

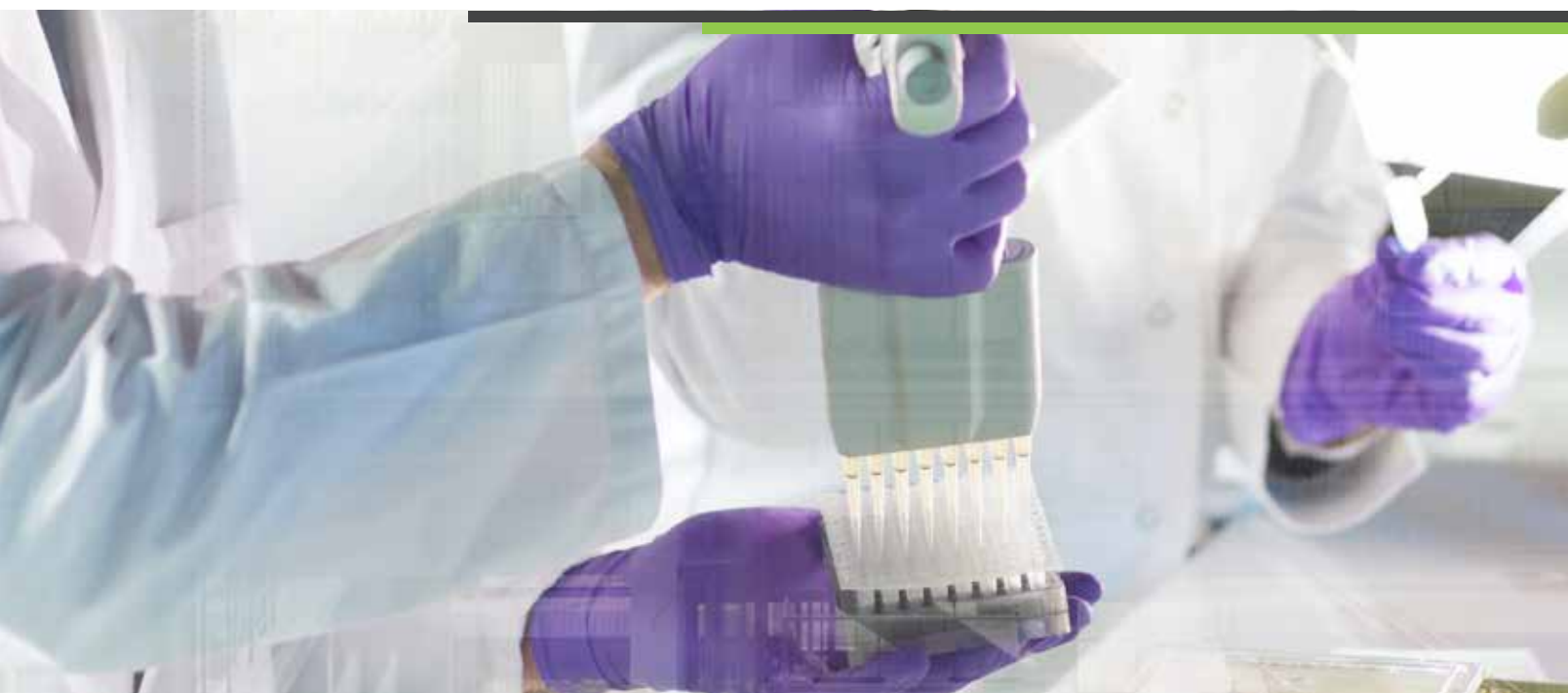


PEAK

BIO SOLUTIONS

a *Thomas Scientific, LLC* service

2020 AUTOMATION AND GENOMICS CATALOG



Thomas
Scientific

PEAK 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 PEAK 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

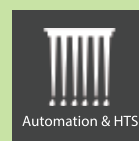
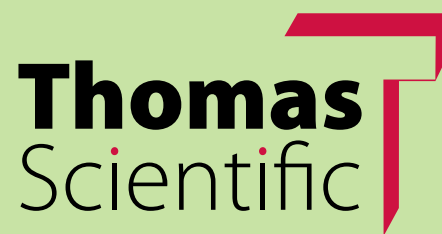
PEAK Bio Solutions is process-driven rather than catalog-driven. We talk with scientists to discover the best technical solutions for our customers' needs. We are always bringing in new products that provide innovative solutions that can help our customers streamline their productivity, allowing them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



Automation & HTS



2D Technology



Cell Culture



Cold Storage



Liquid Handling



PCR & Genomics

FEATURED PARTNERS:



- 4titude, Ltd.
- Click Bio, Inc.
- Excel Scientific, Inc.
- Innovative Laboratory Products, LLC
- Jellagen, Pty Ltd.
- LVL Technologies GmbH and Co. KG
- Meridian Life Sciences, Inc.
- NEST Scientific USA, Inc.
- Omega Bio-tek, Inc.
- Porvair Filtration Group, Ltd.
- Puritan Medical Products Company, LLC
- Scientific Specialties, Inc.
- Ziath, Ltd.

THOMAS SCIENTIFIC'S PEAK 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 PEAK 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

PEAK 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 PEAK Bio Solutions.

PEAK Bio Solutions evolved from the merging of Phenix Research Products and E&K Scientific. Thomas Scientific acquired Phenix Research Products and E&K Scientific in 2017 and 2018, respectively.



PEAK
BIO SOLUTIONS
a Thomas Scientific, LLC service

TO PLACE AN ORDER:

Phone: (800) 767-0665 North Carolina
(800) 934-8114 California
(800) 345-2100 New Jersey

Email: Value@ThomasSci.com

Web: ThomasSci.com

Mail: 1654 High Hill Road
Swedesboro, NJ 08085

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TECAN LIQUID HANDLING (LiHa) DISPOSABLE TIPS

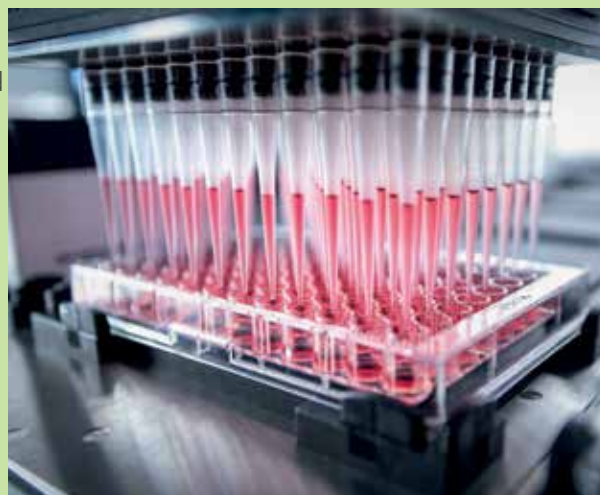
Reliable Assay Results and Maximized Productivity with Tecan Quality Tips



Tecan offers a wide range of disposable tips for use with the liquid handling arm of the Freedom EVO and the flexible channel arm (FCA) of the Fluent series instruments. Carefully designed and validated, these tips are produced to stringent standards of quality and reproducibility, ensuring reliable liquid handling performance.

Tecan disposable tips are available in three certified purity levels:

- **Tecan Standard** is supplied in space-saving cardboard packages
- **Tecan Pure** is packaged in blister packs and each lot of tips is tested and certified DNase, RNase, human DNA and PCR inhibitor free
- **Tecan Sterile** is tested on a lot-by-lot basis and certified DNase, RNase, human DNA and endotoxin free. Tecan Sterile tips are certified to be sterile and packaged in ANSI/SLAS-format boxes



See pages 43-45 for our selection of Tecan instruments including liquid handlers, readers/scanners and microplate washers.



30057817

TECAN STANDARD – STANDARD TRAY LiHa DISPOSABLE TIPS

Tecan No.	Description	Unit
10612552	200 µL LiHa Tip, 96-Hanging Format, Tecan Standard, Black	96/rk; 180 rks/cs
10612553	200 µL LiHa Tip, 96-Hanging Format, Tecan Standard, Filtered, Black	96/rk; 180 rks/cs
30126017	200 µL LiHa Tip, 96-Hanging Format, Tecan Standard, Clear	96/rk; 180 rks/cs
30126018	200 µL LiHa Tip, 96-Hanging Format, Tecan Standard, Filtered, Clear	96/rk; 180 rks/cs
10612554	1,000 µL LiHa Tip, 96-Hanging Format, Tecan Standard, Black	96/rk; 100 rks/cs
10612555	1,000 µL LiHa Tip, 96-Hanging Format, Tecan Standard, Filtered, Black	96/rk; 100 rks/cs
30126019	1,000 µL LiHa Tip, 96-Hanging Format, Tecan Standard, Clear	96/rk; 100 rks/cs
30126020	1,000 µL LiHa Tip, 96-Hanging Format, Tecan Standard, Filtered, Clear	96/rk; 100 rks/cs

TECAN PURE – STANDARD TRAY LiHa DISPOSABLE TIPS

Tecan No.	Description	Unit
30104803	10 µL LiHa Tip, 96-Hanging Format, Tecan Pure, Black	96/rk; 24 rks/cs
30104804	10 µL LiHa Tip, 96-Hanging Format, Tecan Pure, Filtered, Black	96/rk; 24 rks/cs
30032115	50 µL LiHa Tip, 96-Hanging Format, Tecan Pure, Black	96/rk; 24 rks/cs
30032114	50 µL LiHa Tip, 96-Hanging Format, Tecan Pure, Filtered, Black	96/rk; 24 rks/cs
30126096	50 µL LiHa Tip, 96-Hanging Format, Tecan Pure, Clear	96/rk; 24 rks/cs
30126097	50 µL LiHa Tip, 96-Hanging Format, Tecan Pure, Filtered, Clear	96/rk; 24 rks/cs
30000627	200 µL LiHa Tip, 96-Hanging Format, Tecan Pure, Black	96/rk; 24 rks/cs
30000629	200 µL LiHa Tip, 96-Hanging Format, Tecan Pure, Filtered, Black	96/rk; 24 rks/cs
30000630	1,000 µL LiHa Tip, 96-Hanging Format, Tecan Pure, Black	96/rk; 24 rks/cs
30000631	1,000 µL LiHa Tip, 96-Hanging Format, Tecan Pure, Filtered, Black	96/rk; 24 rks/cs

TECAN DiTi EMPTY BOX

Tecan offers two ANSI/SLAS footprint empty tip boxes to place the ANSI/SLAS-format refill insert tips in.



Tecan No.	Description	Unit
30058506	Small Box for 10/50/200 µL Tip Inserts	10/cs
30058507	Big Box for 1,000 µL Tip Inserts	10/cs

TECAN PURE – ANSI/SLAS-FORMAT BOX LiHa DISPOSABLE TIPS

- Empty boxes to place the refill tips in are sold separately

Tecan No.	Description	Unit
30104973	10 µL LiHa Tip, ANSI Format Refill Insert, Tecan Pure, Black	96/rk; 24 rks/cs
30104974	10 µL LiHa Tip, ANSI Format Refill Insert, Tecan Pure, Filtered, Black	96/rk; 24 rks/cs
30057811	50 µL LiHa Tip, ANSI Format Refill Insert, Tecan Pure, Black	96/rk; 24 rks/cs
30057813	50 µL LiHa Tip, ANSI Format Refill Insert, Tecan Pure, Filtered, Black	96/rk; 24 rks/cs
30057814	200 µL LiHa Tip, ANSI Format Refill Insert, Tecan Pure, Black	96/rk; 24 rks/cs
30057815	200 µL LiHa Tip, ANSI Format Refill Insert, Tecan Pure, Filtered, Black	96/rk; 24 rks/cs
30057816	1,000 µL LiHa Tip, ANSI Format Refill Insert, Tecan Pure, Black	96/rk; 24 rks/cs
30057817	1,000 µL LiHa Tip, ANSI Format Refill Insert, Tecan Pure, Filtered, Black	96/rk; 24 rks/cs
30059897	5,000 µL LiHa Tip, ANSI Format Box (24 Tips), Tecan Pure, Black	96/bx; 10 bxs/cs
30065423	5,000 µL LiHa Tip, ANSI Format Box (24 Tips), Tecan Pure, Filtered, Black	96/bx; 10 bxs/cs

TECAN STERILE – ANSI/SLAS-FORMAT BOX LiHa DISPOSABLE TIPS

Tecan No.	Description	Unit
30104975	10 µL LiHa Tip, ANSI Format Box, Tecan Sterile, Black	96/rk; 40 rks/cs
30104976	10 µL LiHa Tip, ANSI Format Box, Tecan Sterile, Filtered, Black	96/rk; 40 rks/cs
30057818	50 µL LiHa Tip, ANSI Format Box, Tecan Sterile, Black	96/rk; 40 rks/cs
30057819	50 µL LiHa Tip, ANSI Format Box, Tecan Sterile, Filtered, Black	96/rk; 40 rks/cs
30057820	200 µL LiHa Tip, ANSI Format Box, Tecan Sterile, Black	96/rk; 40 rks/cs
30057821	200 µL LiHa Tip, ANSI Format Box, Tecan Sterile, Filtered, Black	96/rk; 40 rks/cs
30057822	1,000 µL LiHa Tip, ANSI Format Box, Tecan Sterile, Black	96/rk; 40 rks/cs
30057823	1,000 µL LiHa Tip, ANSI Format Box, Tecan Sterile, Filtered, Black	96/rk; 40 rks/cs
30059898	5,000 µL LiHa Tip, ANSI Format Box (24 Tips), Tecan Sterile, Filtered, Black	96/bx; 40 bxs/cs

TECAN NESTED LiHa DISPOSABLE TIPS

Tecan No.	Description	Unit
30104977	10 µL LiHa Tip, Nested 5-Stack Format, Tecan Pure, Black	96/rk; 80 rks/cs
30104978	10 µL LiHa Tip, Nested 5-Stack Format, Tecan Pure, Filtered, Black	96/rk; 80 rks/cs
30104979	10 µL LiHa Tip, Nested 5-Stack Format, Tecan Sterile, Filtered, Black	96/rk; 80 rks/cs
30083400	350 µL LiHa Tip, Nested 5-Stack Format, Tecan Pure, Black	96/rk; 80 rks/cs
30083401	350 µL LiHa Tip, Nested 5-Stack Format, Tecan Sterile, Black	96/rk; 80 rks/cs

MCA 96/384 NESTED DISPOSABLE TIPS

TECAN MCA 96 SINGLE STACK DISPOSABLE TIPS

Tecan No.	Description	Unit
30038606	50 µL MCA 96 Tip, ANSI Format Box, Tecan Pure, Clear	96/bx; 40 bxs/cs
30038607	50 µL MCA 96 Tip, ANSI Format Box, Tecan Sterile, Clear	96/bx; 40 bxs/cs
30038608	50 µL MCA 96 Tip, ANSI Format Box, Tecan Sterile, Filtered, Clear	96/bx; 40 bxs/cs
30038611	100 µL MCA 96 Tip, ANSI Format Box, Tecan Pure, Clear	96/bx; 40 bxs/cs
30038612	100 µL MCA 96 Tip, ANSI Format Box, Tecan Sterile, Clear	96/bx; 40 bxs/cs
30038613	100 µL MCA 96 Tip, ANSI Format Box, Tecan Sterile, Filtered, Clear	96/bx; 40 bxs/cs
30038616	200 µL MCA 96 Tip, ANSI Format Box, Tecan Pure, Clear	96/bx; 40 bxs/cs
30038617	200 µL MCA 96 Tip, ANSI Format Box, Tecan Sterile, Clear	96/bx; 40 bxs/cs
30038618	200 µL MCA 96 Tip, ANSI Format Box, Tecan Sterile, Filtered, Clear	96/bx; 40 bxs/cs
30046341	500 µL MCA 96 Tip, ANSI Format Box, Tecan Pure, Clear	96/bx; 50 bxs/cs
30046342	500 µL MCA 96 Tip, ANSI Format Box, Tecan Sterile, Filtered, Clear	96/bx; 40 bxs/cs

TECAN MCA 96 NESTED DISPOSABLE TIPS

Tecan No.	Description	Unit
30038610	50 µL MCA 96 Tip, Nested 10-Stack Format, Tecan Pure, Clear	96/rk; 80 rks/cs
30038609	50 µL MCA 96 Tip, Nested 8-Stack Format, Tecan Pure, Clear	96/rk; 40 rks/cs
30048822	50 µL MCA 96 Tip, Nested 8-Stack Format, Tecan Sterile, Clear	96/rk; 40 rks/cs
30038614	100 µL MCA 96 Tip, Nested 8-Stack Format, Tecan Pure, Clear	96/rk; 40 rks/cs
30048823	100 µL MCA 96 Tip, Nested 8-Stack Format, Tecan Sterile, Clear	96/rk; 40 rks/cs
30038620	200 µL MCA 96 Tip, Nested 10-Stack Format, Tecan Pure, Clear	96/rk; 80 rks/cs
30038619	200 µL MCA 96 Tip, Nested 8-Stack Format, Tecan Pure, Clear	96/rk; 40 rks/cs
30048824	200 µL MCA 96 Tip, Nested 8-Stack Format, Tecan Sterile, Clear	96/rk; 40 rks/cs

TECAN MCA 384 SINGLE STACK DISPOSABLE TIPS

Tecan No.	Description	Unit
30138080	15 µL MCA 384 Tip, ANSI Format Box, Tecan Pure, Clear	384/bx; 40 bxs/cs
30051803	15 µL MCA 384 Tip, ANSI Format Box, Tecan Sterile, Clear	384/bx; 40 bxs/cs
30051804	15 µL MCA 384 Tip, ANSI Format Box, Tecan Sterile, Filtered, Clear	384/bx; 40 bxs/cs
30138087	50 µL MCA 384 Tip, ANSI Format Box, Tecan Pure, Clear	384/bx; 40 bxs/cs
30051806	50 µL MCA 384 Tip, ANSI Format Box, Tecan Sterile, Clear	384/bx; 40 bxs/cs
30051807	50 µL MCA 384 Tip, ANSI Format Box, Tecan Sterile, Filtered, Clear	384/bx; 40 bxs/cs
30138090	125 µL MCA 384 Tip, ANSI Format Box, Tecan Pure, Clear	384/bx; 40 bxs/cs
30051809	125 µL MCA 384 Tip, ANSI Format Box, Tecan Sterile, Clear	384/bx; 40 bxs/cs
30051810	125 µL MCA 384 Tip, ANSI Format Box, Tecan Sterile, Filtered, Clear	384/bx; 40 bxs/cs



30104976



30083400



30038614



1208N80



1209A53

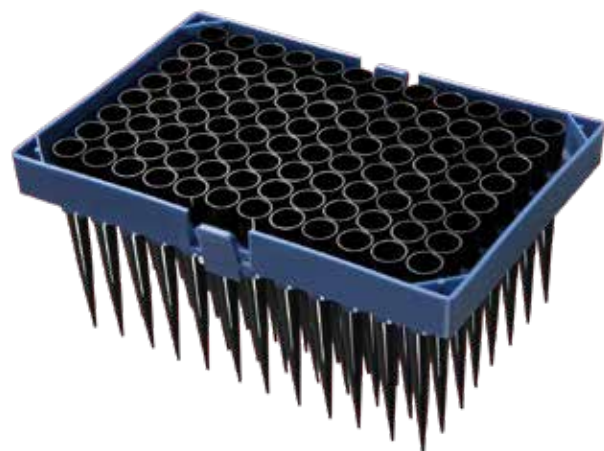


1209A54



1208N87

*Not to scale



1208N85

HAMILTON®-STYLE ROBOTIC TIPS

Compatible with STAR, STARlet, STARplus and Nimbus®

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

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

10 µL HANGING TIP RACKS

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

50 µL HANGING TIP RACKS

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

300 µL HANGING TIP RACKS

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

1,000 µL HANGING TIP RACKS

Thomas No.	Description	Unit
1208N87	1,000 µL Hamilton CO-RE-Style Tip, 96-Format, Racked, Sterile	96/rk, 16 rks/cs
1208N88	1,000 µL Hamilton CO-RE-Style Tip, 96-Format, Racked, Filtered, Sterile	96/rk, 16 rks/cs



1209N90



1208N94



1208N98



*Not to scale

HAMILTON-STYLE ROBOTIC TIPS

DECK-SEATING NESTED TIP RACKS

4 nested racks/pack, 30 packs/case

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

AGILENT®-STYLE ROBOTIC TIPS

Compatible with Velocity11 VPrep® and Bravo

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

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

96-WELL FORMAT AGILENT-STYLE ROBOTIC TIPS

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

384-WELL FORMAT AGILENT-STYLE ROBOTIC TIPS

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

AXYGEN
A Corning Brand



1222A42



1222A50



1222A47



1222A57



1222A53



1222A50



1190X44

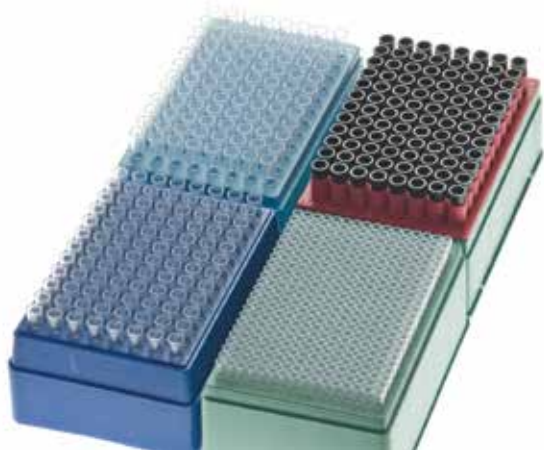
*Not to scale



PERKIN ELMER/ZYMARK®/CALIPER-STYLE ROBOTICS TIPS

Compatible with RapidPlate® and SciClone® Workstations

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



PERKIN ELMER/ZYMARK/CALIPER-STYLE ROBOTICS TIPS

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



1176C13



1176C14



1176C15



1176C16

*Not to scale

AGILENT®-STYLE ROBOTIC TIPS (aTIP™)

Compatible with Agilent/Velocity 11 VPrep and Bravo

- No changes in programming scripts necessary
- Certified DNase, RNase, human DNA and pyrogen free
- Available in non-sterile or pre-sterile formats
- Each lot has such a low coefficient of variation that we print them directly on the box for your reference
- Manufactured with Biotix X-Resin – a proprietary resin that is proven to reduce sample retention
- FlexFit technology ensures a secure seal
- Each 384-tip rack comes with Statix® technology – a copper grounding tab combined with a conductive pillow and snapcard that prevents and displaces static

AGILENT-STYLE ROBOTIC TIPS (aTIP)

Thomas No.	Description	Unit
1176C14	15 µL aTIP, 384-Format, Racked, Filtered, Pre-Sterilized	10 rks/pk; 5 pks/cs
1176C13	30 µL aTIP, 384-Format, Racked, Pre-Sterilized	10 rks/pk; 5 pks/cs
1176C17	30 µL aTIP, 384-Format, Racked, Pre-Sterilized, Black	10 rks/pk; 5 pks/cs
1176C15	70 µL aTIP, 384-Format, Racked, Pre-Sterilized	10 rks/pk; 5 pks/cs
1176C16	70 µL aTIP, 384-Format, Racked, Filtered, Pre-Sterilized	10 rks/pk; 5 pks/cs



BECKMAN BIOMEK®-STYLE ROBOTIC TIPS

Compatible with Biomek FX, NX and 3000 Platforms

- Compatible with the AP96 liquid handling head
- Span-8 compatible
- No setup necessary – use existing tip definitions
- Lot by lot functional testing on Biomek FX / NX liquid handler
- Sturdy, non-bowing racks
- Certified DNase, RNase, human DNA and PCR inhibitor free
- Sterile racks are also pyrogen-free

20 µL, BLUE RACK

Thomas No.	Description	Unit
1148C12	20 µL Biomek FX-Type Tip, 96-Format, Racked	10 rks/pk; 5 pks/cs
1148C13	20 µL Biomek FX-Type Tip, 96-Format, Racked, Sterile	10 rks/pk; 5 pks/cs
1159V56	20 µL Biomek FX-Type Tip, 96-Format, Racked, Filtered, Sterile	10 rks/pk; 5 pks/cs
1148C14	20 µL Biomek FX-Type Tip, Ecopac 96 Refillable Rack	10 rks/pk; 5 pks/cs
1148C15	20 µL Biomek FX-Type Tip, Ecopac 96 Refill Stack	10 rks/pk; 5 pks/cs



1148C12



1148C24

50 µL, ORANGE RACK

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



1148C19

250 µL, GREEN RACK

Thomas No.	Description	Unit
1148C19	250 µL Biomek FX-Type Tip, 96-Format, Racked	10 rks/pk; 5 pks/cs
1148C21	250 µL Biomek FX-Type Tip, 96-Format, Racked, Sterile	10 rks/pk; 5 pks/cs
1159V60	250 µL Biomek FX-Type Tip, 96-Format, Racked, Filtered, Sterile	10 rks/pk; 5 pks/cs
1148C22	250 µL Biomek FX-Type Tip, Ecopac 96 Refillable Rack	10 rks/pk; 5 pks/cs
1148C23	250 µL Biomek FX-Type Tip, Ecopac 96 Refill Stack	10 rks/pk; 5 pks/cs



1148C28

30 µL, WHITE RACK

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

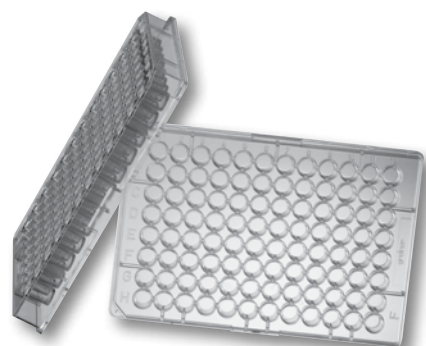


MICROPLATES IN ALL STYLES

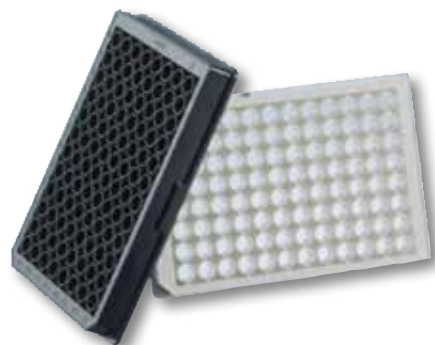
The PEAK Bio Solutions service of Thomas Scientific specializes in both manual and automated workflows using microtiter plates. We carry plates from most manufacturers including Corning, Greiner and Agilent.

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

All plates can usually be custom-coated/treated and barcoded. Contact us for more information at (800) 345-2100.



1184P95

1184J52
1184J53

1184P55

ADVANCED TC™ MICROPLATES

An Innovative Product for the Cultivation of Fastidious Cells

- Optimized cell adherence
- Increased cell yield
- Lid included
- White and black plates are designed to reduce well-to-well crosstalk during fluorescent/luminescent assays
- μ Clear® 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 μ Clear Bottom, Chimney Style, White, Sterile	8/pk; 32/cs
1184J53	96-Well Plate, Flat μ Clear Bottom, Chimney Style, Black, Sterile	8/pk; 32/cs
1184J54	96-Well Plate, Half-Area, Flat μ Clear Bottom, Chimney Style, White, Sterile	8/pk; 32/cs
1184J55	96-Well Plate, Half-Area, Flat μ Clear Bottom, Chimney Style, Black, Sterile	8/pk; 32/cs
1184P70	384-Well Plate, Flat μ Clear Bottom, Chimney Style, White, Sterile	8/pk; 32/cs
1184P71	384-Well Plate, Flat μ Clear Bottom, Chimney Style, Black, Sterile	8/pk; 32/cs

UV-STAR® MICROPLATES

Expanded Optical Window Down to 230 nm

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

UV-STAR MICROPLATES

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

CLEAR ASSAY PLATES

96-WELL CLEAR POLYSTYRENE ASSAY PLATES

Thomas No.	Description	Unit
1184P89	Flat Bottom	10/pk; 100/cs
1184J48	Flat Bottom, Sterile	2/pk; 100/cs
1184Q01	Flat Bottom, Chimney Style, MICROLON® 600, High Bind, Sterile	10/pk; 40/cs
1184Q11	Half-Area, Flat Bottom, Chimney Style, MICROLON 600, High Bind, Sterile	10/pk; 40/cs
1184P86	Round Bottom	10/pk; 100/cs
1184J43	Round Bottom, Sterile	2/pk; 100/cs
1184P88	Conical Bottom	10/pk; 100/cs
1184J46	Conical Bottom, Sterile	2/pk; 100/cs

384-WELL CLEAR POLYSTYRENE ASSAY PLATES

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

WHITE AND BLACK ASSAY PLATES

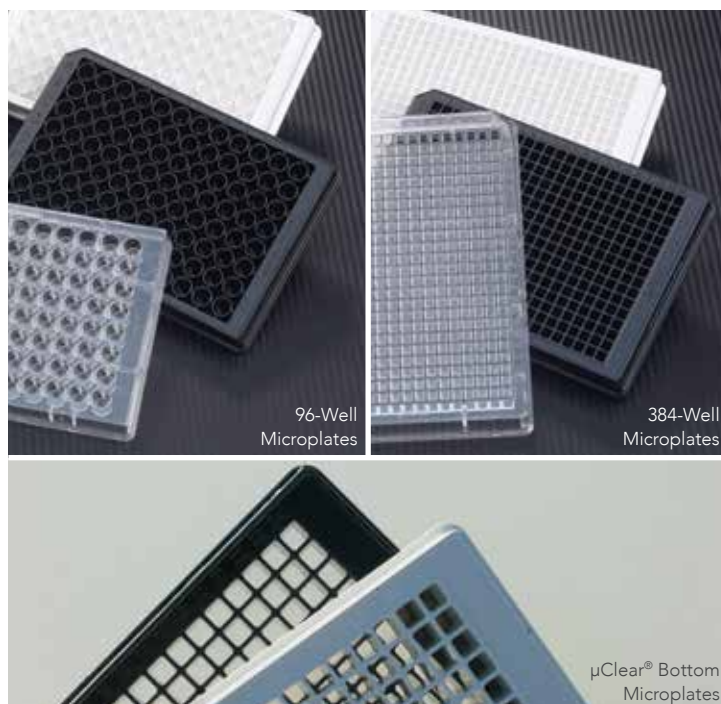
- White and black plates are designed to reduce well-to-well cross-talk during fluorescent/luminescent assays
- µClear® microplates feature a clear film bottom

96-WELL WHITE POLYSTYRENE ASSAY PLATES

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

384-WELL WHITE POLYSTYRENE ASSAY PLATES

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



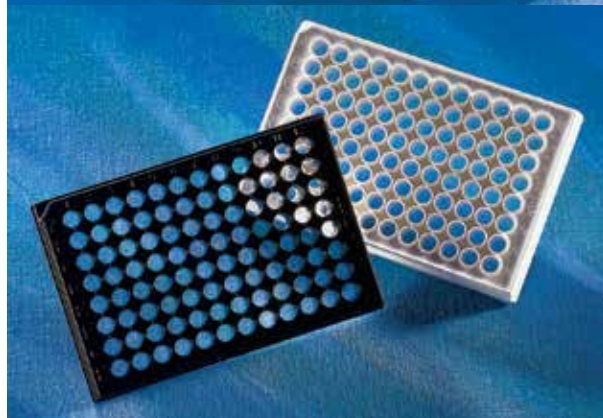
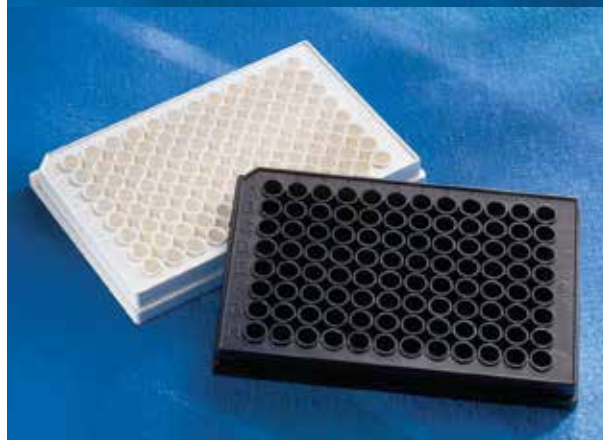
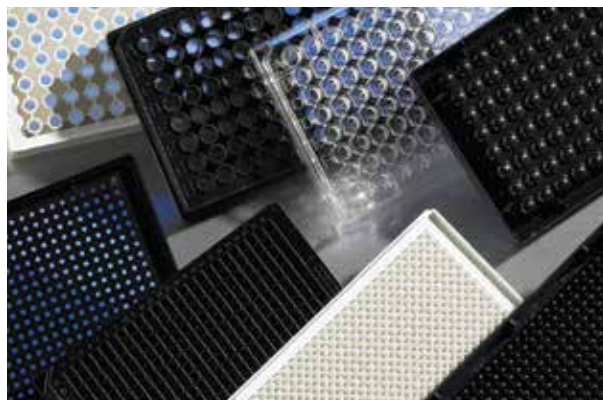
96-WELL BLACK POLYSTYRENE ASSAY PLATES

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

384-WELL BLACK POLYSTYRENE ASSAY PLATES

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

CORNING



CORNING® 96/384-WELL MICROPLATES

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

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

96-WELL CLEAR POLYSTYRENE MICROPLATES

- Cell culture microplates are sterile and nonpyrogenic

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

96-WELL SOLID BLACK/WHITE POLYSTYRENE MICROPLATES

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

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

96-WELL CLEAR BOTTOM BLACK/WHITE POLYSTYRENE MICROPLATES

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

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

CORNING

384-WELL CLEAR POLYSTYRENE MICROPLATES

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

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

384-WELL SOLID BLACK/WHITE POLYSTYRENE MICROPLATES

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

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

384-WELL CLEAR BOTTOM BLACK/WHITE POLYSTYRENE MICROPLATES

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

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

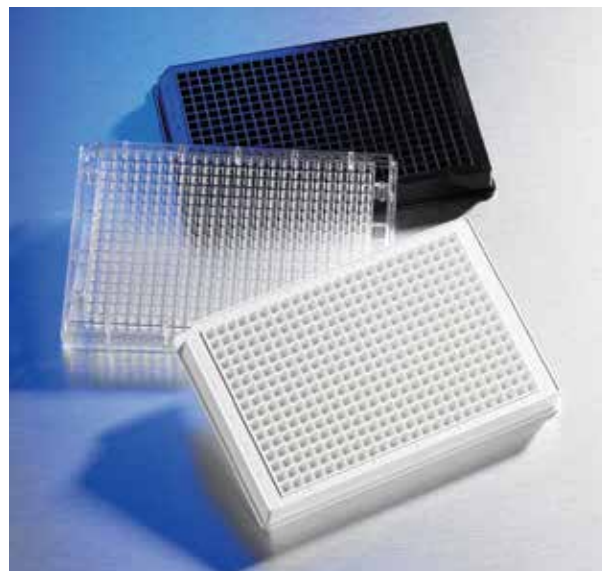
CORNING® SPHEROID MICROPLATES

Ideal for Generating and Analyzing 3D Multicellular Spheroids

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

96 AND 384-WELL SPHEROID MICROPLATES

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





1167W15



1167W07



1167W11

KRYSTAL™ CLEAR BOTTOM ASSAY PLATES

Optimized for Fluorescence and Luminescence Assays

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

24-WELL PLATES

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

96-WELL PLATES

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

384-WELL PLATES

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

AURORA BLACK COP ASSAY PLATES

High Performance Microplates for Discovery Sciences

- Made with 100% cyclo-olefin polymer (COP) materials
- ANSI/SLAS standard footprint
- High light transmittance and low auto-fluorescence
- Broad chemical resistance and biocompatibility
- Thermal and mechanical stability
- No protein binding – TC-treated plates also available
- Alphanumeric barcoded – custom barcoding also available
- Low evaporation lids available

384-WELL COP ASSAY PLATES, BLACK

Thomas No.	Description	Unit
1147H87	384-Well Round Well Plate, Low Dead Volume, Solid Bottom	40/cs
1147H88	384-Well Square Well Plate, Ultra Low Base, No Evaporation Barrier, 188 μ M Film Bottom	40/cs
1147H89	384-Well Square Well Plate, Low Base, No Evaporation Barrier, 188 μ M Film Bottom	40/cs

1,536-WELL COP ASSAY PLATES, BLACK

Thomas No.	Description	Unit
1147H90	1,536-Well Square Well Plate, Low Base, No Evaporation Barrier, 188 μ M Film Bottom	40/cs
1147H91	1,536-Well Square Well Plate, High Base, No Evaporation Barrier, 100 μ M Film Bottom	40/cs
1147H92	1,536-Well Square Well Plate, Ultra Low Base, 188 μ M Film Bottom	40/cs



1147H87



*All Aurora microplates are available in black, white or clear

AGILENT TECHNOLOGIES FILTER PLATES

Ideal for Sample Collection, Preparation and Storage



Agilent Technologies

Agilent filtration plates come in a wide range of filtration media and they are all suitable for vacuum/positive pressure manifolds or centrifugation.

4-well configurations (140 μ L to 15 mL/well) are also available.

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

24-WELL FILTER PLATES

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



1149P95

48-WELL FILTER PLATES

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



1149Q63

96-WELL SMALL VOLUME FILTER PLATES

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



1149Q49

96-WELL LARGE VOLUME FILTER PLATES

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



1149Q09

384-WELL FILTER PLATES

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



Agilent Technologies

AGILENT AUTOMATION RESERVOIRS

Specialized Reservoirs Simplify Small Volume Transfers

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

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

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



1149Q22



1149Q23



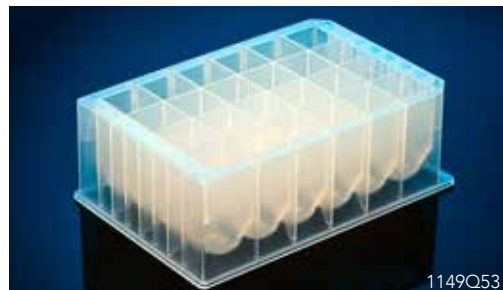
1149Q24



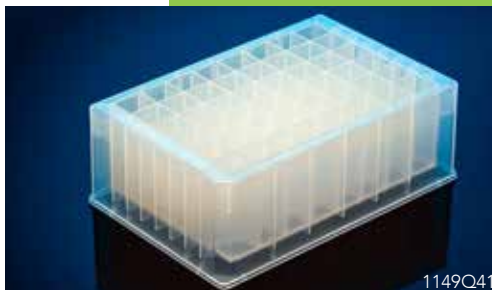
1149Q29



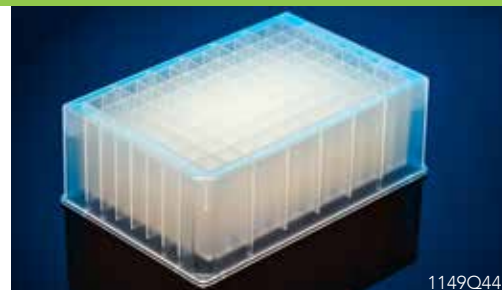
1149J12



1149Q53



1149Q41



1149Q44

AGILENT STORAGE PLATES

For Mixing, Sample Collection and Long Term Storage

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

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

24-WELL STORAGE PLATES

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

48-WELL STORAGE PLATES

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

96-WELL STORAGE PLATES

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

* Made from ultra-high pure polypropylene

384-WELL STORAGE PLATES

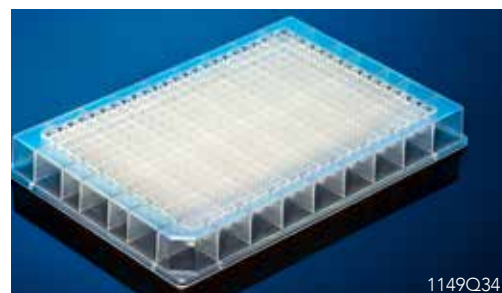
Thomas No.	Description	Unit
1149Q34	384-Well Square Well Plate, 58 μ L, Spherical Bottom, Height: 14.5 mm	60/cs



1149Q18



1149Q64



1149Q34



Agilent Technologies



1149Q15



1149Q16



1149Q57



**Innovative
Laboratory
Products, LLC**

ILP STORAGE PLATES

Value Option for Assays, Magnetic Beads and Sample Storage

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

24-WELL STORAGE PLATES

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

48-WELL STORAGE PLATES

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

96-WELL SQUARE WELL STORAGE PLATES

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

96-WELL COMPOUND STORAGE PLATES

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

96-WELL ROUND WELL STORAGE PLATES

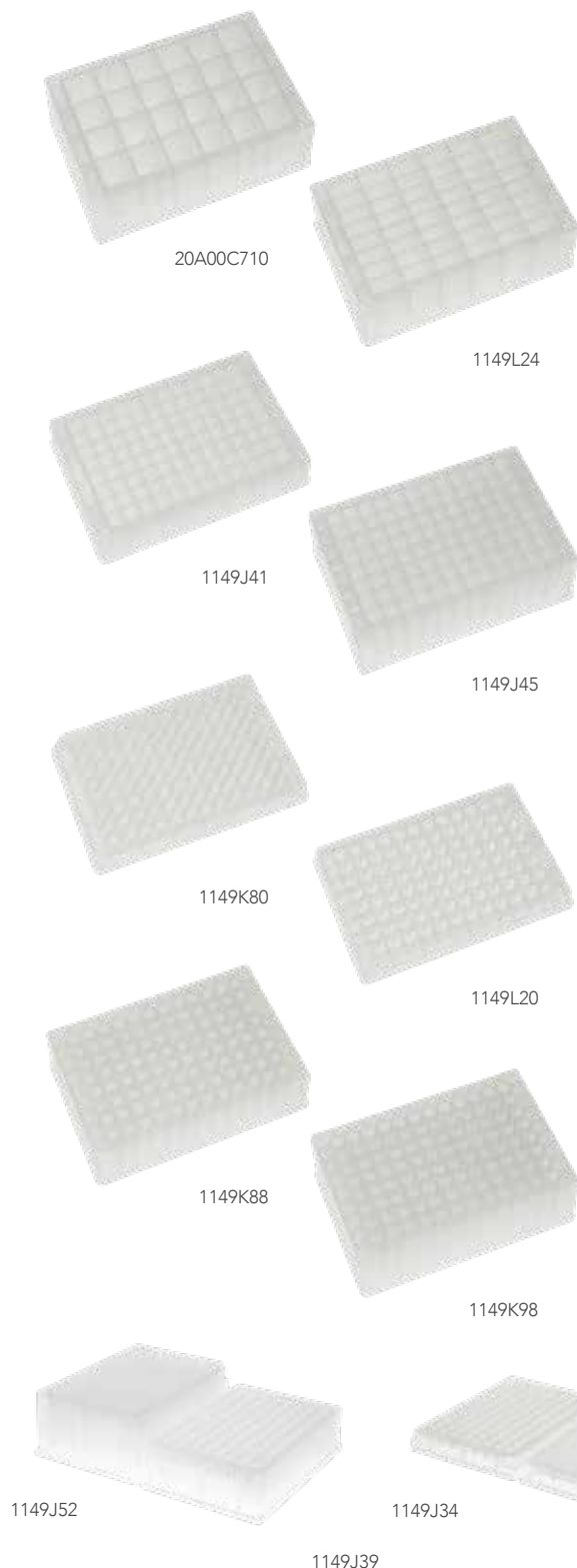
Thomas No.	Description	Unit
1149K88	96-Well, Round Well Plate, 700 µL, U-Bottom, Well Ø: 7.0 mm, Height: 33.0 mm	50/cs
1149K98	96-Well, Round Well Plate, 1.3 mL, Conical V-Bottom, Well Ø: 7.4 mm, Height: 40.6 mm	50/cs

96-WELL SHARED WALL STORAGE PLATES

Thomas No.	Description	Unit
1149J34	96-Well, Round Well Plate, 480 µL, Conical V-Bottom, Well Ø: 8.5 mm, Height: 14.4 mm	100/cs
1149J36	96-Well, Round Well Plate, 500 µL, U-Bottom, Well Ø: 8.5 mm, Height: 14.4 mm	100/cs
1149J39	96-Well, Round Well Plate, 1.2 mL, U-Bottom, Well Ø: 8.5 mm, Height: 31.5 mm	50/cs
1149J52	96-Well, Round Well Plate, 2.0 mL, U-Bottom, Well Ø: 8.5 mm, Height: 45.3 mm	50/cs

384-WELL STORAGE PLATES

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



ILP SILICONE SEALING MATS

For Use with Assay and Storage Plates

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



**Innovative
Laboratory
Products, LLC**

96-WELL ROUND WELL SILICONE SEALING MATS

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

96-WELL SQUARE WELL SILICONE SEALING MATS

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

24, 48 and 384-WELL SILICONE SEALING MATS

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



ILP PLATES FOR KINGFISHER™ FLEX SYSTEM

Ideal for Automated Magnetic Bead-Based Separation

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

96-WELL PLATES FOR THE KINGFISHER FLEX SYSTEM

Thomas No.	Description	Unit
1144A71*	96-Well Plate, Square Top, Round Bottom, 200 µL, Height: 14.4 mm	50/cs
1144A72*	96-Well Plate, Square Top, Round V-Bottom, 2.0 mL, Height: 41.6 mm	50/cs
1144A73	24-Well Square Well Plate, 5.0 mL, U-Bottom, Height: 44.0 mm	50/cs

* Also available in sterile





1149J82



1149J81



1149J84

DEEP WELL PLATES

Ideal for Sample Collection, Preparation and Storage

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

ROUND WELL PLATES

- 20% larger well for maximum capacity and space saving

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

SQUARE WELL PLATES

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



ULTRAVAP® MISTRAL

Fully Liquid Handling Robot-Compatible Dry Down Station

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

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

ULTRAVAP MISTRAL BLOWDOWN EVAPORATOR

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



1169K10

CLICKBIO VBLOK200 RESERVOIRS

The VBLOK200 can be used as a standard reservoir or as a collection plate that fits almost any microplate for centrifuging.

- 250 mL volume, (283 mL max)
- High capacity – low dead volume (less than 1 mL)
- Optimized for 8-channel
- Pooling reservoir

VBLOK200 RESERVOIRS

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



CLICKBIO MEDIA FILL STATION

A liquid handler compatible solution that provides a larger volume of cell culture media and other reagents. It's easy to set up, break down and to run aseptically.

- Peristaltic pump guarantees a completely disposable fluid path
- Non-contact density sensors and SBS/SLAS geometries allow for easy integration
- Active overflow evacuation greatly reduces the potential of overflow
- Reverse function for end of day container emptying

MEDIA FILL STATION

Thomas No.	Description	Unit
19A00M041	Media Fill Station	1/ea



BENCHTOP PIPETTOR

Innovative, Easy-to-Use, Advanced Benchtop Pipettor

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

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





JELLYFISH COLLAGEN COATED PLATES

For Improved Adhesion, Growth and Differentiation

- Viable alternative to mammalian and synthetic reagents
- Provides consistent and repeatable results
- Compatible with all existing cell culture protocols
- Manufactured according to ISO13485
- 1 year of shelf life at room temperature
- Individually packaged to avoid waste

JELLYFISH COLLAGEN COATED TC PLATES

Thomas No.	Description	Unit
1141Q14	96-Well Jellyfish Collagen Coated TC Plate	1/pk; 5/bx
1141Q15	24-Well Jellyfish Collagen Coated TC Plate	1/pk; 5/bx

JELLYFISH COLLAGEN 3D SCAFFOLDS

For In Vitro Cell Culture and Tissue Engineering

- Viable alternative to mammalian and synthetic reagents
- Provides consistent and repeatable results
- Enhanced mechanical and thermal stability, resorbable *in vivo*
- Applications for multiple cell types and regenerative medicine
- Uniform pore size promotes cell seeding, invasion, proliferation and differentiation and allows for growth factor permeation and gas exchange, ensuring long term cell survival
- Natural scaffold exhibits similar physiological components and properties to the ECM of the *in vivo* micro-environment.

JELLYFISH COLLAGEN 3D SCAFFOLDS

Thomas No.	Description	Unit
1141Q07	Filled 96-Well Plate	1/pk
1141Q08	Half-Filled 96-Well Plate (48 Scaffolds)	1/pk
1141Q09	Quarter-Filled 96-Well Plate (24 Scaffolds)	1/pk
1141Q10	Filled 48-Well Plate	1/pk
1141Q11	Filled 24 Well Plate	1/pk
1141Q12	Half-Filled 24-Well Plate (12 Scaffolds)	1/pk
1141Q13	Filled 6-Well Plate	1/pk

JELLAGEL™

Next generation jellyfish collagen hydrogel for *in vitro* cell culture and tissue engineering. A completely natural and non-mammalian alternative to mammalian and synthetic hydrogels. Manufactured according to ISO13485

Thomas No.	Description	Unit
1139B04	20 mL Jellyfish Collagen Hydrogel	1/ea
1139B05	100 mL Jellyfish Collagen Hydrogel	1/ea



EASY-TO-PIERCE FOIL

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

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

EASY-TO-PIERCE FOIL

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

CHEMICAL RESISTANT FOIL

- Excellent chemical resistance (i.e. DMSO)

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

INCUBATION FILM

For ELISA, Incubation and General Use

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

INCUBATION FILM

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

BREATHABLE FILM

For Cell, Tissue and Bacterial Cultures

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

BREATHABLE FILM

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



CLEAR POLYESTER FILM

For PCR, qPCR (Real-Time) 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 POLYOLEFIN FILM

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

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

OPTICALLY CLEAR POLYOLEFIN FILM

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



A4S™ AUTOMATIC HEAT SEALER

The Perfect Solution for Automated Heat Sealing

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



A4S AUTOMATIC ROLL HEAT SEALER

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

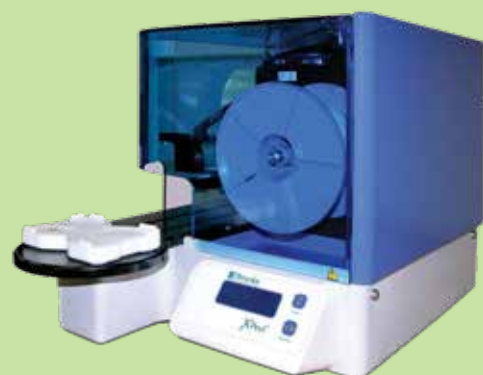
4s3™ SEMI-AUTOMATIC SHEET HEAT SEALER

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



4s3 SEMI-AUTOMATIC HEAT SEALER

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



XPEEL® PLATE SEAL REMOVER

Automatically Removes Seals from Most Microplates

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

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

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

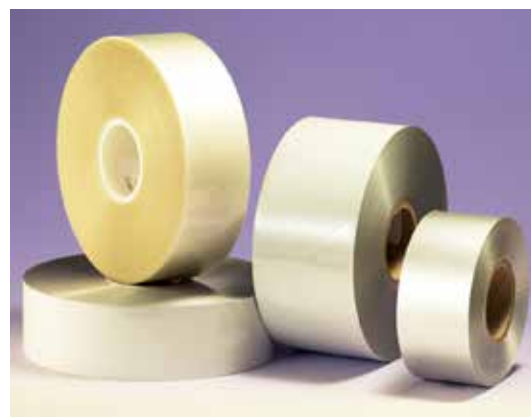
HEAT SEALS

Prevent Sample Loss and Maximize Sample Security

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

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

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



Thomas No.	Unit	Heat Seal	Description	Temperature Range	Applications
1149T22	ALPS/a4S-Style, 500 m	Clear Seal	Clear Polymer Forming a Peelable Seal to PP, PE, PS, PC and COC Plates, Good Optical Clarity, Moderate Solvent Resistance	-80°C to 80°C, 110°C w/ Pressurized PCR Heated Lids	<ul style="list-style-type: none"> qPCR (Real-Time) Short-Term Compound Storage
1149T30	Agilent-Style, 350 m				
1149T39	ALPS/a4S-Style, 250 m	Clear Seal Plus	Homogenization or Disruption of Seeds or Other Material (i.e. Bead Mill Applications)	-80°C to 80°C, 110°C w/ Pressurized PCR Heated Lids	<ul style="list-style-type: none"> High Tensile Strength
1149T42	Agilent-Style, 250 m				
1149T51	ALPS/a4S-Style, 610 m	Clear Seal 3730	Clear Polymer Seals to PP, PS, PE and COC, Piercable, Good Optical Clarity, Some Solvent Resistance, Non-Peelable	-20°C to 80°C, 110°C w/ Pressurized PCR Heated Lids	<ul style="list-style-type: none"> qPCR (Real-Time) Use w/ ABI™ 3730 Sequencer
1149T55	Agilent-Style, 500 m				
1149T34	ALPS/a4S-Style, 610 m	Polystyrene Foil Seal	Optimized for Polystyrene Plates, Peelable and 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"> Low-Temp Compound Storage Short-Term Compound Storage PCR
1149T37	Agilent-Style, 500 m				
1149T08	ALPS/a4S-Style, 610 m	Foil Seal	Peelable and Piercable Heat Seal to PP And PS Plates, Good Solvent Resistance Including DMSO, Resealable w/ Another Foil Seal, Color Print Identifies Non-Sealing Surface	-20°C to 110°C	<ul style="list-style-type: none"> Low-Temp Compound Storage Short-Term Compound Storage PCR
1149T13	Agilent-Style, 500 m				
1149T00	ALPS/a4S-Style, 610 m	Pierce Seal	Pierceable Seal to PP and PS Plates, Very Good Solvent Resistance Including DMSO, Can Be Applied on Top of Each Other for Re-Sealing, Color Print Identifies Non-Sealing Surface	-20°C to 120°C	<ul style="list-style-type: none"> PCR Compound Storage Sample Shipping
1149T05	Agilent-Style, 500 m				
1149T16	ALPS/a4S-Style, 610 m	Pierce Seal Strong	Peelable from COC Plates, Weld Seal to PP Plates, Very Good Solvent Resistance Including DMSO, Can Be Pierced w/ a Pipette Tip Manually, or by a Liquid Handling Robot, Color Print Identifies Non-Sealing Surface	-20°C to 120°C	<ul style="list-style-type: none"> PCR Compound Storage Sample Shipping
1149T20	Agilent-Style, 500 m				
1149R95	ALPS/a4S-Style, 610 m	Universal Peel Seal	Peelable Heat Seal to PP, PE, PS, PC and COC Plates, Moderate Solvent Resistance, Re-Sealable w/ Another Universal Peel Seal	-80°C to 90°C, 110°C w/ Pressurized PCR Heated Lids	<ul style="list-style-type: none"> Low-Temp Compound Storage High-Temp Applications PCR
1149R98	Agilent-Style, 500 m				
1149R89	ALPS/a4S-Style, 600 m	Peel Seal	Peelable Heat Seal to PP and COC Plates, Can Be Peeled Directly from 80°C Freezer, Good Barrier to Aqueous Solutions, Moderate Resistance to Solvents at Room Temperature	-80°C to 90°C, 110°C w/ Pressurized PCR Heated Lids	<ul style="list-style-type: none"> Low-Temp Compound Storage Short-Term Compound Storage PCR
1149R93	Agilent-Style, 500 m				
1149T57	ALPS/a4S-Style, 500 m	DMSO Resistant Peel Seal	Peel Seal w/ a High Resistance to Solvents, Even at Elevated Temperatures	-80°C to 40°C	<ul style="list-style-type: none"> Low and Room-Temp Compound Storage w/ DMSO and Other Organic Solvents
1149T61	Agilent-Style, 500 m Mini-Roll				
1149T73	ALPS/a4S-Style, 200 m	Gas Permeable Seal Mk 2	Small Pore Size of 20 µm Allows Gaseous Exchange and Limits Evaporation, Gas Permeability: 180 m³/M²/24h, Moisture Vapour Transmission: 20 g/M²/24h.	-20°C to 80°C	<ul style="list-style-type: none"> Cell Culture Overnight Incubation Seed and Insect Storage
1149T76	Agilent-Style, 500 m				



AMPLIFYT™ PCR PLATES

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

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

96-WELL NON-SKIRTED PCR PLATES

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

96-WELL SEMI-SKIRTED PCR PLATES

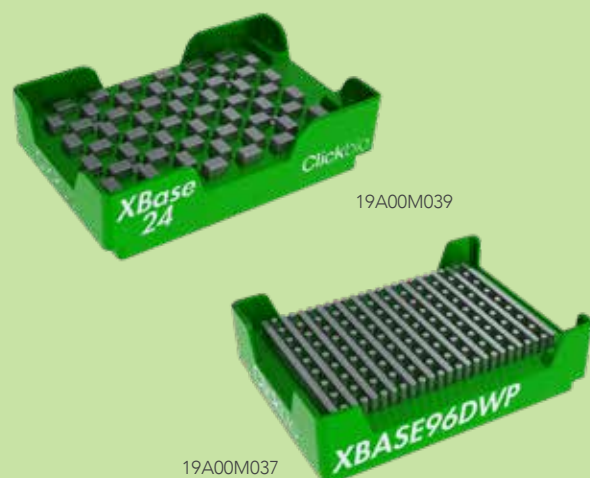
Thomas No.	Description	Unit
1149K06	96-Well PCR Plate, Semi-Skirted w/ Raised Rim, ABI Style, A12 Notch, Natural	25/pk
1149K03	96-Well PCR Plate, Semi-Skirted, Flat Top, A12 Notch, Natural	25/pk
1148A73	96-Well PCR Plate, Semi-Skirted w/ Raised Rim, Low Profile (0.1 mL) Fastplate, A1 Notch, Natural,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

96-WELL FULL-SKIRTED PCR PLATES

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

384-WELL FULL-SKIRTED PCR PLATES

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



CLICKBIO XBASE MAGNETIC PLATES

Fast Separation and Low Elution Volume

The XBASE product line offers a wide range of advantages over other magnetic separation products. The bases have SBS footprints and will fit on most liquid handler decks. They are also compatible with flat, round, pyramid bottoms and with both standard and deep well plate formats.

- SBS compatible footprints
- Universal 24 and 96-well plate fit
- Fast separation times
- Low elution volume
- Patented dual position

XBASE MAGNETIC PLATES

Thomas No.	Description	Unit
19A00M039	XBASE24 24-Well Magnet Base for 24-Well Plates	1/ea
19A00M037	XBASE96 96-Well Magnet Base for 96-Well Plates	1/ea

FRAMESTAR® PCR PLATES

Automation-Ready, Rigid Frame PCR Plates

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

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



1149U19



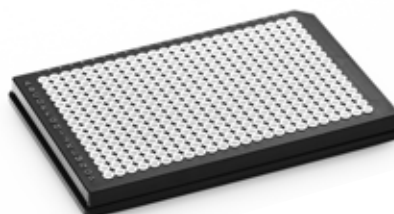
1149U99



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



PEAK BIO SOLUTIONS' CONSULTING SERVICES

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



RANDOM ACCESS PCR PLATES

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

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

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

RANDOM ACCESS PCR PLATES

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

RANDOM ACCESS PIERCE HEAT SEAL STRONG

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

VARI-PLATES™

Rigid Polycarbonate Frames Pre-Loaded with Vari-Strips™

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

VARI-PLATES

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

4TITUDE LOW BINDING PLATES

For Sensitive Applications Like NGS Sample Prep

Despite the hydrophilic nature of polypropylene, DNA has been shown to bind to it at high ionic strength and low concentrations. This is most noticeable in low concentration nucleic acid input applications and high sensitivity detection applications, which is why low binding reaction vessels are increasingly being recommended for these applications.

- Low-binding properties without special coatings
- Maximum DNA recovery after low temperature storage and high temperature incubations
- Complete sample recovery with no DNA loss during incubation steps or sample transfer

4TITUDE LOW BINDING PLATES

Thomas No.	Description	Unit
1149U92	FrameStar® 96-Well PCR Plate, Semi-Skirted, ABI-Style, A12 Notch, Clear Frame w/ Clear Wells	50/pk
1149V61	FrameStar 96-Well PCR Plate, Full-Skirted, Extra Rigid, H1 Notch, Black Frame w/ Clear Wells	50/pk
1149R05	96-Well Round Deep-Well Storage Plate, 1.0 mL, V-Bottom, Clear, for Use w/ Magnetic Separators	50/pk
1149Q98	96-Well Round Well Storage Plate, 0.2 mL, V-Bottom, Clear	50/pk

SEALING SOLUTIONS FOR 4TITUDE LOW BINDING PLATES

Thomas No.	Description	Unit
1149R51	FrameStar 96-Well Lid, for Use w/ 1149U92	50/pk
1149R50	FrameStar 96-Well NGS Lid, for Use w/ 1149V61	50/pk
1149R03	96-Well Round Well Sealing Cap Mat, Clear Silicone, for Use w/ 1149R05	50/pk

LOW BINDING RIGID PCR PLATES

Suitable for qCR and Designed for Automation

These rigid style 0.2 mL capacity microplates improve performance with automation with superior flatness and stability during cycling. Features include thin rigid walls for efficient heat transfer during amplification, raised well rims for effective sealing, very low evaporation rates during thermal cycling using silicone mats and low moisture absorption.

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

LOW BINDING RIGID PCR PLATES

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



1149U92



1149V61



1149R50

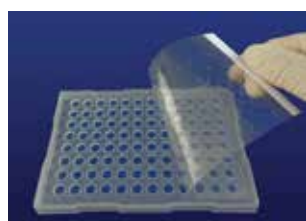
1149R03



1144C27



1148A87



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



1149V49



1149U98



1149U99

AMPLIFYT™ qPCR PLATES

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

96-WELL NON-SKIRTED qPCR PLATES

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

96 WELL SEMI-SKIRTED qPCR PLATES

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

96/384-WELL FULL-SKIRTED qPCR PLATES

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

FRAMESTAR® ROCHE-STYLE qPCR PLATES

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

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

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

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

FRAMESTAR ABI-STYLE qPCR PLATES

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

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

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

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

FRAMESTRIP™ PCR STRIP TUBES

2-Component PCR Strip Tubes

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

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



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

AMPLIFYT™ PCR STRIP TUBES

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



STANDARD 8 AND 12-STRIP TUBES WITH SEPARATE STRIP CAPS

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



1149Z56



1149K07



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



1148A28

8-STRIP TUBES WITH ATTACHED STRIP CAPS

Caps are attached to 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



1148A07

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

DNA/RNA PURIFICATION EXPERTS

The PEAK Bio Solutions service of Thomas Scientific is focused on technical workflows in life science labs. We are dedicated to bringing you the instruments, reagents and consumables that you need-on time, every time with sales people in all major markets and nationwide distribution centers.

We carry products for standard and automated DNA/RNA purification through the entire workflow and into downstream applications like SNP Screening, Sanger and Next Generation Sequencing and Microarray Screening.



OMEGA BIO-TEK MAG-BIND® KITS

Magnetic Bead-Based DNA/RNA Purification Kits

Omega Bio-tek offers highly versatile DNA and RNA extraction kits covering a wide spectrum of sample types that are suitable for both manual and automated extractions. Omega Bio-tek users save 30-50% off the price per sample of the market leaders while producing excellent and competitive yield and purity. Most kits are available in sizes for 50 or 200 preps as well as in microplate formats. Custom and high-volume solutions are also available upon request.

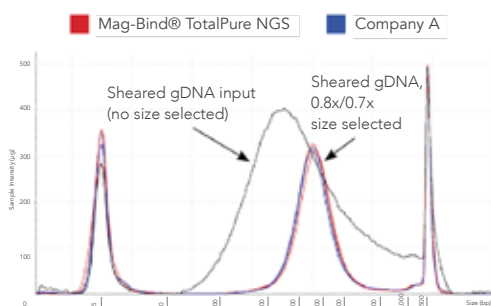
MAG-BIND TOTALPURE NGS

DNA and RNA for next-generation sequencing workflows

- No protocol change
- Double-sided size selection use your current ratios
- PCR clean up, cfDNA or RNA purification

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

DOUBLE-SIDED SIZE SELECTION



Electropherogram overlay of the double-sided size selection on sheared gDNA at 0.8x/0.7x ratio set and using Omega Bio-tek's Mag-Bind TotalPure NGS and a comparable product from Company A following manufacturer's recommended protocols. The DNA was eluted in 25µL and analyzed on Agilent's TapeStation® 2200.

MAG-BIND cfDNA KITS

Rapid and efficient isolation of circulating, cell-free DNA from 0.5-4.0 mL plasma or serum samples

- 192 samples in two hours (1 mL sample on liquid handler)
- Scalable DNA purification
- Minimal gDNA contamination

Thomas No.	Description	Unit
C755D32	Mag-Bind cfDNA Kit, 5 Preps	1/ea
C755D33	Mag-Bind cfDNA Kit, 50 Preps	1/ea
C755D34	Mag-Bind cfDNA Kit, 200 Preps	1/ea

MAG-BIND SeqDTR

Removes unincorporated terminators from sequencing reactions

- No protocol change
- Scalable DNA purification – 96 or 384-well format
- Read lengths averaging over 800 bp (Min Phred 20)
- Significant cost savings compared to sephadex-based clean ups

Thomas No.	Description	Unit
C755D26	Mag-Bind SeqDTR, 5 mL	1/ea
C755D27	Mag-Bind SeqDTR, 50 mL	1/ea
C755D28	Mag-Bind SeqDTR, 500 mL	1/ea

MAG-BIND ULTRA PURE PLASMID DNA 96 KITS

High quality, endotoxin-free plasmid DNA in a high-throughput format

- Endotoxins efficiently reduced (< 0.1 EU/µg)
- Centrifugation or lysate clearing beads can be used to clear cellular debris after alkaline lysis

Thomas No.	Description	Unit
C755D24	Mag-Bind Ultra Pure Plasmid Kit, (1) 96 Preps	1/ea
C755D25	Mag-Bind Ultra Pure Plasmid Kit, (4) 96 Preps	1/ea

MAG-BIND FFPE DNA/RNA KITS

Sequential Isolation of DNA and RNA from the Same Sample

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

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



CHM00A006

MAG-BIND PLANT DNA DS 96 KITS

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

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

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

MAG-BIND ENVIRONMENTAL DNA 96 KITS

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

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

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

MAG-BIND BLOOD AND TISSUE DNA HDQ 96 KITS

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

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

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

MAG-BIND UNIVERSAL PATHOGEN KITS

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

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

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

E-Z 96® SPIN-OUT BASKETS

E-Z 96 spin-out baskets provide a fast and convenient way to process buccal swabs, dried blood spots and other solid forensic samples in high-throughput DNA extraction workflows. The unique three piece design allows for complete recovery of lysates to maximize DNA yields and provides easier handling, which reduces overall processing time.

Thomas No.	Description	Unit
1144K90	E-Z 96 Spin-Out	1/ea
1144K91	E-Z 96 Spin-Out Plate Adaptors	10/pk
1144K92	E-Z 96 Spin-Out Baskets	1,000/pk



CHM00A006



BIOLINE PCR ENZYMES AND KITS

Bioline offers a full line of enzymes, optimized PCR mixes and other reagents for human, animal, plant and environmental applications. Please inquire if you need help finding what you are looking for or visit ThomasSci.com.

MYTAQ™ DNA POLYMERASE

Improved yield, sensitivity, speed and robustness when amplifying targets from any template.

- Sensitive – increased affinity for DNA
- Efficient – improved yield of any PCR product
- Robust – reliable amplification in the presence of inhibitors and with the most challenging targets
- Flexible – ideal for amplifying any target up to 5 kb
- Fast – sensitive, reproducible and robust amplification under fast thermal cycling conditions
- Convenient – includes all the components needed

MYTAQ DNA POLYMERASE

Thomas No.	Description	Unit
C755G72	MyTaq DNA Polymerase (500 units)	1/ea
C755G73	MyTaq DNA Polymerase (2,500 units)	1/ea
C755G74	MyTaq DNA Polymerase (5,000 units)	1/ea

MYTAQ RED MIX, 2X

Thomas No.	Description	Unit
C755G93	MyTaq Red Mix, 2x (200 x 50 µL reactions)	1/ea
C755G94	MyTaq Red Mix, 2x (1,000 x 50 µL reactions)	1/ea

RANGER DNA POLYMERASE

A unique blend of high-performance hot-start MyTaq HS DNA polymerase and a proprietary proofreading enzyme, specifically developed for long PCR applications.

- Efficient – reliable amplification of fragments between 10 kb and 25 kb in length
- Specific – enzyme blend remains inactive during PCR set-up to prevent non-specific amplification
- Fast – reduced time to results
- Flexible – amplify a broad range of large fragments
- Accurate – possesses 3'-5' proofreading exonuclease activity for increased fidelity

RANGER DNA POLYMERASE AND MIX

Thomas No.	Description	Unit
C755F41	RANGER DNA Polymerase (500 units)	1/ea
C755H00	RANGER Mix (500 reactions)	1/ea

MYTAQ HS POLYMERASE

Improved specificity, yield, speed and robustness when amplifying targets from any template.

- Sensitive – increased affinity for DNA
- Efficient – improved yield of any PCR product
- Specific - MyTaq HS remains inactive during PCR set-up to prevent non-specific amplification
- Flexible – ideal for amplifying any target up to 5 kb
- Fast – sensitive, reproducible and robust amplification under fast conditions
- Convenient – all-in-one-tube mastermixes

MYTAQ HS DNA POLYMERASE

Thomas No.	Description	Unit
C755G78	MyTaq HS DNA Polymerase (250 units)	1/ea
C755G79	MyTaq HS DNA Polymerase (1,000 units)	1/ea
C755G80	MyTaq HS DNA Polymerase (2,500 units)	1/ea

MYTAQ HS RED MIX, 2X

Thomas No.	Description	Unit
C755G96	MyTaq HS Red Mix, 2x (200 x 50 µL reactions)	1/ea
C755G97	MyTaq HS Red Mix, 2x (1,000 x 50 µL reactions)	1/ea

VELOCITY DNA POLYMERASE

VELOCITY DNA polymerase is an ultra-fast thermostable enzyme possessing 3'-5' exonuclease activity that delivers exceptional fidelity and PCR yield even under fast conditions.

- Accurate – possesses 3'-5' proofreading exonuclease activity for increased fidelity
- Efficient – increased PCR yield from even the most challenging templates
- Fast – increased yield under fast conditions
- Robust – increased tolerance to impurities and ability to amplify complex templates
- Flexible – ideal for targets of up to 10 kb

VELOCITY DNA POLYMERASE

Thomas No.	Description	Unit
C755G70	VELOCITY DNA Polymerase (250 units)	1/ea
C755G71	VELOCITY DNA Polymerase (500 units)	1/ea

BIOLINE SENSIFAST™ qPCR KITS

One-step kits are a complete line of ready-to-use highly optimized kits which reduces sample handling, decreases the chances of pipetting errors and cross contamination. Improved accuracy also means faster processing time with less time on the bench!



SENSIFAST SYBR® ONE-STEP KITS

Fast, Efficient, Unbiased cDNA Synthesis

SensiFAST SYBR one-step kits have been formulated for fast, efficient, unbiased cDNA synthesis and subsequent highly-sensitive, reproducible RT-qPCR in a single tube.

SENSIFAST SYBR NO-ROX ONE-STEP KIT

Thomas No.	Description	Unit
C755H71	SensiFAST SYBR No-ROX One-Step Kit (100 x 20 µL reactions)	1/ea
C755H72	SensiFAST SYBR No-ROX One-Step Kit (500 x 20 µL reactions)	1/ea

SENSIFAST SYBR HI-ROX ONE-STEP KIT

Thomas No.	Description	Unit
C755H73	SensiFAST SYBR Hi-ROX One-Step Kit (100 x 20 µL reactions)	1/ea
C755H74	SensiFAST SYBR Hi-ROX One-Step Kit (500 x 20 µL reactions)	1/ea

SENSIFAST SYBR LO-ROX ONE-STEP KIT

Thomas No.	Description	Unit
C755H75	SensiFAST SYBR Lo-ROX One-Step Kit (100 x 20 µL reactions)	1/ea
C755H76	SensiFAST SYBR Lo-ROX One-Step Kit (500 x 20 µL reactions)	1/ea

SENSIFAST PROBE ONE-STEP KITS

Superior Sensitivity and Specificity with Probe-Detection Technology

SensiFAST Probe one-step kit has been developed for fast RT-qPCR and designed for superior sensitivity and specificity with probe-detection technology, including TaqMan®, Scorpions® and molecular beacon probes.

SENSIFAST PROBE NO-ROX ONE-STEP KIT

Thomas No.	Description	Unit
C755H77	SensiFAST Probe No-ROX One-Step Kit (100 x 20 µL reactions)	1/ea
C755H78	SensiFAST Probe No-ROX One-Step Kit (500 x 20 µL reactions)	1/ea

SENSIFAST PROBE HI-ROX ONE-STEP KIT

Thomas No.	Description	Unit
C755H79	SensiFAST Probe Hi-ROX One-Step Kit (100 x 20 µL reactions)	1/ea
C755H80	SensiFAST Probe Hi-ROX One-Step Kit (500 x 20 µL reactions)	1/ea

SENSIFAST PROBE LO-ROX ONE-STEP KIT

Thomas No.	Description	Unit
C755H81	SensiFAST Probe Lo-ROX One-Step Kit (100 x 20 µL reactions)	1/ea
C755H82	SensiFAST Probe Lo-ROX One-Step Kit (500 x 20 µL reactions)	1/ea

SENSIFAST HRM KIT

Fast Genotyping of Sequence Variants Through High Resolution Melting

SensiFAST HRM kit incorporates an antibody-mediated hot-start DNA polymerase with EvaGreen® fluorescent dye, to deliver precise, highly reproducible and fast genotyping of sequence variants through high resolution melting.

- Accurate – clear discrimination of even the most challenging sequence differences
- Reproducible – increased confidence in sample characterization
- Sensitive – efficient detection from even very limiting amounts of sample
- Flexible – enables reliable characterization of a broad range of sequence differences
- Fast – rapid PCR amplification prior to high resolution melting, enabling higher throughput

SENSIFAST HRM KIT

Thomas No.	Description	Unit
C755H05	SensiFAST HRM Kit (500 x 20 µL reactions)	1/ea
C755H06	SensiFAST HRM Kit (2,000 x 20 µL reactions)	1/ea

SENSIFAST cDNA SYNTHESIS KIT

Great Linearity Across a Range of Starting Materials

- Efficient – high-target affinity for improved yield
- Unbiased – complete 3'-5' RNA sequence representation
- Sensitive – lower Ct values from a broad range of input cDNA
- Robust – reliable reverse transcription under challenging conditions
- Fast – high-yield reverse transcription in just 5 minutes

SENSIFAST cDNA SYNTHESIS KIT

Thomas No.	Description	Unit
C755H65	SensiFAST cDNA Synthesis Kit (50 reactions)	1/ea
C755H66	SensiFAST cDNA Synthesis Kit (250 reactions)	1/ea



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



	24-format, 7.6 mL External Thread, Next Gen Jacket Tri-coded	24-format 5.0 mL External Thread, Jacket Tri-coded	24-format, 6.0 mL External Thread, Jacket Tri-coded Glass	48-format, 3.8 mL External Thread, Next Gen Jacket Tri-coded	24-format 4.0 mL External Thread, Jacket Tri-coded Glass	24-format, 2.2 mL Tissue External Thread, Dual-coded	48-format, 1.9 mL External Thread, Next Gen Jacket Tri-coded	48-format, 1.8 mL Internal Thread, 2D-coded	48-format, 1.8 mL External Thread, 2D-coded	48-format, 2.0 mL External Thread, Jacket Tri-coded Glass	48-format, 1.8 mL Internal Thread, Jacket Tri-coded	48-format, 1.5 mL External Thread, Next Gen Jacket Tri-coded
--	--	--	---	--	--	--	--	--	--	--	--	--

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



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



FLUIDX BARCODE READING SYSTEMS

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

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

FLUIDX IMPRESSION™ WHOLE RACK SCANNER

Small-footprint scanner for rapid reading and integration

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

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

FLUIDX PERCEPTION™ HD LF WHOLE RACK READER

Advanced camera-based imaging system

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

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

FLUIDX SCOPE™ SINGLE TUBE BARCODE READERS

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

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

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



1150K71



1150K74



1150K65

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

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

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

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



1150K81

FLUIDX INTELLIXCAP™ CAPPER/DECAPPER

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

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

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



1150K89

FLUIDX XDC-96 AUTOMATIC CAPPER/DECAPPER

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

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

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



1150L03



SAFE® 96 XT

XSX 200

SX 300

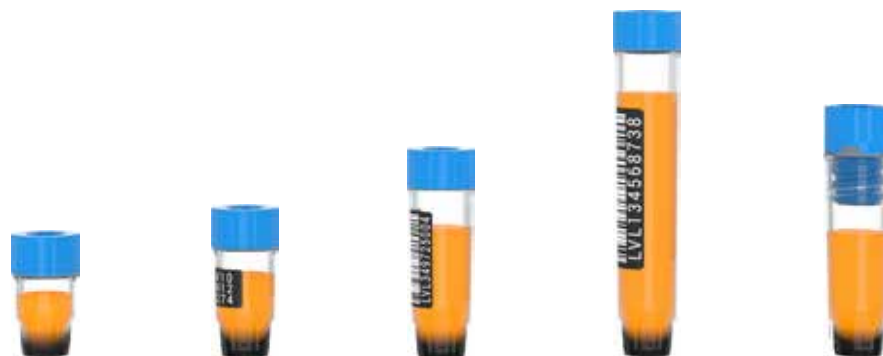
MX 500

LX 1000





SAFE® 96 IT

MI 500

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



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

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



DATAPAQ™ MIRAGE 2D SCANNERS

Setting New Standards for 2D Barcode Rack Scanners

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

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

DATAPAQ MIRAGE 2D SCANNERS

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



1139F77

MOHAWK SEMI-AUTOMATED TUBE PICKER

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

MOHAWK SEMI-AUTOMATED TUBE PICKER

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



1144B89



EZYCAP™

Electronic Capper/Decapper and Tube Picker

The EzyCap is a lightweight, versatile and easy-to-use tool specifically designed to decap and recap FluidX 2D barcoded tubes and enable the user to individually pick and place tubes from within 49-96-way racks and 10x10 cryogenic storage boxes.

- Fully electronic operation
- Delivers consistent sealing torque
- Supports a range of tube sizes – 0.3, 0.7, 1.0 and 2.0 mL
- Enables users to pick and place individual tubes

EZYCAP ELECTRONIC CAPPER/DECAPPER AND TUBE PICKER

Thomas No.	Description	Unit
1132R62	EzyCap Electronic Single Capper and Tube Picker, Supports 0.3, 0.5, 1.0, 1.9 and 2.0 mL External Threaded Screw Cap Tubes	1/ea



1132R62

FLUENT® AUTOMATED WORKSTATION

Easy To Use – Every Day, for Every Operator

The Tecan system's fully modular, open architecture allows each instrument to be individually configured with robotic arms for pipetting and labware movement, helping laboratories to meet throughput, cost saving and productivity targets.

- Increase productivity
- Streamline workflows
- Optimize assay precision and consistency
- Relieve operators from repetitive task

FLUENT AUTOMATED WORKSTATION

Description

Fluent Automated Workstation

[Call For More Information](#)

FREEDOM EVO® PLATFORM

One Platform, Unlimited Options, Individual Solutions

One of the most popular and reliable systems in the market, with more than 5,000 systems installed worldwide. The upgradeable Freedom EVO platform can evolve with your changing application needs, making your initial investment even more valuable. It offers a choice of worktable capacities, proven liquid handling, easy-to-use robotics and advanced process control within reach of every laboratory scientist.

Examples of packages – NAP (nucleic acid purification), NGS, protein purification, colony picking and plating, vitamin D analysis and more!

FREEDOM EVO PLATFORM

Description

Freedom Evo Platform

[Call For More Information](#)

DISPENSEHEAD CASSETTES

For Use with Tecan D300e Digital Dispenser

The T8+ and D4+ dispensehead cassettes allow dispensing of up to eight fluids per cassette, from 11 picoliters to 10 microliters of small molecules and biomolecules in DMSO or aqueous solution.

- Single cassette for dispensing DMSO and aqueous solutions
- DMSO dispensing capabilities are unchanged
- Backwards compatible with all existing HP D300 instruments

DISPENSEHEAD CASSETTES

Tecan No.	Description	Unit
30097371	D4+ Dispensehead Cassettes, 1 nL to 10 µL	20/box
30097370	T8+ Dispensehead Cassettes, 11 pL to 10 µL	20/box

TECAN.





SPARK® CYTO

Live Cell Plate Reader with Real-Time Image Cytometry

By combining live cell imaging with advanced detection technologies, the Spark Cyto multimode reader offers the ability to unite qualitative and quantitative information into unique multi-parameter data sets.

- Truly investigate your entire cell population
- Designed for a broad range of common cytometry applications

SPARK CYTO MULTIMODE PLATE READER

Description	
Spark Cyto 300	Call For More Information
Spark Cyto 400	Call For More Information
Spark Cyto 500	Call For More Information
Spark Cyto 600	Call For More Information

SPARK®

The Fully Flexible Detection Platform with Smart Automation

The Spark multimode microplate reader platform can be configured to meet current needs and is fully upgradable to access new techniques and features in the future, offering solutions to suit virtually any life science research or drug discovery application.

- Absorbance – Fast, accurate, versatile
- Fluorescence – Unmatched flexibility for any assay or budget
- Luminescence – Unparalleled sensitivity in the widest range of applications
- Cell counting and imaging – affordable imaging for increase data confidence

SPARK MULTIMODE PLATE READER

Description	
Spark for Genomics and Proteomics	Call For More Information
Spark for Microbiology	Call For More Information
Spark for Cell-Based Assays	Call For More Information
Spark for Drug Discovery	Call For More Information

INFINITE® 200 PRO

Affordable High-Performance Detection Solutions

The Infinite 200 PRO has been continuously engineered for excellence and has now evolved into a budget-friendly reader family consisting of six application-focused configurations, delivering performance and value to every lab, every day, for every assay.

INFINITE 200 PRO MULTIMODE PLATE READER

Tecan No.	Description	Unit
INF-FPLEX	Infinite 200 Pro F Plex, Multimode Microplate Reader, Filter Optics	1/ea
INF-MPLEX	Infinite 200 Pro M Plex, Multimode Microplate Reader, Monochromator Optics	1/ea

HYDROFLEX™ MICROPLATE WASHER

Reliable Microplate Washer for ELISA Assays and Cells

The HydroFlex microplate washer is a truly flexible and upgradeable platform for automated microplate strip washing, magnetic bead washing and vacuum filtration in 96-well plate formats. It is ideal for a wide range of cell, enzyme and DNA-based applications in academia, biotech, pharmaceuticals and clinical diagnostics.

- Compact and modular design
- Ready for automated washing of ELISAs, cells and protein arrays
- Automated system for vacuum filtration to waste
- Magnetic plate carrier for magnetic bead washing
- Bubble sensor unit that ensures reliable buffer dispensing
- Multipoint aspiration to achieve minimal residual volumes
- Software control of speed settings and wash head positions
- Can be integrated with Fluent, Freedom EVO and Freedom EVOlyzer workstations
- Excellent reliability and low service costs



HYDROFLEX MICROPLATE WASHER

Tecan No.	Description	Unit
INSTHF-02	HydroFlex, Ready to Configure, Strip Washer for a Range of Applications in 96-Well Plate Format	1/ea
INSTHF-01	HydroFlex, Standard Configuration, Strip Washer for ELISA and Cell Washing	1/ea

HYDROSPEED™ PLATE WASHER

For Cells, Beads and ELISAs in 96 and 384-Well Formats

The HydroSpeed is Tecan's advanced plate washer, designed for quick, parallel washing of entire 96 and 384-well plates. This avoids time differences between the wells for uniform results. In addition, the HydroSpeed provides full control of wash power for optimized washing of cells, beads and ELISAs.

- Extra gentle cell washing with tuneable wash power
- Reliable operation through active prevention of needle clogging
- Patented design using dual magnets per well
- Integrated monitoring of liquid level in waste bottle
- Patent-pending plate assistant auto-adjust function
- Intense cleaning of wash heads using a typical lab ultrasonic bath



HYDROSPEED™ PLATE WASHER

Tecan No.	Description	Unit
INSTHS-01	HydroSpeed, 96-Well Format, Whole Plate Washer for ELISA and Cell Washing	1/ea
INSTHS-02	HydroSpeed, 96 and 384-Well Format, Whole Plate Washer for ELISA, Bead and Cell Washing	1/ea
INSTHS-03	HydroSpeed, Ready to Configure, Whole Plate Washer for a Range of Applications	1/ea

RACKS FOR ALL FREEZER AND LABWARE TYPES!

A More Organized System for Storage and Retrieval of Samples

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



UPRIGHT RACKS FOR STANDARD 2" BOXES

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

UPRIGHT DRAWER RACKS FOR STANDARD 2" BOXES

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

UPRIGHT DRAWER RACKS FOR 15 AND 50 mL TUBES

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

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

Thomas No.	Dimensions LxHxW (in)	Dimensions LxHxW (mm)	Capacity
1201Y57	22 x 5 5/8 x 5 1/2	559 x 143 x 140	10
1201Y58	24 3/16 x 5 5/8 x 5 1/2	615 x 143 x 140	11
1201Y59	26 7/8 x 5 5/8 x 5 1/2	670 x 143 x 140	12
1201Y60	28 1/4 x 5 5/8 x 5 1/2	717 x 143 x 140	13

UPRIGHT RACKS FOR STANDARD 3" BOXES

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

UPRIGHT DRAWER RACKS FOR STANDARD 3" BOXES

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

UPRIGHT RACKS FOR 96 AND 384-WELL MICROPLATES

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

UPRIGHT RACKS FOR 96 DEEP-Well MICROPLATES

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

UPRIGHT RACKS FOR 15 AND 50 mL TUBE BOXES

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

CRYO.S™ TUBES WITH DATAMATRIX

Innovative, Efficient and Safe Sample Management

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

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

CRYO.S TUBES WITH DATAMATRIX

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

DATAMATRIX RACKS

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



greiner bio-one



CRYOFREEZE® TUBES WITH CAPS

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

CRYOFREEZE TUBES WITH INTERNAL THREADED CAPS

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

CRYOFREEZE TUBES WITH EXTERNAL THREADED CAPS

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

CRYOFREEZE CAP INSERTS

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

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



1148***



TECAN AUTOMATION SOLUTIONS

Genomics – Solutions to cover your genomic workflow automation needs, including DNA extraction, normalization and PCR set-up, as well as NGS sample preparation.

Cell biology – Sophisticated solutions to address your lab's cell-based assay, 2D and 3D cell culture, cell counting, colony picking and cell transfection needs.

Drug discovery – From fully automated compound management and assay development to ADME and screening solutions, including integrated readers for biochemical assays and IC50 determinations.

Protein science – A comprehensive range of solutions for protein purification, including assay miniaturization and parallelization, buffer preparation, protein digestion and fully automated analysis.

Analytical chemistry – Tailored workflow automation solutions to alleviate processing bottlenecks for mass spectrometry sample preparation.

Applied markets – Sample preparation solutions for forensic, agricultural, veterinary and food science applications, from distribution to full process flow automation.

ELISA solutions – ELISA assays are a major tool of analysis in many markets from drug discovery, veterinary and food science to clinical diagnostics.



THE POTENTIAL OF 2D TECHNOLOGY

The Best Selection of 2D Tubes From Your Favorite Suppliers

2D tube technology has become prominent in recent years because of the security it provides to valuable samples. Many labs have adopted this technology to alleviate concerns regarding chain of custody and sample integrity. 2D technology is attractive to labs storing large volumes of samples because the tubes' format can effectively double the storage space in a customer's freezer. Additionally, 2D tube technology gives labs the ability to easily integrate automation like capping/decapping into already existing workflows.

Our PEAK Bio Solutions Workflow Consultants have years of experience with 2D technology and workflows. We also carry most brands of tubes.

Let us help you find the right 2D technology solutions for your lab!



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