## SEQUENCE BENCHTOP PIPETTORS

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

Thomas No.	Description	Unit
1144A63	Precision Series Pipettor Plus, 300 µL Pipetting Head Model	1/ea
1144A64	Precision Series Pipettor Plus, 35 µL 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

## SHARP ELITE™ LTS® - COMPATIBLE PIPETTE TIPS

**labForce**<sup>®</sup>  
powered by Thomas Scientific

Compatible with Rainin® single- and multi-channel  
LiteTouch® pipettors

- Available in racked, sterile, filtered sterile and reload varieties
- Made in the USA from medical-grade virgin polypropylene
- Certified free of RNase, DNase, DNA, PCR-inhibitors, and tested pyrogen-free



### LTS COMPATIBLE PIPETTE TIPS

Thomas No.	Description	Unit
23A00V212	20 µL Rainin® style pipette tips, Reloads	960/pk; 9600/cs
23A00V213	20 µL Rainin® style pipette tips, Reloads, Sterile	960/pk; 9600/cs
23A00V214	20 µL Rainin® style pipette tips, Racked	960/pk; 4800/cs
23A00V215	20 µL Rainin® style pipette tips, Racked, Sterile	960/pk; 4800/cs
23A00V216	20 µL Rainin® style barrier pipette tip, Racked, Sterile	960/pk; 4800/cs
23A00V217	200 µL Rainin® style pipette tips, Reloads	960/pk; 9600/cs
23A00V218	200 µL Rainin® style pipette tips, Reloads, Sterile	960/pk; 9600/cs
23A00V219	200 µL Rainin® style pipette tips, Racked	960/pk; 4800/cs
23A00V220	200 µL Rainin® style pipette tips, Racked, Sterile	960/pk; 4800/cs
23A00V221	200 µL Rainin® style barrier pipette tips, Racked, Sterile	960/pk; 4800/cs
23A00V222	300 µL Rainin® style pipette tips, Reloads	960/pk; 9600/cs
23A00V223	300 µL Rainin® style pipette tips, Reloads, Sterile	960/pk; 9600/cs
23A00V224	300 µL Rainin® style pipette tips, Racked	960/pk; 4800/cs
23A00V225	300 µL Rainin® style pipette tips, Racked, Sterile	960/pk; 4800/cs
23A00V226	300 µL Rainin® style barrier pipette tips, Racked, Sterile	960/pk; 4800/cs
23A00V227	1000 µL XL Rainin® style pipette tips, Reloads	768/pk; 3840/cs
23A00V228	1000 µL XL Rainin® style pipette tips, Reloads, Sterile	768/pk; 3840/cs
23A00V229	1000 µL XL Rainin® style pipette tips, Racked	960/pk; 3840/cs
23A00V230	1000 µL XL Rainin® style pipette tips, Racked, Sterile	960/pk; 3840/cs
23A00V231	1000 µL XL Rainin® style barrier pipette tips, Racked, Sterile	960/pk; 3840/cs

## 24, 48, AND 96-WELL DEEP WELL PLATES

Nest Deepwell Plates are made from virgin polypropylene,  
and certified Dnase/Rnase and pyrogen free

- Unique plate bottom and raised rim design, ideal for magnetic bead based nucleic acid extraction and other applications  
Temperature range: -80°C to 120°C
- Available at 24 well, 48 well, 96 well format; U-bottom or V-bottom, Square well or Round well

Thomas No.	Description	Unit
22A00F943	10.4 mL 24-well Deep Well Plate, U-Bottom, Square well, Sterile	5/pk; 50/cs
22A00F936	16 mL 24-Well Deep Well Plates, V-Bottom, Square Well, Sterile	1/pk; 25/cs
1193A45	0.5 mL 96-Well Deep Well Plate, V-Bottom, Round well, Sterile	5/pk; 50/cs
1162C10	1.0 mL 96-Well Deep Well Plate, U-Bottom, Square Well, Sterile	5/pk; 50/cs
1162C11	1.6 mL 96-Well Deep Well Plate, U-Bottom, Square Well, Sterile	5/pk; 50/cs
1162C12	2.2 mL 96-Well Deep Well Plate, U-Bottom, Square Well, Sterile	5/pk; 50/cs
1193A47	2.2 mL 96-Well Deep Well Plate, V-Bottom, Square well, Sterile	5/pk; 50/cs
22A00F932	2.2 mL 96-Well Deep Well Plate, I-Shaped, U-Bottom, Square Well, Sterile	5/pk; 50/cs

**NEST**<sup>®</sup>  
Nest Scientific USA Inc.





**Agilent**

## 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.



1149Q22



1149Q20



1149Q23



1149Q29



1149J12

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

### 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

## ALPHAGEM BIO V BOTTOM 250ML RESERVOIRS

250 mL 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

Thomas No.	Description	Unit
22A00D877	250 mL Open Reservoir, V-Bottom, Clear	1/pk; 25/cs
22A00D878	250 mL Open Reservoir, V-Bottom, Clear, Sterile	1/pk; 25/cs

22A00D877



## 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

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	1/slv; 20/pk
20A00G708	Reagent Reservoir, Polypropylene, High Recovery, Low Dead Volume, Sterile	5/slv; 100/cs

20A00D902



## SCILUTIONS Innovative Laboratory Consumables

## ILP 96 ROUND WELL ASSAY PLATES

96-well assay plates with lid are ideal for a wide variety of assays. ANSI/SLAS 2004-1 (SBS) compliant footprint. Assay plates are tested on a lot-to-lot basis to be RNase, DNase, and pyrogen free.

Thomas No.	Description	Unit
23A00U153	Assay Plates (PS), 96 Round Well Flat-Bottom, Black, 14.10mm Height, 200 µL, Sterile Ind. Wrapped w/Lid	100/cs
23A00U154	Assay Plates (PS), 96 Round Well Flat-Bottom, Natural, 14.10mm Height, 200 µL, Sterile Ind. Wrapped w/Lid	100/cs
23A00U155	Assay Plates (PS), 96 Round Well Flat-Bottom, White, 14.10mm Height, 200 µL, Sterile Ind. Wrapped w/Lid	100/cs

23A00U153



## ILP ASSAY PLATES, U-SHAPED BOTTOM

This low height plate is ideal for assay work, magnetic beads, and maximizing sample storage. The unique open bottom design offers more area for magnetic beads, while larger diameter wells improve sample access and mixing.

Thomas No.	Description	Unit
1149K80	300 µL 96-Round Well, U-Bottom, Natural	100/cs
1149K81	250 µL 96-Round Well, U-Bottom, Natural - Sterile	100/cs
1149K82	300 µL 96-Well Plate, Clear, Round Well, U-Bottom, Individually Wrapped - Sterile	25/cs
1149J36	500 µL 96-Well Plate, Clear, Round Well, U-Bottom	100/cs
1149J38	500 µL 96-Well Plate, Clear, Round Well, U-Bottom, Sterile	100/cs
21A00F745	300 µL 96-rd well, U-bot, Glass Coated, Nat	10/cs
21A00F746	300 µL 96-rd well, U-bot, Glass Coated, Nat	100/cs
21A00F747	500 µL 96-well plt, rd well, U-bot, Glass Coated, Nat	10/cs
21A00F748	500 µL 96-well plt, rd well, U-bot, Glass Coated, Nat	100/cs

1149K80





## 96 AND 384-WELL CELL CULTURE PLATES

NEST cell culture plates are designed for better handling and performance. Low profile, low-evaporation lid design assures uniform growth. Tissue Culture treated (TC) and Pre-sterilized versions are both available.

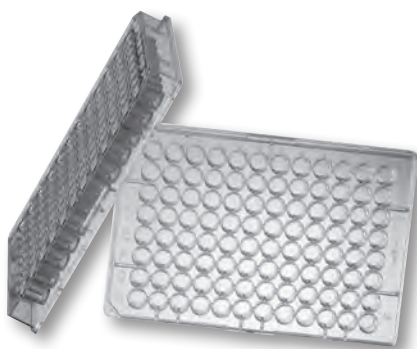
- Sterilized by E-Beam, SAL = 10<sup>-6</sup>
- High Clarity, 100% Virgin Polystyrene
- Non-Pyrogenic, DNase/RNase Free

### 96 AND 384-WELL CELL CULTURE PLATES

Thomas No.	Description	Unit
1194Y93	96-Well Cell Culture Plate, Flat, Sterile	1/pk; 100/cs
1194Y94	96-Well Cell Culture Plate, U-bottom, Sterile	1/pk; 100/cs
1194Y95	96-Well Cell Culture Plate, V-bottom, Sterile	1/pk; 100/cs
1194Y85	96-Well Cell Culture Plate, Flat, TC, Sterile, Bulk	10/pk; 100/cs
21A00G255	96-Well Low Evap EDGE Plate, Flat Bottom, TC, Sterile	1/pk; 100/cs
1194Y88	384-Well Cell Culture Plate, Clear, Flat Bottom, TC, Sterile	1/pk; 100/cs
1194Y96	384-Well Cell Culture Plate, Clear, Flat Bottom, Sterile	1/pk; 100/cs
22A00A539	384-Well Cell Culture Plate, Black, Flat Bottom, TC, Sterile	1/pk; 100/cs
22A00D664	384-Well Cell Culture Plate, White, Flat Bottom, TC, Sterile	1/pk; 100/cs



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1184J50  
1184P86

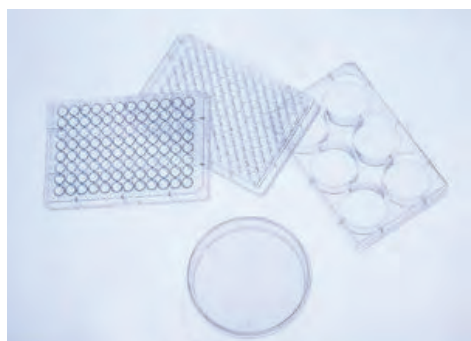
## ADVANCED TC™ MICROPLATES

An Innovative Product for the Cultivation of Fastidious Cells

- 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



## CELLSTAR® PLATES WITH CELL-REPELLENT SURFACE

3D Cell Culture Solutions

Thomas No.	Description	Unit
1182M22	6W Cell-Repellent Surface Plate, PS, Sterile, Flat Bottom, Clear, w/Lid	5/cs
1182M23	24W Cell-Repellent Surface Plate, PS, Sterile, Flat Bottom, Clear, w/Lid	5/cs
1182M24	48W Cell-Repellent Surface Plate, PS, Sterile, Flat Bottom, Clear, w/Lid	5/cs
1184J56	96W Cell-Repellent Plate, PS, Sterile, Round (U) Bottom, Clear, w/Lid	6/cs
1184J57	96W Cell-Repellent Plate, PS, Sterile, Flat Bottom, Chimney Style, Clear, w/Lid	6/cs
1149M01	96W Cell Repellent Plate, PS, Sterile, Conical (V) Bottom, Clear, w/Lid	6/cs
1149M08	96W Cell-Repellent Plate, PS, Sterile, Flat Bottom, Black µClear, w/Lid	32/cs
1144C67	96W Cell-Repellent Plate, PS, Sterile, Flat Bottom, Black µClear, w/Lid, Single Packed	32/cs
1184P74	384W Cell-Repellent Plate, PS, Sterile, Flat Bottom, Clear, w/Lid	60/cs
1149M35	384W Cell-Repellent Plate, PS, Sterile, Flat Bottom, Black µClear, w/Lid	32/cs





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## 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

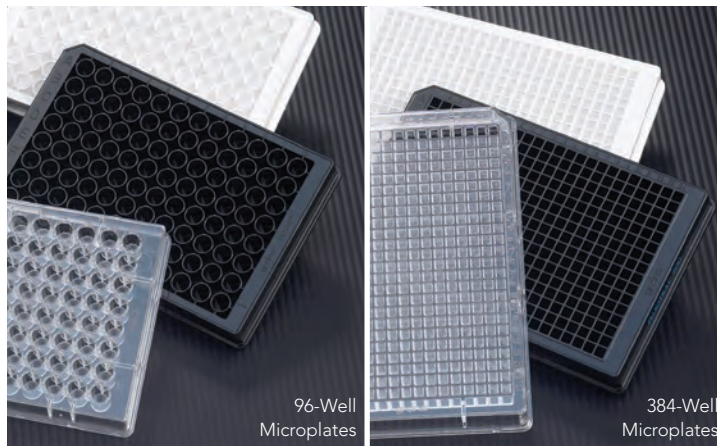
- White and black plates are designed to reduce well-to-well cross-talk during fluorescent/luminescent assays
- µClear® microplates feature a clear film bottom

### 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  
Microplates384-Well  
MicroplatesµClear® Bottom  
Microplates

### 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



## 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 µL to 15 mL/well) are also available.

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



1149P95

### 24-WELL FILTER PLATES

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



1149Q63

### 48-WELL FILTER PLATES

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



1149Q49

### 96-WELL SMALL VOLUME FILTER PLATES

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



1149Q09

### 96-WELL LARGE VOLUME FILTER PLATES

Thomas No.	Description	Unit
1149J16	96-Well Half-Skirt Plate w/ 4 x 0.7 µm Glass Fiber Membrane, 1 mL/well, Long Drip w/Turbine	35/cs
1149Q49	96-Well Half-Skirt Plate w/ 25 µm 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 µm PP Membrane, 2 mL/well, Long Drip	25/cs
1149P54	96-Well Filter Plate w/ 25 µm PE Frit, 2 mL/well, Long Drip	25/cs

### 384-WELL FILTER PLATES

Thomas No.	Description	Unit
1149Q06	384-Well Filter Plate with 0.7 µm Glass Fiber Membrane, 140 µL/well, Long Drip	10/cs
1149Q05	384-Well Filter Plate with 1.2 µm Glass Fiber Membrane, 140 µL/well, Long Drip	10/cs
1149Q08	384-Well Filter Plate w/ 5.0 µm Glass Fiber Membrane, 140 µL/well, Long Drip	10/cs
1149Q09	384-Well Filter Plate w/ 25 µm PE Frit, 140 µL/well, Long Drip	10/cs

## CORNING® 96/384-WELL MICROPLATES

# CORNING

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

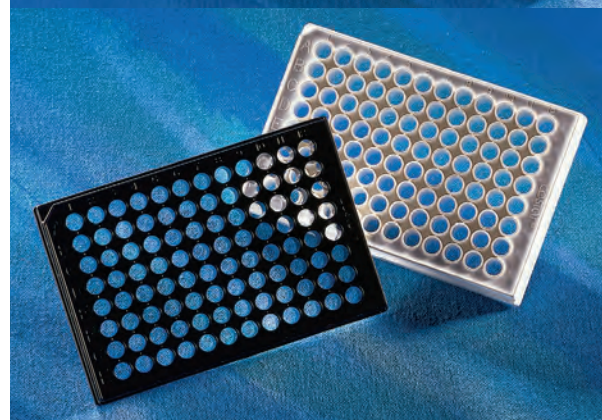
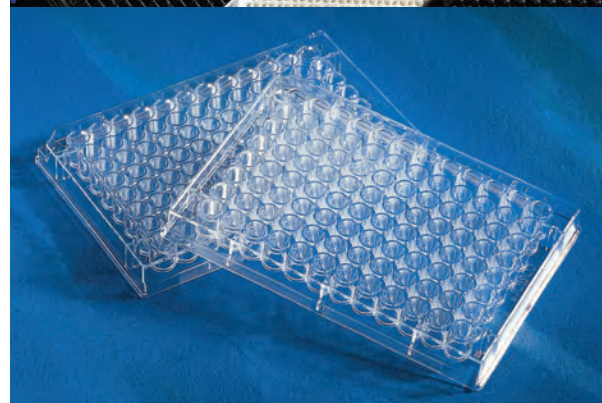
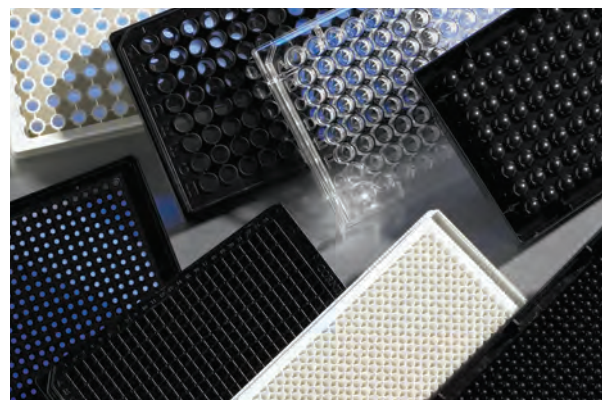
- Designed to reduce well-to-well cross-talk during fluorescent and luminescent assays

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

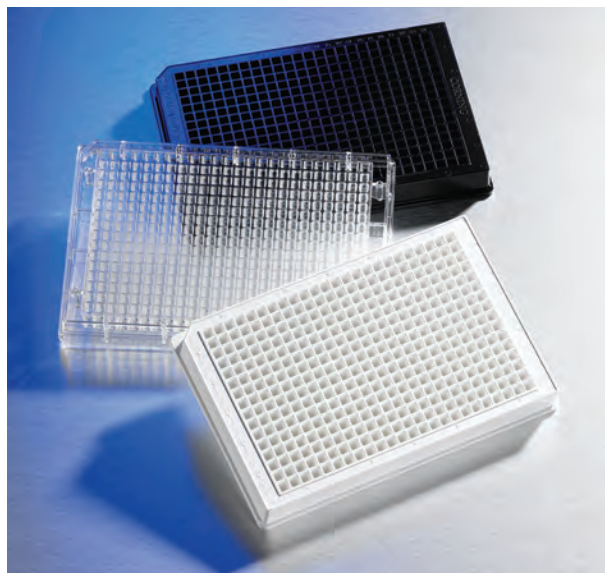
### 96-WELL CLEAR BOTTOM BLACK/WHITE POLYSTYRENE MICROPLATES

- 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



## CORNING



## 384-WELL CLEAR POLYSTYRENE MICROPLATES

- Total well volume of 112  $\mu\text{L}$  – working well volume of 20  $\mu\text{L}$  to 80  $\mu\text{L}$
- 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 <sup>®</sup> 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<sup>®</sup> 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

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

## 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



1167W15

### 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

Cyclo-Olefin Olymer (COP), UV Transparent

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
1167W37	384 Well Black, Cyclo-Olefin Polymer, Optically Clear, 200µm	32/cs



1167W11

1167W07

## 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
- Very low autofluorescence
- Biocompatible adhesive
- Manufactured to ANSI/SLAS specification

### 384-WELL BLACK GLASS BOTTOM IMAGING PLATES WITH LID

Thomas No.	Description	Unit
1167W25	24-Well Black Glass Bottomed Imaging Plates with Lid	1/slv; 10/cs
1167W26	24-Well Black Glass Bottomed Imaging Plates with Lid, Sterile	1/slv; 10/cs
1167W29	96-Well Black Glass Bottomed Imaging Plates with Lid	1/slv; 10/cs
1167W30	96-Well Black Glass Bottomed Imaging Plates with Lid, Sterile	1/slv; 10/cs
1167W31	96-Well White Glass Bottomed Imaging Plates with Lid	1/slv; 10/cs
1167W32	96-Well White Glass Bottomed Imaging Plates with Lid, Sterile	1/slv; 10/cs
1167W33	384-Well Black Glass Bottomed Imaging Plates with Lid	1/slv; 10/cs
1167W34	384-Well Black Glass Bottomed Imaging Plates with Lid, Sterile	1/slv; 10/cs
1167W35	384-Well White Glass Bottomed Imaging Plates with Lid	1/slv; 10/cs
1167W36	384-Well White Glass Bottomed Imaging Plates with Lid	1/slv; 10/cs



1167W33



1149B37



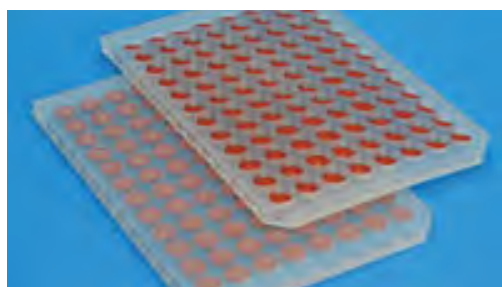
1169J94



1169J88



1180V97



1180V99

## 96 GLASS VIAL MULTI-TIER PLATE

Multi-Tier™ Micro Plates (Topas) are manufactured in Topas (COC - Cyclic Olefin Copolymers) have excellent clarity and heat/chemical resistance. The plates can be autoclaved and sterilized, are heat resistant to 150 degrees C, and are UV transparent down to 300nm.

### 96-WELL GLASS VIAL MULTI-TIER™ MICRO PLATE - TOPAS

Thomas No.	Description	Unit
1149B37	0.5 mL Topas Plate, with Glass Conical Vials Only	1/ea
1149B39	0.5 mL MTP System Topas Plate, with Glass 9 x 17 mm Flat Bottom Vials Only	1/ea
1149B42	1.0 mL MTP System Topas Plate with Glass 9 x 30 mm Conical Vials Only	1/ea
1149B44	1.0 mL MTP System Topas Plate with Glass Flat Bottom Only	1/ea
1149B46	1.5 mL MTP System Topas Plate with Glass 9 x 44 mm Conical Vials Only	1/ea
1149B48	1.5 mL MTP System Topas Plate with Glass 9 x 44 mm Flat Bottom Vials Only	1/ea
1149B50	1.5 mL MTP System Topas Plate with Polypropylene 9 x 44 mm Conical Vials Only	1/ea
1149B52	2.0 mL MTP System Topas Plate with Glass 9 x 50 mm Conical Vials Only	1/ea

## 96-WELL DEEP ROUND AND SQUARE PLATES

- DNase/RNase Free

Designed to make the interchange of plates simpler in automated systems. V-bottom allows total liquid removal, partial collection and aids in re-suspension. Conical base aids sample concentration, reconstitution and centrifugation. The raised well rims help improve heat sealing. No inner edges allows for better collection of magnetic beads.

### 96-WELL DEEP ROUND AND SQUARE PLATES

Thomas No.	Description	Unit
20A00L698	0.5 mL/Well, 27mm High, V-Bottom, Raised Rim	80/cs
20A00L699	0.5 mL/Well, 27mm High, V-Bottom, Raised Rim, Sterile	80/cs
1169J88	350 µL/Well, Square Well, V-Bottom	5/pk; 50/cs
1169J89	2 mL/Well, Square Well, Pyramid Bottom	5/pk; 50/cs
1169J94	1 mL/Well, Polypropylene, Round Well, Raised Rim, DNase/RNase Free	5/pk; 50/cs
1169J95	1 mL/Well, Round Well, Raised Rim, Round Bottom	5/pk; 50/cs
1169J90	22 mL Square Well Toughened Genomics Plate, Round Bottom	5/pk; 50/cs

\* Also available in certified sterile

## 96-WELL POLYPROPYLENE PLATES AND GLASS INSERTS

### 96-Well Plate with Glass Inserts Designed for High Throughput Chromatography

Glass Inserts loaded in the 96-well plate performs similar to standard 12 x 32 mm vials for Chromatography testing. Compatible with autosamplers and robotic systems.

### 96-WELL POLYPROPYLENE PLATES AND GLASS INSERTS

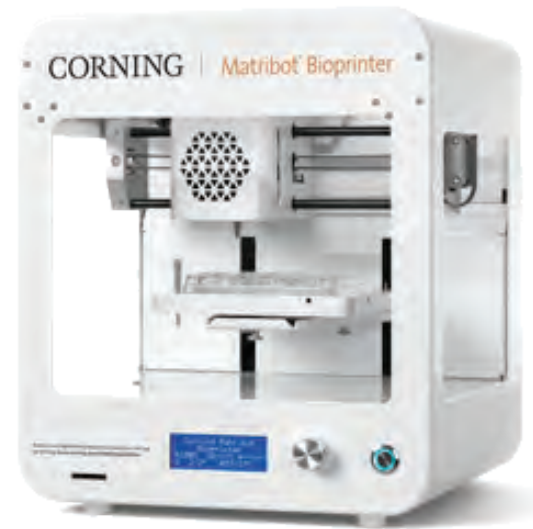
Thomas No.	Description	Unit
1180V97	96-Well Plate [20A00L698] Assembled with 350 µL Glass Conical Pulled Point Inserts with Flange	1/ea
1180V94	350 µL Glass Conical Pulled Point Insert with Flange, 6 x 32mm	100/cs
1180V95	350 µL Glass Conical Pulled Point Insert with Flange, 6x32mm, in Vial Loader	96/cs
1180V99	96-Well Pierceable Cap Mat, Clear PTFE/Orange Silicone with Slit, for Crimp Top or Flanged Inserts	1/ea

CORNING

## CORNING MATRIBOT BIOPRINTER

The Corning Matribot bioprinter, a breakthrough device that enables dispensing and printing with Corning Matrigel® matrix, Collagen, and other temperature-sensitive hydrogels without the need for cold blocks, ice buckets, or a cold room. It can also be used to bioprint with hydrogels that need ambient temperature such as alginate-based bioinks.

- Dispenses 3D Droplets or droplet layered arrays
- Syringe-based extrusion platform with temperature-controlled print head, insulated nozzles and a UV LED system
- Works with temperature sensitive hydrogels
- Compact footprint and easy to clean



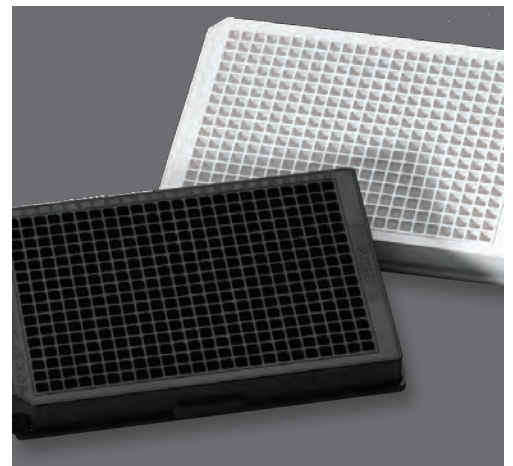
Mfr. No.	Description	Unit
6150	Corning Matribot Bioprinter with Starter Package	1/ea

## CORNING® MATRIGEL® MATRIX-3D PLATES

Corning Matrigel matrix, a natural extracellular matrix (ECM)-based hydrogel, is widely used and referenced in 3D cell culture, in support of organoid and spheroid formation. As 3D cell culture models migrate into a high throughput environment, the need for more convenient, consistent, pre-coated format options has emerged. Matrigel matrix-3D plates, a pre-coated, ready-to-use option available in 96-well and 384-well formats.

- Convenience. Consistency. Certainty.

Thomas No.	Description	Unit
—	Corning Matrigel Matrix – 3D Plate, 384-well, Black/Clear Square Bottom, Phenol Red-Free, Individually Wrapped, with Lid	5/cs
—	Corning Matrigel Matrix – 3D Plate, 384-well, Black/Clear Square Bottom, Phenol Red-Free, Individually Wrapped, with Lid	1/pk; 5/cs
—	Corning Matrigel Matrix – 3D Plate, 384-well, White/Clear Square Bottom, Phenol Red-Free, Individually Wrapped, with Lid	1/pk; 1/cs
—	Corning Matrigel Matrix – 3D Plate, 96-well, Phenol Red-Free, Black/Clear, Individually Wrapped, with Lid	1/pk; 1/cs
1232C55	Corning BioCoat® Matrigel Matrix 24-well Clear Flat Bottom TC-treated Multiwell Plate, with Lid	2/cs
1232C53	Corning BioCoat® Matrigel Matrix 6-well Clear Flat Bottom TC-treated Multiwell Plate, with Lid	2/cs
1206D81	Corning BioCoat® Matrigel 6-well Plate for ES Culture	5/cs
B003T11	Corning Matrigel Basement Membrane Matrix, LDEV-free	5 ml
B003T20	Corning Matrigel hESC-Qualified Matrix, LDEV-free	5 ml
B003T14	Corning Matrigel Basement Membrane Matrix High Concentration (HC), LDEV-free	10 ml





Innovative  
Laboratory  
Products, LLC



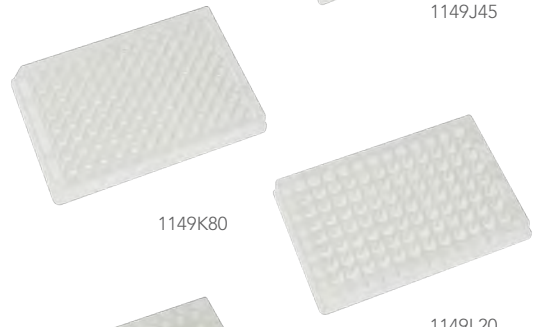
20A00C710

1149L24



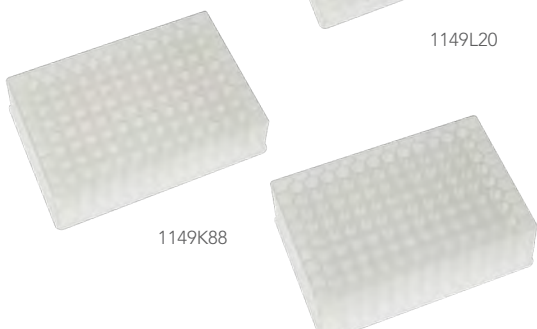
1149J41

1149J45



1149K80

1149L20



1149K88

1149K98



1149J52

1149J39

1149J34

1149J36

1149J47

1149J49

## 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
1144A73	24-Well Plate, Square Top, 5.0 mL, V-Bottom	50/cs
20A00C710	10 mL 24-Square Well Plate with Round U-Bottom	5/pk; 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 $\mu$ L, U-Bottom, Well $\varnothing$ : 7.0 mm, Height: 14.6 mm	100/cs
1149L20	96-Well, Round Well Plate, 335 $\mu$ L, Conical V-Bottom, Well $\varnothing$ : 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 $\mu$ L, U-Bottom, Well $\varnothing$ : 7.0 mm, Height: 33.0 mm	50/cs
1149K98	96-Well, Round Well Plate, 1.3 mL, Conical V-Bottom, Well $\varnothing$ : 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 $\mu$ L, Conical V-Bottom, Well $\varnothing$ : 8.5 mm, Height: 14.4 mm	100/cs
1149J36	96-Well, Round Well Plate, 500 $\mu$ L, U-Bottom, Well $\varnothing$ : 8.5 mm, Height: 14.4 mm	100/cs
1149J39	96-Well, Round Well Plate, 1.2 mL, U-Bottom, Well $\varnothing$ : 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 $\mu$ L, V-Bottom, Height: 15.0 mm	100/cs
1149J49	384-Well Square Plate, 190 $\mu$ L, V-Bottom, Height: 22.0 mm	100/cs



## ILP SILICONE SEALING MATS

For Use with Assay and Storage Plates



Innovative  
Laboratory  
Products, LLC

- 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

### 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
21A00F765	Comb for KF 24-magnetic head with Plate	50/cs

\* Also available in sterile





1149J82



1149J81



1149J84



1149J87

## 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



1169K10

## 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
1169K17	96 Needle Head with Straight Needles for all Porvair Evaporators	1/ea
1169K18	384 Needle Head with straight for Ultravap RC. Mistral & Levante only	1/ea
1169K19	24 Needle Head with straight for all Porvair Evaporators	1/ea
1169K20	48 Needle Head straight for use with HPLC vial adaptor for all Porvair Evaporators	1/ea



## ULTRASEAL™ HEAT SEALING SYSTEM

*Pneumatically and electrically operated heat sealer for storage plates and vial racks, 110/220V*

- Heat Sealer ambient to 199°C
- Foil Seals
- Integration ready RS232 interface

### ULTRASEAL HEAT SEALING SYSTEM

Thomas No.	Description	Unit
20A00H698	Ultraseal Pro, pneumatically and electrically operated heat sealer for storage plates and vial racks, 110/220V	1/ea
22A00B666	Ultraseal ePRO Plate Sealer - Electrical Operation Plate Sealer 110V/220V, for use with Heat Sealing Films in Roll Format	1/ea



20A00H698

## ULTRASEAL™ LITE

*Adaptable Semi-Automatic Plate Sealer 110v/230v*

- Seals SBS format microwell plates and tubes
- Seals plates of any height from 9 - 48mm
- 110V/220V 50/60 Hz compatible

### ULTRASEAL LITE MICROPLATE SEALER

Thomas No.	Description	Unit
21A00F740	Ultraseal Lite Adaptable Semi-Automatic Microplate Sealer	1/ea



21A00F740

## EGECKO2 AUTOMATED BARCODE APPLICATOR

*Fully Automated with own PC control*

- Individual internal generation of labels
- Uses robust and proven label print engines
- Works directly with OEM label creation software via application card

### EGECKO2 AUTOMATED BARCODE APPLICATOR

Thomas No.	Description	Unit
23A00A251	eGecko 2 Barcode Label Application System	1/ea



23A00A251

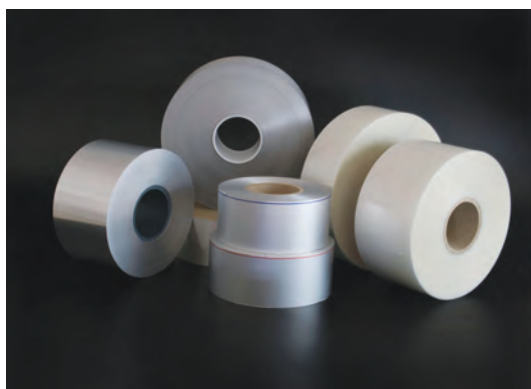


## SCORPION PLATE HANDLING SYSTEM

Scorpion Plate Handling Series automated plate handling systems offer the ideal entry level automation laboratories require for a reliable, consistent plate and tube handling.

Thomas No.	Description	Unit
23A00F091	Scorpion Plate Handling System - Right Hand Feed	1/ea
23A00F092	Scorpion Plate Handling System - Left Hand Feed	1/ea





## HEAT SEALS

ALPS/a4S-Style = 78mm width roll  
 Agilent-Style = 115mm width roll



Save money and time while improving sealing integrity with labForce Microplate Heat Sealing Films. Ideal for storage application as well as high throughput sample processing, heat sealing offers the most reliable sealing method to ensure your samples are preserved. In addition the capability of retrieving samples is achieved through either peeling and then re-sealing the plate or piercing through the seal. A full range of sealing materials for virtually every application. Compare and Save!

Thomas No.	Unit	Heat Seal	Description	Temperature Range	Applications
22A00A415	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"> <li>qPCR (Real-Time)</li> <li>Short-Term Compound Storage</li> </ul>
22A00F043	Agilent-Style, 350 m				
22A00A409	labForce® Sheet Format		labForce® Clear Heat Seal, Peelable		
22A00A414	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 IDs non-sealing surface	-20°C to 110°C	<ul style="list-style-type: none"> <li>Low-Temp Compound Storage</li> <li>Short-Term Compound Storage PCR</li> </ul>
22A00F042	Agilent-Style, 500 m				
22A00A408	labForce® Sheet Format		labForce® Foil Heat Seal, Peelable and Pierceable		
22A00A413	ALPS/a4S-Style, 610 m	Pierce Seal	Pierceable Seal to PP and PS Plates, Very Good Solvent Resistance Including DMSO, Apply on Top of Each Other for Re-Sealing, Color Print IDs Non-Sealing Surface	-20° C to 120°C	<ul style="list-style-type: none"> <li>PCR</li> <li>Compound Storage</li> <li>Sample Shipping</li> </ul>
22A00F041	Agilent-Style, 500 m				
22A00A416	ALPS/a4S-Style, 610 m	Universal Peel Seal	Moderate Solvent Resistance, Re-Sealable w/ Another Universal Peel Seal	-80°C to 80°C, 110°C w/ Pressurized PCR Heated Lids	<ul style="list-style-type: none"> <li>Low-Temp Compound Storage</li> <li>High-Temp Applications</li> <li>PCR</li> </ul>
22A00F044	Agilent-Style, 500 m				
22A00A416	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	-20°C to 110°C	<ul style="list-style-type: none"> <li>Low-Temp Compound Storage</li> <li>Short-Term Compound Storage</li> <li>PCR</li> </ul>
22A00A410	Agilent-Style, 500 m				

## POLARSEAL™ ALUMINUM MICROPLATE SEALS

Ideal for long term compound storage

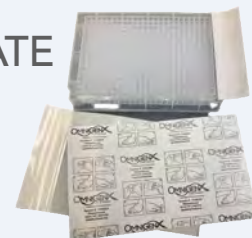


- Effective temperature range from -80°C to +150°C
- DMSO resistant
- Pierceable with a pipet tip for easy sample retrieval
- Peels off easily to reduce backspray
- DNase-/RNase- and Human/Mouse DNA Free (PCR Certified)

Thomas No.	Description	Unit
1152A34	PolarSeal Aluminum Microplate Seals	100/pk

## OMNIGENX MICROPLATE SEAL PADS

The Fastest, Most Inexpensive Sealing Solution on the Market



- Compare & Save!
- Easy to use for fast and effective plate sealing
- Ideal for sealing ELISA and Filtration plates
- Prevent Cross-Contamination and Evaporation between Aspiration and Dispense Steps

Thomas No.	Description	Unit
1149J29	OmniGenX Microplate Seal Pad; 25 Seals/Pad, 4 Pads/Pack	100/pk; 5000/cs

## 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



by labForce, a Thomas Scientific Brand

## 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



## ADVANCESEAL™ HEAT SEAL

*AdvanceSeal Heat Seal, Peelable PCR Foil*

Application: Ideal for PCR applications  
 Temperature Range: 4°C to +94°C

- Compatible with single sheet heat seal applicators
- Certified free of detectable levels of DNase-, RNase and Human DNA contamination (PCR Certified)
- Provides excellent evaporation protection
- Peelable foil does not tear upon removal

Thomas No.	Description	Unit
22A00G133	AdvanceSeal Heat Seal, Peelable PCR Foil, Non-Sterile	100/pk

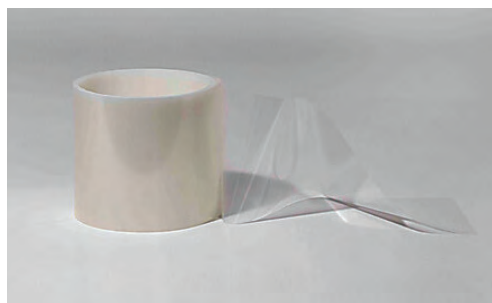
## ADVANCESEAL™ HEAT SEAL PEELABLE TRANSPARENT FILM

Provides excellent evaporation protection. Peelable film removes easily from plate surface. Certified free of detectable levels of DNase-, RNase-, and human DNA contamination (PCR Certified). Heat and cold resistant, effective for temperatures from -80°C to +105°C.

Thomas No.	Description	Unit
24A00B200	AdvanceSeal Heat Seal, Peelable, Transparent Film Roll Format. 77.5mm x 610m	1/ea
24A00B201	AdvanceSeal Heat Seal, Peelable, Transparent Film Roll Format. 114.5mm x 500m Fits Agilent PlateLoc	1/ea



22A00G133



22A00B200



## SMARTSEAL™ SEMI-AUTOMATED MICROPLATE SEALER

*Provides fast, reproducible sealing of microplates*

With digital control over all parameters (time, temperature and pressure) the SmartSeal is capable of accepting a wide range of plate types and heights. An aluminum block adapter is included (for assay and PCR plates) increasing the compatibility of the instrument to allow for sealing nearly any plate up to 48mm tall.

Thomas No.	Description	Unit
22A00H654	SmartSeal™ Semi-Automated Microplate Sealer, 115V	1/ea



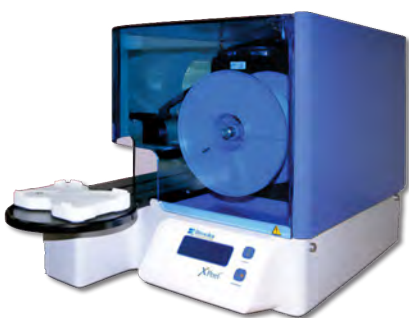
22A00H654

## 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).

Thomas No.	Description	Unit
1150L21	XPeel Automated Plate Seal Removal, 115 V	1/ea
1149J00	D-Seal Tape for Xpeel Plate Seal Remover, 5 Rolls/Case	1/ea



1150L21



## 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"> <li>qPCR (Real-Time)</li> <li>Short-Term Compound Storage</li> </ul>
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"> <li>High Tensile Strength</li> </ul>
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"> <li>qPCR (Real-Time)</li> <li>Use w/ ABI™ 3730 Sequencer</li> </ul>
1149T55	Agilent-Style, 500 m				
1149T34	ALPS/a4S-Style, 610 m	Polystyrene Foil Seal	Optimized for Polystyrene Plates, Peelable and Piercable Heat Seal, Good Solvent Resistance Including DMSO, Re-Sealable w/ Another Foil Seal	-20°C to 110°C	<ul style="list-style-type: none"> <li>Low-Temp Compound Storage</li> <li>Short-Term Compound Storage</li> <li>PCR</li> </ul>
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"> <li>Low-Temp Compound Storage</li> <li>Short-Term Compound Storage</li> <li>PCR</li> </ul>
1149T13	Agilent-Style, 500 m				
1149T00	ALPS/a4S-Style, 610 m	Pierce Seal	Piercable 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"> <li>PCR</li> <li>Compound Storage</li> <li>Sample Shipping</li> </ul>
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"> <li>PCR</li> <li>Compound Storage</li> <li>Sample Shipping</li> </ul>
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"> <li>Low-Temp Compound Storage</li> <li>High-Temp Applications</li> <li>PCR</li> </ul>
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"> <li>Low-Temp Compound Storage</li> <li>Short-Term Compound Storage</li> <li>PCR</li> </ul>
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"> <li>Low and Room-Temp Compound Storage w/ DMSO and Other Organic Solvents</li> </ul>
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 <sup>3</sup> /M <sup>2</sup> /24h, Moisture Vapour Transmission: 20 g/M <sup>2</sup> /24h.	-20°C to 80°C	<ul style="list-style-type: none"> <li>Cell Culture</li> <li>Overnight Incubation</li> <li>Seed and Insect Storage</li> </ul>
1149T76	Agilent-Style, 500 m				



## FASTPREP-96™ HIGH-THROUGHPUT BEAD BEATING GRINDER AND LYSIS SYSTEM

High-throughput model for quickly processing up to 192 samples per cycle in two 96-deep well plates.

- Interchangeable adapters available for various vessel types from 2 x 96 deep well plates to 2 x 250 mL flask
- True Linear Motion eliminates the need to re-orient plates mid-cycle

### 24-WELL STORAGE PLATES

Thomas No.	Description	Unit
1144A73	FastPrep™-96 Instrument	1/ea


### Select a Qualifying Lysing Matrix




















Lysing Matrix	Pk Size	Thomas No.
<b>2 mL Tube</b>		
A	50 Tubes	1177P69
B	50 Tubes	1177P71
C	50 Tubes	1177P74
D	50 Tubes	1177P77
E	50 Tubes	1177P80
<b>TallPrep - 4.5 mL Tube</b>		
A	25 Tubes	1177U36
B	25 Tubes	1177U38
C	25 Tubes	1173B34
D	25 Tubes	1177U41
E	25 Tubes	1173B31

Lysing Matrix	Pk Size	Thomas No.
<b>TeenPrep - 15 mL Tube</b>		
A	5 Tubes	1173A95
B	5 Tubes	1173B05
C	5 Tubes	1173B18
D	5 Tubes	1173A98
E	5 Tubes	1173B01
<b>BigPrep - 50 mL Tube</b>		
A	10 Tubes	1173B22
B	10 Tubes	1173B09
C	10 Tubes	1173B24
D	10 Tubes	1173B13
E	10 Tubes	1173B29

Lysing Matrix	Pk Size	Thomas No.
<b>TeenPrep - 15 mL Tube</b>		
A	1 Rack	1177U49
B	1 Rack	1177U51
C	1 Rack	1171U19
D	1 Rack	1177U53
E	1 Rack	1177U55

### Lysing Matrix Recommendations

 = Most Recommended

Lysing Matrix	Plants	Animals	Bacteria	Feces	Soil	Insects/Worms	Yeast/Algae
<b>A</b> 							
<b>B</b> 							
<b>C</b> 							
<b>D</b> 							
<b>E</b> 							



## AMPLIFYT™ PCR PLATES

- Optimal sealing – raised wells prevent evaporation
- Easy sample ID – high-contrast, black alphanumeric indexing



### 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

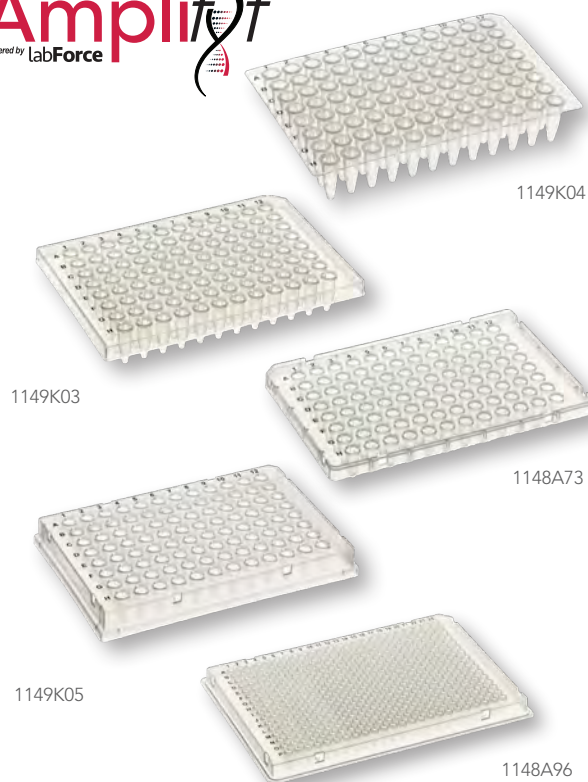
Thomas No.	Description	Unit
1149K06	96-Well PCR Plate, Semi-Skirted w/ Raised Rim, ABI Style, A12 Notch, Natural	25/pk
1149K03	96-Well PCR Plate, Semi-Skirted, Flat Top, A12 Notch, Natural	25/pk
1148A73	96-Well PCR Plate, Semi-Skirted w/ Raised Rim, Low Profile (0.1 mL) Fastplate, A1 Notch, Natural,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



## AMPLIFYT™ RIGIFRAME® RIGID 96 WELL FULL-SKIRT PCR PLATES

- Ultra-thin polypropylene wells provide optimal thermal transfer and higher reaction efficiencies

### 96 WELL FULL-SKIRT PCR PLATES

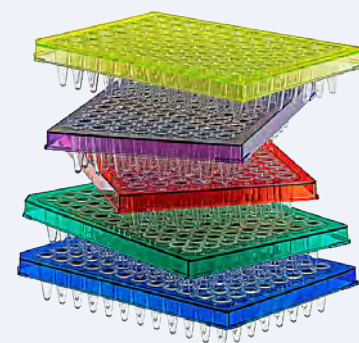
Thomas No.	Description	Unit
23A00U722	0.1mL PCR Plate, Clear Frame, Clear Well	10/pk;100/cs
23A00U723	0.1mL PCR Plate, Blue Frame, Clear Wells	10/pk;100/cs
23A00U724	0.1mL PCR Plate, Green Frame, Clear Wells	10/pk;100/cs
23A00U725	0.1mL PCR Plate, Red Frame, Clear Wells	10/pk;100/cs
23A00U726	0.1mL PCR Plate, Violet Frame, Clear Wells	10/pk;100/cs
23A00U727	0.1mL PCR Plate, Yellow Frame, Clear Wells	10/pk;100/cs
23A00U728	0.1mL PCR Plate, Assorted Color (Blue, Green, Violet, Yellow) Frames, Clear Wells	10/pk;100/cs
23A00U729	0.1mL PCR Plate, Black Frame, White Wells	10/pk;100/cs
23A00U730	0.1mL PCR Plate, Clear Frame, Clear Wells, Pre-Barcoded	10/pk;100/cs
23A00U731	0.1mL PCR Plate, Black Frame, White Wells, Pre-Barcoded	10/pk;100/cs



23A00U722

### 96 WELL SEMI-SKIRT PLATES

Thomas No.	Description	Unit
23A00U732	0.2mL PCR Plate, Clear Frame, Clear Wells	10/pk;100/cs
23A00U733	0.2mL PCR Plate, Blue Frame, Clear Wells	10/pk;100/cs
23A00U734	0.1mL PCR Plate, Green Frame, Clear Wells	10/pk;100/cs
23A00U735	0.2mL PCR Plate, Red Frame, Clear Wells	10/pk;100/cs
23A00U736	0.2mL PCR Plate, Violet Frame, Clear Wells	10/pk;100/cs
23A00U737	0.2mL PCR Plate, Yellow Frame, Clear Wells	10/pk;100/cs
23A00U738	0.2mL PCR Plate, Assorted Color (Blue, Green, Violet, Yellow) Frames, Clear Wells	10/pk;100/cs



23A00U732



21A00Q064

RigiFrame™ 96 Well PCR Plate  
Fully Skirted, Low Profile



21A00Q070

RigiFrame™ 96 Well PCR Plate  
Semi-Skirted, Low Profile, Roche Style



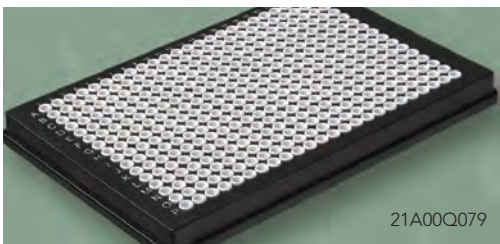
21A00Q074

RigiFrame™ 96 Well PCR Plate  
Semi-Skirted, Standard Profile, Universal Style



21A00Q077

RigiFrame™ 96 Well PCR Plate  
Semi-Skirted, Standard Profile, AB/Style



21A00Q079

RigiFrame™ 384 Well PCR Plate



21A00Q082

RigiFrame™ 96 Well Storage Plate, Fully Skirted,  
Low Bind, High Recovery Well Design

## RIGIFRAME™ 96 WELL STORAGE PLATE

*Designed to support your PCR and qPCR applications*

### 96 WELL PCR PLATE, LOW PROFILE

Thomas No.	Description	Unit
21A00Q064	96 Well PCR Plate, Fully Skirted with H1 cut corner, Low Profile, 0.2 mL Wells, Black Ultra Rigid Frame, Clear Tubes	50/cs
21A00Q065	96 Well PCR Plate, Fully Skirted with H1 cut corner, Low Profile, 0.2 mL Wells, Black Ultra Rigid Frame, White Tubes	50/cs
21A00Q066	96 Well PCR Plate, Fully Skirted with H1 cut corner, Low Profile, 0.2 mL Wells, Black Ultra Rigid Frame, High Sensitivity White Tubes	50/cs
21A00Q067	96 Well PCR Plate, Fully Skirted with H1 cut corner, Low Profile, 0.2mL Wells, White Ultra Rigid Frame, Clear Tubes	50/cs
21A00Q068	96 Well PCR Plate, Fully Skirted with H1 cut corner, Low Profile, 0.2 mL Wells, White Ultra Rigid Frame, White Tubes	50/cs
21A00Q069	96 Well PCR Plate, Fully Skirted with H1 cut corner, Low Profile, 0.2 mL Wells, White Ultra Rigid Frame, High Sensitivity White Tubes	50/cs

### 96 WELL PCR PLATE, ROCHE

Thomas No.	Description	Unit
21A00Q070	96 Well PCR Plate, Semi-Skirted, Roche Style with H12 cut corner, Low Profile 0.2 mL wells, Clear Rigid Frame, Clear Tubes	50/cs
21A00Q071	96 Well PCR Plate, Semi-Skirted, Roche Style with H12 cut corner, Low Profile 0.2 mL wells, Clear Rigid Frame, White Tubes	50/cs
21A00Q072	96 Well PCR Plate, Semi-Skirted, Roche Style with H12 cut corner, Low Profile 0.2 mL wells, White Rigid Frame, White Tubes	50/cs
21A00Q073	6 Well PCR Plate, Semi-Skirted, Roche Style with H12 cut corner, Low Profile 0.2mL wells, White Rigid Frame, High Sensitivity White Tubes	50/cs

### 96 WELL PCR PLATE, UNIVERSAL

Thomas No.	Description	Unit
21A00Q074	96 Well PCR Plate, Semi-Skirted, Universal style with H1 cut corner, Standard Profile 0.3 mL wells, Clear Rigid Frame, Clear Tubes	50/cs
21A00Q075	96 Well PCR Plate, Semi-Skirted, Universal style with H1 cut corner, Standard Profile 0.3mL wells, Clear Rigid Frame, White Tubes	50/cs
21A00Q076	96 Well PCR Plate, Semi-Skirted, Universal style with H1 cut corner, Standard Profile 0.3 mL wells, Clear Rigid Frame, High Sensitivity White Tubes	50/cs

### 96 WELL PCR PLATE, ABI

Thomas No.	Description	Unit
21A00Q077	96 Well PCR Plate, Semi-Skirted, ABI style with A12 cut corner, Standard Profile 0.3 mL wells, Clear Rigid Frame, Clear Tubes	50/cs
21A00Q078	96 Well PCR Plate, Semi-Skirted, ABI style with A12 cut corner, Standard Profile 0.3 mL wells, Clear Rigid Frame, White Tubes	50/cs

### 384 WELL PCR PLATE

Thomas No.	Description	Unit
21A00Q079	384 Well PCR Plate, Fully Skirted with A24 cut corner, 0.45 µl wells, Black Ultra Rigid Frame, Clear Tubes	50/cs
21A00Q080	384 Well PCR Plate, Fully Skirted with A24 cut corner, 0.45 µl wells, Black Ultra Rigid Frame, White Tubes	50/cs
21A00Q081	384 Well PCR Plate, Fully Skirted, Roche style with A24 and P24 cut corners, 0.45 µl wells, White Frame, White Tubes	50/cs
22A00F835	384 Well PCR Plate, Fully Skirted with A24 cut corner, 0.45 µl wells, Black Ultra Rigid Frame, High Sensitivity White Tubes	50/cs
22A00F836	384 Well PCR Plate, Fully Skirted, Roche style with A24 and P24 cut corners, 0.45 µl wells, White Ultra Rigid Frame, White High Sensitivity Tubes	50/cs

### 96 WELL STORAGE PLATE

Thomas No.	Description	Unit
21A00Q082	96 Well Storage Plate, Fully Skirted with H1 cut corner, 0.15mL wells, Low Bind, High Recovery, Black Rigid Frame, Clear Tubes	50/cs



**AZENTA**  
LIFE SCIENCES

## FRAMESTAR® PCR PLATES

384 Well & 96 Well Plates for Improved Consistency of PCR Results

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



1149U19



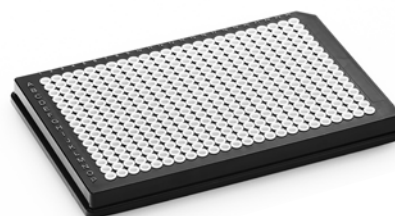
1149U99



1149V65



1149R66



1149R64

### 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, part strips or individual tubes.

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





## 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



1148V87

1148V83

## 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.

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

## 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

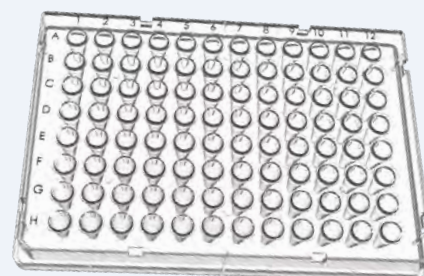
Thomas No.	Description	Unit
21A00Q083	96-Well PCR Plate, Full-Skirted, Low Profile 0.2mL Wells, Biocomposite Rigid Frame, Clear PP Tubes, 10 plates per sleeve, 50 plates per box	50/cs
21A00Q084	96 Well PCR Plate, Fully Skirted, Low Profile 0.2mL Wells, Biocomposite Rigid Frame, White PP Tubes, 10 plates 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

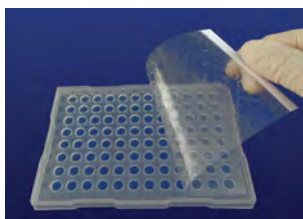


### LOW BINDING RIGID PCR PLATES

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, 0.3 mL, A12 Notch, Clear	20/pk; 400/cs



1148A87



See page 29 for our optically clear polyolefin films with pressure sensitive adhesive for qPCR

## 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



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1149V49



1149U98



1149U99

## 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

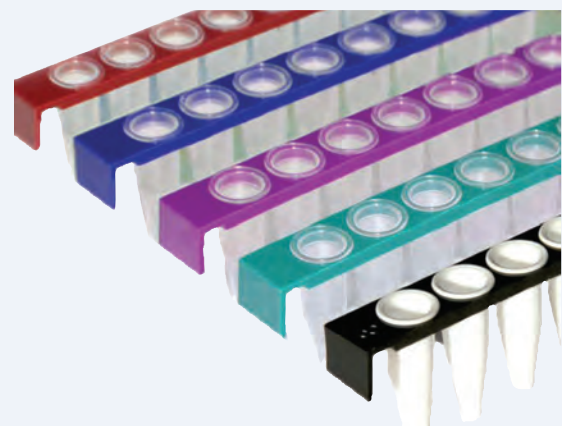
Thomas No.	Description	Unit
1149U98	96-Well PCR Plate, Semi-Skirted, ABI Style, A12 Notch, Black Frame w/ White Wells	50/cs
1149U99	96-Well PCR Plate, Semi-Skirted, ABI Style, A12 Notch, Clear Frame w/ Frosted Wells	50/cs
1149U92	96-Well PCR Plate, Semi-Skirted, ABI Style, A12 Notch, Clear Frame w/ Clear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





## PCR INEFFICIENCY IS COSTING YOUR LABORATORY

Add **Simplicity™** to your workflow

Our **Simplicity Panels™** are pre-pipetted PCR assays provided in unique 96 well break-away plates, or in 384 well plates

At Molecular Designs, our mission is to simplify the delivery of molecular technologies. We do this by developing, producing, and supplying multiplex assays for research use.

### **Simplicity™** Panel

- 82% less hands-on-time vs conventional methods
- Reducing errors with pre-plated reagents
- Improving efficiency with customized panels
- Decreasing costs with break-away plates
- Increasing profitability through streamlined setup

Partnering with an experienced validation consulting service like **Streamline Scientific** ensures a smooth, compliant process.



- Covid-19 Extraction-less Panel
- Covid, Flu, RSV with extraction or extraction-less
- Covid Respiratory Plus Panel - Includes Respiratory and Lite
- UTI Lite Panel
- UTI Plus Panel - Includes UTI and Wound Panels
- Dysuria Panel
- Vaginitis Panel - Includes STI and standard CTNG Panels
- CT, NG, TV Panel
- Fungal Panel
- GI Panel
- C. auris Panel

## MOLECULAR DESIGNS PCR DIAGNOSTIC PANELS

96 or 384 Panels / Plate

Molecular Designs offers numerous pathogen assays within 14 different panels, with many more panels in development. Our assays are designed to run on most PCR platforms. Our premium assays are highly sensitive and can detect as few as 10 copies of DNA/RNA while maintaining high specificity.

Contact us for a complete product listing and pricing.





## ZYMOPURE PURIFICATION KITS



### SELECT-A-SIZE DCC MAGBEAD KITS

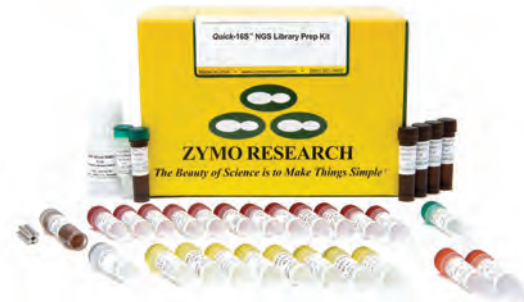
- Tunable: High quality tunable DNA fragment size selection from 150 bp to 800 bps
- Consistent performance: Rapid purification with high reproducibility
- Automation Ready: Scalable automation-friendly protocol



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



## 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



**XPRESSDNA PLASMID MINI KITS**

- Controlled enzymatic lysis method allows the release of plasmid DNA from cells without gDNA contamination
- Easy and convenient protocol

Thomas No.	Description	Unit
CHM00C947	XpressDNA Plasmid Mini Kit, 50 rxn	1/pk
CHM00C948	XpressDNA Plasmid Mini Kit, 250 rxn	1/pk

**XPRESSAUTOMAG SALIVA DNA KITS**

- Isolate high-quality gDNA from fresh/ frozen/ or stored saliva samples
- Fast, reproducible, and easy processing using magnetic bead based system
- Automation friendly with KingFisher Flex, Duo, ZYBIO, Himedia and others

Thomas No.	Description	Unit
CHM03V661	XpressAutoMag Saliva Kit, 96 reactions	1/pk
CHM03V662	XpressAutoMag Saliva Kit, 480 reactions	1/pk

**XPRESSDNA BACTERIA KITS**

- Extraction procedure optimized to minimize DNA fragmentation
- Works with fungi and yeast
- Easy and convenient protocol

Thomas No.	Description	Unit
CHM00C952	XpressDNA Bacteria Kit, 50 rxn	50/pk
CHM00C953	XpressDNA Bacteria Kit, 250 rxn	250/pk

**XPRESSDNA PLANT KIT**

- Pure contaminant free DNA
- Works with fungi and yeast
- Enables extraction of genomic DNA of size >50kb, suitable for NGS platforms like PacBio

Thomas No.	Description	Unit
CHM03V652	XpressDNA Plant Kit, 50 Reactions	1/pk
CHM03V653	XpressDNA Plant Kit, 250 Reactions	1/pk

**XPRESSDNA PATHOGEN BLOOD KITS**

- Complete removal of contaminants and inhibitors
- Easy and convenient protocol

Thomas No.	Description	Unit
CHM00C958	XpressDNA Pathogen Blood Kit, 50 Reactions	50/pk
CHM00C959	XpressDNA Pathogen Blood Kit, 250 Reactions	250/pk

**XPRESSDNA PATHOGEN URINE KITS**

- Complete removal of contaminants and inhibitors
- Easy and convenient protocol

Thomas No.	Description	Unit
CHM00C960	XpressDNA Pathogen Urine Kit, 50 rxn	50/pk
CHM00C961	XpressDNA Pathogen Urine Kit, 250 rxn	250/pk

CHM00C947



CHM03V661



CHM00C952



CHM03V653



CHM00C958



CHM00C960





CHM03V670

**XPRESSPURE SIZE SELECT BEADS – NGS**

- Efficient clean up and single or double-sided size selection
- Easy substitution into existing bead-based workflows
- Consistent results across different experiments and users
- Automation friendly

Thomas No.	Description	Unit
CHM03V670	XpressPure Size Select Beads – NGS, 5 mL	1/pk
CHM03V671	XpressPure Size Select Beads – NGS, 60 mL	1/pk
CHM03V672	XpressPure Size Select Beads – NGS, 500 mL	1/pk
CHM03V673	XpressPure Size Select Beads – HMW, 5 mL	1/pk
CHM03V674	XpressPure Size Select Beads – HMW, 60 mL	1/pk



CHM03V655

**XPRESSPURE BEADS – PCR CLEANUP KIT**

- High Yield: >90% recovery
- High Quality DNA: A260/A280 = 1.6 - 2.0
- Magnetic Nanoparticle Size: ~ 10 nm
- Broad Fragment Size Range: 100 bp –10 kb
- Manual or automated DNA isolation

Thomas No.	Description	Unit
CHM03V655	XpressPure Beads - PCR Cleanup Kit, 5 mL	1/pk
CHM03V656	XpressPure Beads - PCR Cleanup Kit, 50 mL	1/pk
CHM03V657	XpressPure Beads - PCR Cleanup Kit, 100 mL	1/pk



CHM00D695

**RNA ISOLATION FROM SWABS**

- Extraction procedure optimized to keep RNA integrity high
- Limited use of plastic wares in extraction protocol
- Reproducible isolation of viral RNA

Thomas No.	Description	Unit
CHM00D695	RNA Isolation from swabs, 50 rxn	50/pk
CHM00D697	RNA Isolation from swabs, 250 rxn	1/pk



CHM03V659

**XPRESSAUTOMAG BLOOD DNA KIT**

- Isolate high-quality gDNA from fresh/frozen/or aged blood samples
- Fast, reproducible, and easy processing using magnetic bead based system
- Automation friendly

Thomas No.	Description	Unit
CHM03V659	XpressAutoMag Blood Kit, 96 reactions	1/pk
CHM03V660	XpressAutoMag Blood Kit, 480 reactions	1/pk



CHM03V663

**XPRESSAUTOMAG TISSUE DNA KIT**

- Isolate high-quality gDNA from fresh/ frozen/ or ethanol preserved mammalian tissues and cell lines
- Fast, reproducible, and easy processing using magnetic bead-based system
- Recovered gDNA is compatible with various downstream applications

Thomas No.	Description	Unit
CHM03V663	XpressAutoMag Tissue Kit, 96 reactions	1/pk
CHM03V664	XpressAutoMag Tissue Kit, 480 reactions	1/pk

## LOAD N' GO QUICK-DNA/RNA HT KIT

- **Save Time and Focus on Discovery:** Pre-filled 96-well reagent plate technology that offers multi-platform compatibility and reduces hands-on time by 75%.
- **Versatile Nucleic Acid Extraction for Various Samples:** Purify high-quality DNA easily and reliably from any biological fluid, cultured/monolayer cells, or tissue sample.
- **Precision Meets Versatility:** The Zymo magbead purification system ensures DNA and RNA is ready for all sensitive downstream applications such as qPCR, DNA-sequencing arrays, and methylation analysis



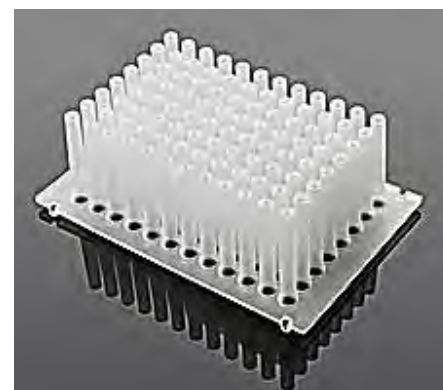
### LOAD N' GO QUICK-DNA/RNA HT KIT

Thomas No.	Description	Unit
CHM06Y986	Load N' Go Quick-DNA/RNA HT Kit	1/ea

## PLATES AND COMBS FOR KINGFISHER MAGNETIC APPLICATIONS

For use with Viral RNA extraction, DNA extraction, RNA/DNA quantification, immunoprecipitations and many more KingFisher applications.

- For KingFisher 96 & 24 and other KingFisher Flex instruments
- Material: Polypropylene (PP)
- Temperature resistance from -80°C to 120°C



### AUTOMATION TIPS FOR QIAGEN® BIOROBOT® SERIES

Thomas No.	Description	Unit
1142K01	96 Tip Combs, non-sterile	5/pk; 50/cs
20A00F756	96 Tip Combs, sterile	5/pk; 50/cs
20A00F755	0.5 mL 96-Well Elution Plate, V-Conical Bottom, Square well, Sterile	5/pk; 50/cs
20A00G710	0.5 mL 96-Well Elution Plate, V-Conical Bottom, Square well, Non-sterile	5/pk; 50/cs
20A00G709	2.2 mL 96-Well Deep Well Plate, V-Conical Bottom, Square well, Non-sterile	5/pk; 50/cs
20A00H640	2.2 mL 96-Well Deep Well Plate, V-Conical Bottom, Square well, Sterile	5/pk; 50/cs
22A00F935	8-Plastic Tip Comb, U-Bottom, Sterile	5/pk; 50/cs
22A00F933	24-Well Plastic Comb, Sterile	1/pk; 25/cs
1162B93	10.4 mL 24-well Deep Well Plate, V-Bottom, Square well, Non-sterile	5/pk; 50/cs
1162B94	10.4 mL 24-well Deep Well Plate, V-Bottom, Square well, Sterile	5/pk; 50/cs
20A00F757	16 mL 24-Well Deep Well Plates, V-Bottom, Square Well, with 24-Well Plastic Comb, Sterile	1/pk; 25/cs

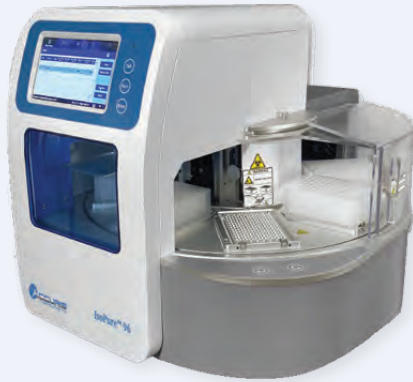




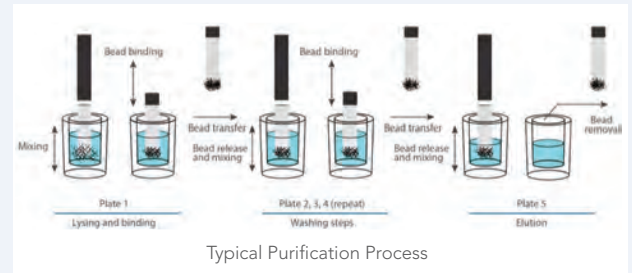
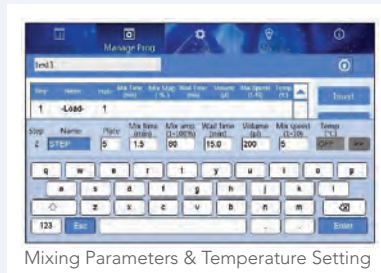
## ISOPURE™ 96, AUTOMATED PURIFICATION SYSTEM

*Hands off processing of up to 96 samples*

- Compatible with all popular magnetic bead kits
- Touch screen panel for on-board programming and operation
- Process up to 96 samples in deep-well plates
- 8-position carousel with 2 heating blocks
- Sample volume 50 µL - 1000 µL



Thomas No.	Description	Unit
22A00C927	IsoPure 96, Automated Purification System, 115V	1/ea
22A00C928	IsoPure 96, Automated Purification System, 230V	1/ea
22A00C929	96 deep well plates for IsoPure	50/pk
22A00C930	Tip Comb for IsoPure	50/pk



22A00C931

## ISOPURE™ MINI, AUTOMATED PURIFICATION SYSTEM

*Hands off processing of up to 16 samples*

- Compatible with all popular magnetic bead kits
- Touch screen panel for on-board programming and operation
- Process up to 16 samples in deep-well plates
- Sample volume 50µL to 1000µL

Thomas No.	Description	Unit
22A00C931	IsoPure™ Mini, Automated Purification System, 115V	1/ea
22A00C934	8-place magnetic tip combs	50/pk
22A00C933	6-well sample strips	100/pk
22A00C929	96 deep well plates for IsoPure™	50/pk
22A00C935	Android tablet, preloaded with IsoPure Mini App	1/ea

## M-SAN HIGH QUALITY NUCLEASE (BIOPROCESSING GRADE)



- Quick and accurate results from a sample droplet (0.5 µL-2.0 µL)
- 7.0-inch color touch screen for operation (no PC software required)

Thomas No.	Description	Unit
CHM03W715	M-SAN HQ-25 kU, 25 kU, 25-30 U/µL	1/ea

## SAN HQ

SAN High Quality is the ultimate solution for efficient removal of nucleic acids in high-salt manufacturing and bioprocessing workflows. This nonspecific endonuclease has optimum activity at salt concentrations between 400 – 650 mM.

- SAN High Quality - Bioprocessing grade
- SAN High Quality has optimal activity at high-salt.

Thomas No.	Description	Unit
CHM03X102	SAN HQ, 25 kU	1/ea

## T4 DNA LIGASE

Thomas No.	Description	Unit
CHM03W706	T4 DNA Ligase, 250kU, >=5000 U/µL	1/ea

## ISOPOL® BST+ POLYMERASE

\*Heat-tolerant Bst polymerase (large fragment) with enhanced strand-displacement activity. \*Active from 25 to 65°C. \*Lacking 5'-3'- and 3'-5'-exonuclease activity.

Thomas No.	Description	Unit
CHM03W710	IsoPol BST+ 5-200, 200 U, 5 U/µL	1/ea
CHM03W711	IsoPol BST+ 8-1600, 1600 U, 8 U/µL	1/ea
CHM03W712	IsoPol BST+ 120-10k, 10000U, 120 U/µL	1/ea
CHM03W713	IsoPol BST+ 10X Reaction Buffer Pack	1/ea

## ARCTICZYMES R2D LIGASE™

ArcticZymes RNA to DNA Ligase (ArcticZymes R2D Ligase™) is the first ligase on the market that is able to ligate DNA to 5'-phosphorylated ends of RNA in the presence of a DNA template positioning the joinable ends. With its unique substrate specificity, ArcticZymes R2D Ligase allows the development of new technologies in molecular biology research, diagnostics, and manufacturing.

Thomas No.	Description	Unit
CHM03W707	R2D Ligase, 5000U, 10 U/µL	1/ea

## HUMANKINE® GMP-GRADE CYTOKINES AND GROWTH FACTORS

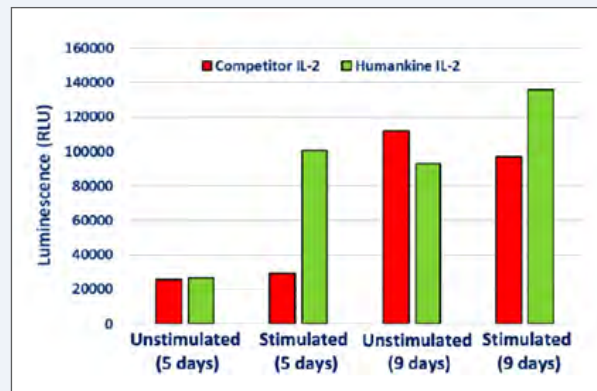
*Largest portfolio of GMP-grade recombinant proteins in the market*

Largest portfolio of GMP-grade recombinant proteins in the market. Keeping quality as our motto, Proteintech GMP-grade HumanKine growth factors and cytokines are manufactured in accordance with USP, WHO and ISO standards, which ensures maximum patient safety.

Our human expansion system ensures that proteins have native conformation and post-translational modifications to optimize biological activity. RUO to GMP, the same protein.

ISO13485 certified

- Animal component free
- Endotoxin free
- Xeno free
- Tag free
- Carrier free





## 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	MycoSensur 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	MycSensor 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



1139F77



1144B89

## DATAPAQ™ MIRAGE 2D SCANNERS

### Setting New Standards for 2D Barcode Rack Scanners

The DataPaq 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	DataPaq Mirage Single Rack Scanner	1/ea
1149H84	DataPaq Mirage Single Rack Scanner with Cryoprotection™	1/ea
1148W32	Mirage 1D Rack Code Scanner	1/ea

## 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



## 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.

### FLUIDX APERIO™ SEMI-AUTOMATIC CAPPER/DECAPPER

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



1150K81

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

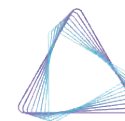
### FLUIDX INTELLIXCAP™ CAPPER/DECAPPER

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



1150K89

Thomas No.	Description	Unit
1150K89	FluidX IntelliXcap 96-Format Screw Cap Tube Rack Capper/Decapper	1/ea
20A00T436	FluidX IntelliXcap 24-Format Screw Cap Tube Rack Capper/Decapper	1/ea



**AZENTA**  
LIFE SCIENCES

## INTELLIXCAP™ SEMI-AUTOMATED HANDHELD SCREW CAP DECAPPER

Portable and lightweight, the Decapper is capable of capping a single column of 8 screw caps in under 4 seconds. The instrument offers consistent sealing for each and every tube.

- Individually driven motors for proper torque control
- Interchangeable cap driver cartridge system to support different labware
- Caps a single column in under 4 seconds
- Compatible with Azenta Acoustic tubes



Thomas No.	Description	Unit
22A00F029	Semi-Automated Handheld Screw Cap Decapper, 8-channel	1/ea
23A00W890	Semi-Automated Handheld Screw Cap Decapper Docking Station	1/ea
23A00W891	Semi-Automated Handheld Screw Cap Decapper Cartridge, 8-channel, for Azenta Life Sciences internal thread	1/ea
23A00W892	Semi-Automated Handheld Screw Cap Decapper Cartridge, 8-channel, for Azenta Life Sciences external thread	1/ea
23A00W893	Semi-Automated Handheld Screw Cap Decapper Cartridge, 8-channel, for Echo Qualified Acoustic tube	1/ea
23A00W894	Semi-Automated Handheld Screw Cap Decapper Cartridge, 8-channel, for Micronic external thread	1/ea
23A00W895	Semi-Automated Handheld Screw Cap Decapper Cartridge, 8-channel, for Rhinostics Swab internal thread	1/ea

## AUTO-RACK 2D TUBE RACKS FOR AUTOMATION

96, 48, 24 place AutoRacks for 2D Tubes

- Durable construction for long term freezer storage
- 2D barcode scanning compatible with all 96,48 & 24 tube rack 2D barcode readers
- Durable construction for long term freezer storage – Reinforced wall construction and tube supports for long lasting performance
- Meets Sustainability Goals – Reduce plastic by 100%
- 100% Recyclable - 100% Compostable
- Biodegradable

Thomas No.	Description	Unit
23A00W773	AutoRack 96- Automation Racks for 2D Barcoded Tubes, 96, 1.4mL	10/pk
23A00W775	AutoRack 96- Automation Racks for 2D Barcoded Tubes, 96, 0.7mL	10/pk
23A00W777	AutoRack 48- Automation Racks for 2D Barcoded Tubes, 48, 2mL	10/pk
23A00W779	AutoRack 24- Automation Racks for 2D Barcoded Tubes, 24, 4mL	10/pk

## SCILUTIONS

Innovative Laboratory Consumables



23A00W777



23A00W773





**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
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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
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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	-	-	-	-

# LVL TECHNOLOGIES 2D BARCODED TUBES



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



	SAFE® 96 XT				SAFE® 96 IT		SAFE® 48 XT		SAFE® 24 XT			
	XSX 200	SX 300	MX 500	LX 1000	MI 500	LI 1000	XLX 2000	XLX 4000	XXLX 2000	XXLX 4000	XXLX 6000	XXLX 8000
<b>Working Volume</b>												
with Screw Cap	220 µL	300 µL	500 µL	1,000 µL	480 µL	1,000 µL	2,000 µL	4,000 µL	2,000 µL	4,000 µL	6,000 µL	8,000 µL
with Push Cap	220 µL	300 µL	500 µL	1,000 µL	550 µL	1,070 µL	n/a	n/a	n/a	n/a	n/a	n/a
with Heat Seal	220 µL	330 µL	530 µL	1,030 µL	600 µL	1,120 µL	2,000 µL	4,000 µL	2,000 µL	4,000 µL	6,000 µL	8,000 µL
<b>Type of Rack</b>	96 SBS	96 SBS	96 SBS	96 SBS	96 SBS	96 SBS	96 SBS	48 SBS	48 SBS	24 SBS	24 SBS	24 SBS
<b>Type of Rack Lid</b>	Slide Lock	Slide Lock	Slide Lock Push Lock	Slide Lock Push Lock	Slide Lock Push Lock	Slide Lock Push Lock	Slide Lock	Slide Lock	Slide Lock	Slide Lock	Slide Lock	Slide Lock
<b>Storage Temperature</b>												
with Screw Cap	-196°C	-196°C	-196°C	-196°C	-196°C	-196°C	-196°C	-196°C	-196°C	-196°C	-196°C	-196°C
with Push Cap	-80°C	-80°C	-80°C	-80°C	-80°C	-80°C	n/a	n/a	n/a	n/a	n/a	n/a
with Heat Seal	-80°C	-80°C	-80°C	-80°C	-80°C	-80°C	n/a	n/a	n/a	n/a	n/a	n/a
<b>Outer Diameter</b>	8.65 mm	8.65 mm	8.65 mm	8.65 mm	8.65 mm	8.65 mm	12.80 mm	13.00 mm	17.80 mm	17.80 mm	17.80 mm	17.80 mm
<b>Tube Height</b>												
without Cap	14.6 mm	18.2 mm	26.2 mm	44.3 mm	26.9 mm	44.8 mm	44.2 mm	82.5 mm	24.5 mm	39.0 mm	55.5 mm	69.7 mm
with Screw Cap	16.0 mm	19.5 mm	27.5 mm	45.6 mm	33.1 mm	51.2 mm	45.5 mm	83.8 mm	25.9 mm	40.4 mm	56.9 mm	71.2 mm
with Push Cap	16.0 mm	19.5 mm	27.5 mm	45.6 mm	28.0 mm	45.9 mm	n/a	n/a	n/a	n/a	n/a	n/a
<b>Side Code Labeling</b>												
Barcode 1D	No	No	Optional	Optional	Optional	Optional	Yes	Yes	Optional	Optional	Optional	Optional
Human Eye Legible	No	Optional	Optional	Optional	Optional	Optional	Yes	Yes	Optional	Optional	Optional	Optional
<b>Screw Caps</b>												
Pre-capped	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
on Cap Rack	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Bulkware	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Available Presterilized</b>	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>Availability</b>	Rack, Bulk	Rack, Bulk	Rack, Bulk	Rack, Bulk	Rack, Bulk	Rack, Bulk	Rack, Bulk	Rack, Bulk	Rack, Bulk	Rack, Bulk	Rack, Bulk	Rack, Bulk
<b>Rack Height</b>												
without Cap	15.1 mm	18.7 mm	26.7 mm	44.8 mm	27.4 mm	45.3 mm	44.7 mm	83.2 mm	n/a	n/a	n/a	n/a
with Screw Capped Tubes	66.5 mm	20.2 mm	28.0 mm	46.1 mm	33.6 mm	51.7 mm	46.0 mm	84.5 mm	26.4 mm	40.9 mm	58.7 mm	73.0 mm
with Rack Lid	22.3 mm	22.3 mm	30.3 mm	48.3 mm	36.3 mm	54.3 mm	48.4 mm	87.0 mm	29.9 mm	43.8 mm	60.6 mm	74.5 mm



## TUBE LASER MARKER TLM 864 TUBES

Say "Goodbye" to tag and pen

- Remote Support within 24 hours
- Preferred appointment for on-site support
- Maintenance and Service accordingly detailed service description once per year on-site at customer
- Detailed service report



22A00A171

### TUBE LASER MARKER TLM 864 TUBES

Thomas No.	Description	Unit
22A00A171	SAFE Access Tube Laser Marker (suction device included)	1/ea

## SAFE® CAP FULLY-AUTOMATIC 96- AND 48-CHANNEL DE-/CAPPER

Latest cap driver technology

- 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



1148R87

### SAFE CAP FULLY-AUTOMATIC 96- AND 48-CHANNEL DE-/CAPPER

Thomas No.	Description	Unit
1148R87	SAFE Cap 96S Fully Automatic 96-Channel for Internal Thread	1/ea
1148R88	SAFE Cap 96S Fully Automatic 96-Channel for External Thread	1/ea
22A00D347	SAFE Cap 48 Automated 48-Channel Capper/Decapper for SBS 48XT	1/ea

## SAFE® CAP SEMI-AUTOMATED 4, 6 & 8, CHANNEL DE-/CAPPERS FOR SCREW-CAPS

For internal thread tubes

- Mobile, battery-operated 4/6/8 channel decapper for table use
- Capping/Decapping 4/6/8 tubes at once
- Integrated dropping mechanism

For external thread tubes

- Semi-automated hand-held capper/decapper with ergonomic design
- Reliably decaps and caps eight tubes in parallel



1148R81

### SAFE CAP SEMI-AUTOMATIC 4, 6 & 8-CHANNEL DE-/CAPPER

Thomas No.	Description	Unit
1148R81	SAFE Cap 8S semi-automatic 8-channel decapper/capper for screw caps internal thread	1/ea
1148R82	SAFE Cap 8S semi-automatic 8-channel decapper/capper for screw caps external thread	1/ea
22A00H653	SAFE Cap semi-automated 6-channel decapper/capper for externally threaded tubes	1/ea
21A00M535	SAFE Cap semi-automatic 4-channel capper/decapper 24XT	1/ea



Inquire for complete list of cap driver cassettes.

22A00N533

## ALTECAP™ SWIFT AUTOMATED SCREW CAP DECAPPER

*Fast screw cap handling - Decap a full rack of 96 tubes in 10 seconds*

- Full rack capping and decapping
- Flexible - Easily switch between different tube & cap types
- Sample safety - Drip catcher prevents cross-contamination of samples during cap removal

### ALTECAP™ SWIFT AUTOMATED SCREW CAP DECAPPER

Thomas No.	Description	Unit
24A00C128	AlteCap™ Swift 96 DECAP, AlteTube cassette	1/ea
24A00C130	AlteCap™ Swift 48 DECAP, AlteTube cassette	1/ea
24A00C132	AlteCap™ Swift 24 DECAP, AlteTube cassette	1/ea
24A00C134	AlteCap™ Swift 96 CELL, AlteTube cassette	1/ea
24A00C136	AlteCap™ Swift 48 CELL, AlteTube cassette	1/ea
24A00C138	AlteCap™ Swift 24 CELL, AlteTube cassette	1/ea
24A00C143	AlteCap™ Swift 96 DETECT, AlteTube cassette	1/ea
24A00C145	AlteCap™ Swift 48 DETECT, AlteTube cassette	1/ea
24A00C147	AlteCap™ Swift 24 DETECT, AlteTube cassette	1/ea
22A00N534	AlteCap™ Swift cap driver cassette - 96 channel. Compatible with 96 SBS rack format AlteTubes - internal thread screw caps	1/ea



22A00N521

## ALTECAP™ SWITCH, SEMI-AUTOMATED DECAPPER

*The only decapper capable of switching between 6, 8 and 12 formats.*

Quickly cap, decap or recap tubes by column or row. Featuring interchangeable cap driver cassettes for easy processing of different screw cap tube types and tubes in 24, 48 or 96 SBS rack formats by the four-button control panel. Pre-set torque levels guarantee all tubes are capped precisely and securely every time.

### ALTECAP™ SWITCH SEMI-AUTOMATED SCREW CAP HANDLING

Thomas No.	Description	Unit
22A00N521	AlteCap™ Switch	1/ea

## MODULAR THAWING SYSTEM

- Fast results - Thaw up to 1000 samples in 9 minutes
- Heated model - Combines a 600W heating module with 7 turbo fans
- Flexible - Suitable for 96 well assay plates and racked tubes
- Integration friendly - Features a remote I/O for simple integration with automation

### MODULAR THAWING SYSTEM









Thomas No.	Description	Unit
23A00Q786	Standalone modular sample thawing system	1/ea
23A00Q787	AltemisLab thawing station - Module	1/ea



22A00N521





<b>AlteTube™</b> Superior quality 2D barcoded tubes to assist sample identification	Screw cap tubes in 96 SBS rack or large rack format			Screw cap tubes in 48 SBS rack or large rack format			Screw cap tubes in 24 SBS rack	
	 0.5ml Screw Cap	 0.75ml Screw Cap	 1.4ml Screw Cap	 1.2ml Screw Cap	 2ml Screw Cap	 5ml Screw Cap	 3ml Screw Cap	 6ml Screw Cap
Thread Type	Internal	External	External	External	External	External	External	External
Max working volume - ml	0.3	0.55	0.95	1.2	2.0	5.0	2.55	5.1
Min storage temperature - °C	-196	-196	-196	-196	-196	-196	-196	-196
Tube height - mm	20	29.5	45.6	41	47.5	84.9	28.3	45.5
Tube height with cap - mm	27	32.5	48.6	42.9	49.4	86.9	34.3	51.5
Inner tube Diameter - mm	6.8	6.5	6.5	9.62	9.62	9.62	13.7	13.7
Outer Diameter with cap - mm	8.4	8.5	8.5	12.3	12.3	12.3	16.8	16.8
Tube centre to centre - mm	9.0	9.0	9.0	13.5	13.5	13.5	18	18
Identification	D DataMatrix barcode on base			D DataMatrix barcode on base			2D DataMatrix barcode on base	
1D barcode and human readable number	No	Optional	Optional	Optional / 1.8ml : Yes			Yes	
2D DataMatrix barcode	White on black, 3mm x 3mm, 2 alpha prefix (AL) & 8 numeric Custom prefix available / Black on white available			White on black, 3mm x 3mm, 2 alpha prefix (AL) & 8 numeric Custom prefix available / Black on white available			White on black, 3mm x 3mm, 2 alpha prefix (AL) & 8 numeric Custom prefix available / Black on white available	
Capping options	Screw caps			Screw caps			Screw caps	
Sterility options	AlteClean/Sterile (E-Beam)/ Ethylene Oxide (EtO) on request			AlteClean/Sterile (E-Beam) / Ethylene Oxide (EtO) on request			AlteClean/Sterile (E-Beam)/ Ethylene Oxide (EtO) on request	
Rack format	8 x 12 - SBS (96 tubes) 14 x 14 (196 tubes)			8 x 12 - SBS (48 tubes) & 9x9 (81 tubes) 1.8ml Screw Cap: 10x10 (100 tubes)			4 x 6 - SBS (24 tubes)	
Rack material	Polypropylene base with polycarbonate lid			Polypropylene base with polycarbonate lid			Polypropylene base with polycarbonate lid	
SBS Rack height with lid - mm	31	38	51.5	47.6	54.1	91.8	37.9	55
Large format rack height with lid - mm	—	—	—	53	53	91	—	—
14 x 14 rack height with lid - mm	37.5	37.5	54.5	53	53	91	—	—
Case quantity	Bulk packed tubes, no cap – 960/case Bulk packed tubes, precapped – 960/case Racked tubes, no cap – 96/rack, 10 racks/case Racked tubes, precapped – 96/rack, 10 racks/case Bulk screw caps – 960/case Empty racks – 10 racks/case Cap carriers – 10 carriers/case			Bulk tubes, precapped – 480/case Racked tubes, precapped – 48/rack, 10 racks/case Empty SBS 48 racks – 10 racks/case Empty large format racks (9x9) – 1 rack/case Cap carriers – 10 carriers/case <b>1.8mL screw cap*</b> : Bulk tubes, precapped – 50/bag, 10 bags/case Empty large format racks (10x10) - 1 rack/case			Bulk packed tubes, no cap – 240/case Bulk packed tubes, precapped – 240/case Racked tubes, no cap – 24/rack, 10 racks/case Racked tubes, precapped – 24/rack, 10 racks/case Bulk screw caps – 240/case Empty racks – 10 racks/case	

## 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 LN<sup>2</sup> 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 5/16 x 10 3/16 x 5 7/8	617 x 259 x 149	4 x 2 = 8



## SMARTREADER™ MULTIMODE PLATE READER

*The Accuris SmartReader Multimode*

- Stand-alone system with optional PC software (FDA CFR Part 11)
- Monochromator-based system for UV through visible absorbance
- Filter module system for fluorescence assays
- Advanced PMT detector for luminescence assays
- Optional automatic injection modules for flash luminescence



23A00X419

Thomas No.	Description	Unit
23A00X419	SmartReader™ MultiMode Plate Reader, 115V	1/ea

## SMARTWASHER™ 96 MICROPLATE WASHER

*The Accuris SmartWasher 96*

- Auto rinse function eliminates cross contamination
- Up to 100 wash protocols can be customized and stored
- Liquid level sensors in wash and waste bottles
- Wash protocols can be transferred via flash drive



20A00R629

Thomas No.	Description	Unit
20A00R629	SmartWasher 96 microplate washer, 115V	1/ea
20A00R630	SmartWasher 96 microplate washer, 230V	1/ea

## SMARTREADER™ UV-VIS MICROPLATE READER

*A welcome addition to any lab*

- 10-inch, high resolution color touch screen
- Monochromator technology, no filters needed
- Wavelength range from 200nm to 1000nm
- Operates as a stand-alone system, with USB flash drive for data transfer



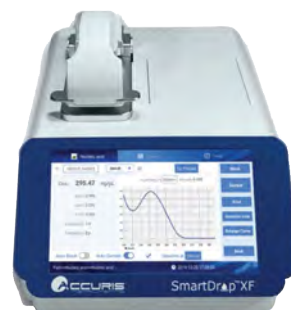
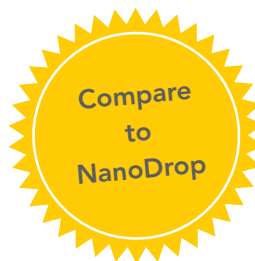
22A00A218

Thomas No.	Description	Unit
22A00A218	SmartReader UV-Vis Microplate Reader, 115V	1/ea
22A00A219	SmartReader UV-Vis Microplate Reader, 230V	1/ea

## SMARTDROP™ NANO SPECTROPHOTOMETER

*Ideal for basic DNA/RNA/protein quantification and purity*

- Quick and accurate results from a sample droplet (0.5 µL-2.0 µL)
- 7.0-inch color touch screen for operation (no PC software required)
- Multifunctional software for Nucleic Acids, Protein A280, Colorimetry, Fluorometer, UV-Vis & OD600 measurements



22A00F715

Thomas No.	Description	Unit
22A00F715	SmartDrop™ L Nano Spectrophotometer, 115V	1/ea
22A00F716	SmartDrop™ X Nano Spectrophotometer, 115V	1/ea
22A00F717	SmartDrop™ XF Nano Spectrophotometer, 115V	1/ea
22A00F718	High Sensitivity DNA Quantification Kit, 100 assays	100/pk
22A00F719	Broad Range DNA Quantification Kit, 100 assays	100/pk

# 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

## Genie Protocol Designer

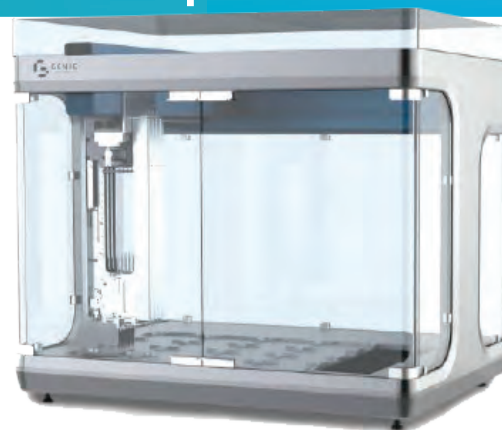
- Instrument agnostic
- Quickly build assays/applications
- Generate bill of materials and time estimates
- Easily simulate, run and validate protocols
- Autoconfiguration of settings

## Genie Systems Manager

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

## Genie Open API

- Easily integrate other LIMS applications to optimize testing and operations



Convenient.  
Reliable.  
Connected.



Three interchangeable heads allow for a pipetting range from 1.0  $\mu$ L to 1000  $\mu$ L. The AutoMATE 96 is compact enough to fit onto a standard lab bench or into a biosafety cabinet.

## Benchmark AutoMATE™ 96 Microplate Pipetting Workstation

- Fast & accurate 96-channel pipetting
- Accepts 96/384 well microplates, PCR plates & reservoirs
- Touch-screen tablet for programming & operation
- 4 -position motorized platform
- Exchangeable pipette heads (1-20  $\mu$ L, 5-200  $\mu$ L, 100-1000  $\mu$ L)

The **AutoMATE™ 96** from Accuris Instruments is a fully automated, high throughput liquid handling workstation that improves productivity. Capable of dispensing up to 96 channels simultaneously, the **AutoMATE 96** significantly reduces the processing time and errors associated with manual pipetting.

The included tablet features an intuitive app for programming and operation. Unlike many 96-well pipetting stations, the **AutoMATE 96** is “hands-free”, with motorized tip loading/ejection and a four position, automated, sliding platform that precisely aligns the tips with the appropriate microplate/reservoir. Once programmed, the instrument can run protocols to completion without any manual positioning or adjustment.

Thomas No.	Description	Unit
23A00A254	AutoMATE™ 96 Channel Pipetting Station, 115V (head not included)	1/ea
23A00A256	Pipetting Head for AutoMATE™, 1-20 $\mu$ l	1/ea
23A00A257	Pipetting Head for AutoMATE™, 5-200 $\mu$ l	1/ea
23A00A258	Pipetting Head for AutoMATE™, 10-1000 $\mu$ l	1/ea

**Thomas** BIO SOLUTIONS  
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