

laboratory products 11/12



Genuine
AXYGEN
Quality®

Universal Fit Pipette Tips

In a wide range of styles and packaging for use on most popular pipettors.

Robotic Tips

With unsurpassed consistency and performance to fit most liquid handling systems.

Full Compatibility Charts

Pipet Tips.
Robotic Tips.
PCR Plates.

High Throughput Screening (HTS)

From assay plates to seals & reservoirs, Axygen's HTS range are the most robot friendly on the market.

PCR Products are represented by thin-wall tubes, 8-strip tubes/caps, multiwell plates designed to fit virtually all thermal cyclers, and our Real-Time PCR line.

Sealing methods

Proven to provide an effective seal with assay plates, microplates, PCR microplates and reservoirs.

Microtubes

Snaplock & Screw Cap Tubes, Microtube Racks, Centrifuge, Transport & Test tubes.

Caps & Closures

Universal fitting caps for multiple sizes of tubes.





// Introducing
an
expanded
selection of
disposable
tips for
automation
with Tecan
Robotic Systems

• • • • •

since our inception

Since our inception in 1993, Axygen Scientific has grown and developed into a worldwide leader in the development and manufacturing of quality products for the research community.

We continue to set ourselves apart from the rest of the industry by our commitment to doing things the right way, with the right people, the right materials, on-time, every time.

Using only the finest machine tools and moulds, coupled with the most skillful toolmakers around, we produce the highest quality precision injection molded plastics available today.

...

the envelope

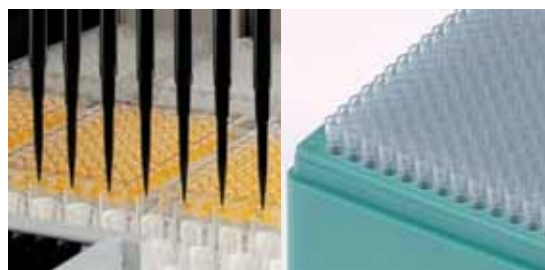
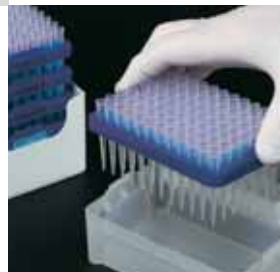


//TECAN ROBOTIC TIPS

Liquid Level Sensing
PAGE 29

// REFILL SYSTEM

Space saving,
economical, and
convenient
PAGE 9



//FX-1536

Critical dimensions
for critical
applications
PAGE 34

pushing

Every year we release an average of 10 to 20 new products – each purpose built and forward-thinking. Through new product innovations we bring new standards to sample handling, delivery, and storage; improving the way research is done. Some examples of this year's innovations are pictured above and throughout this catalog.

Axygen is committed to the complete satisfaction of each and every customer.

Whether you are meeting us for the first time, or making a return visit, we welcome the opportunity to serve you.

innovation



// ROBORACK

for PerkinElmer Janus
robotic platforms
PAGE 30



//TECAN EVO

Tips for the
EVO platforms
PAGE 28



6 // **Universal Fit Pipette Tips** are available in a wide range of styles and packaging

24 // **Robotic Tips** with unsurpassed consistency and performance to fit most liquid handling systems

42 // **High Throughput Screening** products suitable for most robotic workstation applications

50 // **PCR products** specifically designed for PCR thermal transfer and real time PCR applications



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62 // **Sealing Products** proven to provide an effective seal with assay plates, microplates, PCR microplates and reservoirs

68 // **Microtubes** 75 // **Tubes, caps & closures** suitable for sample storage, centrifugation and liquid handling applications

ultra smooth surfaces //

PROTEOMICS • DRUG DISCOVERY • GENOMICS • HIGH THROUGHPUT SCREENING

Utilizing a unique manufacturing process, Axygen Scientific has developed an innovative series of pipette tips, filter tips, pcr products and microcentrifuge tubes that feature ultra smooth surfaces.

- EXCLUSIVE MOLDING TECHNOLOGY
- REDUCE SAMPLE LOSS
- SAVE COSTLY REAGENTS
- MAXIMIZE ACCURACY AND PRECISION



MAXIMUM RECOVERY®

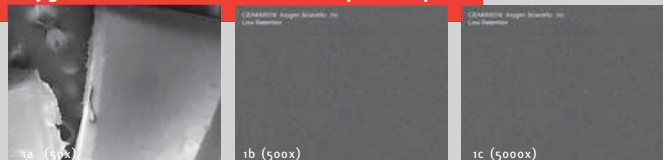
Genuine Axygen Quality

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Surface comparison of polypropylene materials >>>

These images show a visual comparison of the Axygen MAXIMUM RECOVERY pipette tip internal surface compared to the surface of both standard polypropylene pipette tips and siliconized pipette tips. The photographs below were taken of the internal surface of sections cut from three styles of pipette tips, via SEM/EDS. Magnification levels ranged from 50x to 5,000x.

Axygen MAXIMUM RECOVERY Pipette Tips



Figures 1a (50x), 1b (500x) and 1c (5000x) are images of the Axygen MAXIMUM RECOVERY surface. Even at the highest magnification level, the ultra-smooth surface is visibly free of occlusions and cavities which can cause sample retention and sample denaturation in standard polypropylene.

Conventional Pipette Tips



Figure 2a (50x), 2b (500x) and 2c (5000x) are images of the internal surface of a standard polypropylene pipette tip. Occlusions and cavities can be seen on the wall surface. At highest magnification, surface strands which cause samples to 'stick', are clearly visible.

Siliconized Pipette Tips



Figure 3a (50x), 3b (500x) and 3c (2000x) are images of a siliconized pipette tip. Here again, notice the lack of smoothness of the walls created by an inconsistent and uneven flow of silicone upon the surface. Sample retention occurs even with siliconized pipette tips.

//6 Pipette Tips

ACCURACY; PRECISION; CONFIDENCE

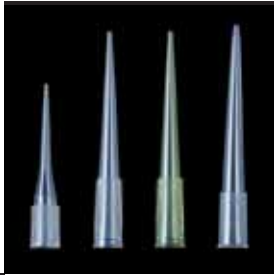
**AXYGEN UNIVERSAL TIPS ARE DESIGNED TO FIT
A WIDE VARIETY OF SINGLE AND MULTI-CHANNEL PIPETTORs.**

Flexible walls and a series of internal sealing rings ensure a secure fit with less force required to load and eject. Extended length and wide bore styles are also available for specialty applications. All pre-sterilized tips are exposed to e-beam radiation for complete security without degrading the plastic or performance.

for the ultimate in sample delivery



Axygen products are manufactured in a clean, controlled "state of the art" facility and certified RNase-, DNase- and endotoxin-safe.



Axygen's unique diamond-polished molding technology:

- No mold-releasing agents used
- Contamination-free
- Reduced sample retention
- Optimized performance



- **MAXIMUM RECOVERY** - allows complete retrieval of precious samples
- **Universal fit tips** - compatible with most popular brands of pipettors
- **Aerosol barrier tips** - prevent aerosol and liquid contamination
- **Universal fit & aerosol barrier tips** - available in bulk and racked formats
- **Optimized tip bevel** - reduces sample hang-up; improves pipetting accuracy
- **Graduation marks** - allow a visual confirmation of pipettor draw volume

why use Maxymum Recovery?

- Allows for complete sample retrieval
- Saves costly reagents by reducing sample loss
- Greater tip-to-tip precision
- Optimizes accuracy of pipettor
- Optimizes transfer of blood plasma
- Avoid denaturation of nucleic acids¹ and protein samples²

because results count!



- **'Clean-room' manufacturing environment** - products certified safe from RNase-, DNase- and endotoxin
- **Consistent product quality** - every manufacturing lot undergoes rigorous testing
- **Pre-sterilized products** - e-beam irradiated to prevent product degradation

1: Gaillard C. and Strauss F.2000. Avoiding DNA loss and denaturation upon storage in plastic microtubes, Institut Jacques Monod, Paris, France.

2: Zhu J., Garcia J., Avila R., Zachoratos J. and Arazani A. 2005. Protein Recovery Studies, Axigen Research Labs, Union City, California.

Tip Refill SYSTEM



- Durable polycarbonate rack can be repeatedly autoclaved.
- Color-coded inserts provide for ready tip identification.
- Durable refill rack can be easily refilled by hand using the bulk tips below



Volume	Tip Color	Tip Type	Refill Bulk Tip Cat #	Packaging	Rack Color	Axygen Rack Cat #
10µl	Clear	Ultra Micro	T-400	Racked	Red	PC-400-C-R



10µl	Clear	MicroVolume	T-300	Racked	Red	PC-300-C-R
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200µl	Yellow	Bevelled	T-200-Y	Racked	Yellow	PC-200-Y-R
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Packaging Description: Bulk = 1000 tips/pack, 20 packs/case; Racked = 96 tips/rack, 10 racks/case



300µl	Clear	Fine-Point	T-350-C	Racked	Green	PC-350-C-R
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Packaging Description: Bulk = 1000 tips/pack, 10 packs/case; Racked = 96 tips/rack, 10 racks/case



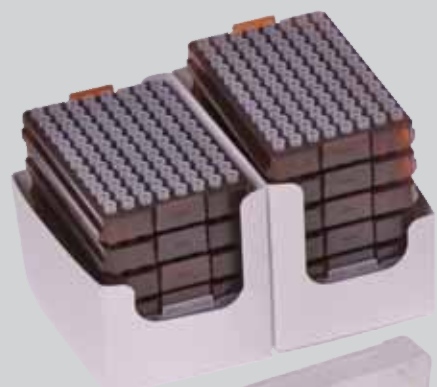
1000µl	Blue	Bevelled	T-1000-B	Racked	Blue	PC-1000-B-R
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Packaging Description: Bulk = 1000 tips/pack, 5 packs/case; Racked = 70 tips/rack, 10 racks/case



Tip Refill SYSTEM

9//



RFL-300-C

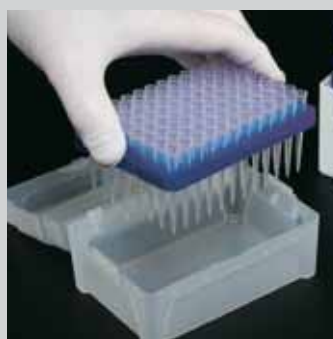


RFL-1200-C

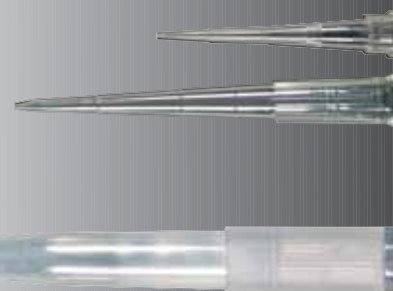


RFL-222-C

- Graduated 200µl tip to allow for visual checking of volume drawn
- Translucent rack allows tips to be easily seen
- Tip insert 'clicks' into rack for added product security
- Color coded insert allows for easy identification of tip
- Certified RNase-, DNase-safe.



Volume	Tip Color	Tip Type	Packaging	Axygen Cat #
10µl	Clear	P2/P10 Gilson-style tip	2 stacks of 5x 96 tips/pack, 5 packs/case	RFL-300-C
200µl	Clear	Universal-fit, graduated	2 stacks of 5x 96 tips/pack, 5 packs/case	RFL-222-C
-	-	Empty Racks/ lids	10 racks/pack, 5 packs/case	RFL-R
1200µl	Clear	Universal-fit, graduated	8x 96 tips/pack, 6 packs/case	RFL-1200-C
-	-	Empty Racks/ lids	10 racks/pack, 3 packs/case	RFL-R-1200



RFL-R is suitable for both the 10µl and 200µl refill inserts. RFL-R-1200 is suitable for 1200µl refill inserts.



MAXIMUM RECOVERY Technology

- allows recovery of costly samples
- improves precision & accuracy

10µl



Volume	Tip Color	Tip Type	Packaging	Oxygen Cat #
0.5-10µl	Clear	Maxymum Recovery	Bulk	T-300-L
0.5-10µl	Clear	Maxymum Recovery	Racked	T-300-L-R
0.5-10µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	T-300-L-R-S
0.5-10µl	Clear	MicroVolume	Bulk	T-300
0.5-10µl	Clear	MicroVolume	Racked	T-300-R
0.5-10µl	Clear	MicroVolume	Racked, Pre-Sterilized	T-300-R-S
0.5-10µl	Clear	MicroVolume	Stack Rack	T-300-STK



length 1.8" (4.5cm)
Extended length tip allows easy access to narrow, deep wells

Close up of tip end



0.5-10µl	Clear	Maxymum Recovery	Bulk	TXL-10-L
0.5-10µl	Clear	Maxymum Recovery	Racked	TXL-10-L-R
0.5-10µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	TXL-10-L-R-S
0.5-10µl	Clear	MicroVolume	Bulk	TXL-10
0.5-10µl	Clear	MicroVolume	Racked	TXL-10-R
0.5-10µl	Clear	MicroVolume	Racked, Pre-Sterilized	TXL-10-R-S

Packaging Description: Bulk = 1000 tips/pack, 20 packs/case; Racked = 96 tips/rack, 10 racks/pack, 5 packs/case
Stack Racks = 96 tips/rack, 5 racks/stack, 10 stacks/case

Fits: Pipetman P2/P10 and other popular brands. See Tip Compatibility Table, pages 19-23

20µl



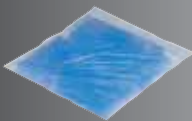
0.5-20µl	Clear	Maxymum Recovery	Bulk	T-400-L
0.5-20µl	Clear	Maxymum Recovery	Racked	T-400-L-R
0.5-20µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	T-400-L-R-S
0.5-20µl	Clear	Ultra Micro	Bulk	T-400
0.5-20µl	Clear	Ultra Micro	Racked	T-400-R
0.5-20µl	Clear	Ultra Micro	Racked, Pre-Sterilized	T-400-R-S

Packaging Description: Bulk = 1000 tips/pack, 20 packs/case; Racked = 96 tips/rack, 10 racks/pack, 5 packs/case

Fits: Eppendorf Ultra Micro, Pipetman P2/P10 and other popular brands. See Tip Compatibility Table, pages 19-23

Tip Packaging Options

Bulk Packaging



Pipette tips are available in bulk-packaged, re-sealable plastic bags – keeping them safe from contamination.

Hinged Racks



Axygen tip racks in durable polypropylene provide good stability on the lab bench. They feature a hinged lid with a snap fastener.

Stack Racks



Axygen inter-locking stack racks offer stability for the tips while saving valuable lab bench space.



Axygen performs accuracy and precision testing for every manufacturing lot of pipette tips using the finest pipettors in the industry. This ensures reliable performance that you can count on with every shipment.



Universal Fit

TIPS

11 //

fits popular brands of pipettors



200µl, bevelled

Volume	Tip Color	Tip Type	Packaging	Axygen Cat #
1-200µl	Clear	Maxymum Recovery	Bulk	T-200-C-L
1-200µl	Clear	Maxymum Recovery	Racked	T-200-C-L-R
1-200µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	T-200-C-L-R-S
1-200µl	Clear	Bevelled	Bulk	T-200-C
1-200µl	Clear	Bevelled	Racked	T-200-C-R
1-200µl	Clear	Bevelled	Racked, Pre-Sterilized	T-200-C-R-S
1-200µl	Clear	Bevelled	Stack Rack	T-200-C-STK
1-200µl	Yellow	Bevelled	Bulk	T-200-Y
1-200µl	Yellow	Bevelled	Racked	T-200-Y-R
1-200µl	Yellow	Bevelled	Racked, Pre-Sterilized	T-200-Y-R-S
1-200µl	Yellow	Bevelled	Stack Rack	T-200-Y-STK

MAXIMUM
RECOVERY



Fits: Universal. See Tip Compatibility Tables, pages 19-23

Packaging Description:

Bulk = 1000 tips/pack, 20 packs/case; Racked = 96 tips/rack, 10 racks/pack, 5 packs/case
Stack Racks = 96 tips/rack, 5 racks/stack, 10 stacks/case

200µl, non-bevelled

1-200µl	Clear	Fine-Point	Bulk	T-210-C
1-200µl	Clear	Fine-Point	Racked	T-210-C-R
1-200µl	Clear	Fine-Point	Racked, Pre-Sterilized	T-210-C-R-S
1-200µl	Yellow	Fine-Point	Bulk	T-210-Y



Fits: Universal. See Tip Compatibility Tables, pages 19-23

Packaging Description:

Bulk = 1000 tips/pack, 20 packs/case; Racked = 96 tips/rack, 10 racks/pack, 5 packs/case

100µl, Eppendorf compatible

1-200µl	Yellow	Maxymum Recovery	Bulk	TE-204-Y-L
1-200µl	Yellow	Maxymum Recovery	Racked	TE-204-Y-L-R
1-200µl	Yellow	Maxymum Recovery	Racked, Pre-Sterilized	TE-204-Y-L-R-S
1-200µl	Yellow	Eppendorf-style	Bulk	TE-204-Y
1-200µl	Yellow	Eppendorf-style	Racked	TE-204-Y-R
1-200µl	Yellow	Eppendorf-style	Racked, Pre-Sterilized	TE-204-Y-R-S

MAXIMUM
RECOVERY



Graduation marks at 10, 50 and 100µl

Packaging Description:

Bulk = 500 tips/pack, 20 packs/case; Racked = 96 tips/rack, 10 racks/pack, 5 packs/case

200µl, bevelled, reference

1-200µl	Clear	Maxymum Recovery	Bulk	TR-222-C-L
1-200µl	Clear	Maxymum Recovery	Racked	TR-222-C-L-R
1-200µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	TR-222-C-L-R-S
1-200µl	Clear	Bevelled, Reference	Bulk	TR-222-C
1-200µl	Clear	Bevelled, Reference	Racked	TR-222-C-R
1-200µl	Clear	Bevelled, Reference	Racked, Pre-Sterilized	TR-222-C-R-S
1-200µl	Clear	Bevelled, Reference	Stack Rack	TR-222-C-STK
1-200µl	Yellow	Bevelled, Reference	Bulk	TR-222-Y
1-200µl	Yellow	Bevelled, Reference	Racked	TR-222-Y-R
1-200µl	Yellow	Bevelled, Reference	Racked, Pre-Sterilized	TR-222-Y-R-S
1-200µl	Yellow	Bevelled, Reference	Stack Rack	TR-222-Y-STK

MAXIMUM
RECOVERY



Graduation marks at 10, 50 and 100µl



Fits: Universal. See Tip Compatibility Tables, pages 19-23

Packaging Description:

Bulk = 1000 tips/pack, 20 packs/case; Racked = 96 tips/rack, 10 racks/pack, 5 packs/case
Stack Racks = 96 tips/rack, 5 racks/stack, 10 stacks/case

Universal Fit TIPS



fits popular brands of pipettors

200µl, wide bore



Orifice size: 0.062"/1.52mm



Wide bore tips are ideal for pipetting viscous materials, genomic DNA or delicate cell cultures

Volume	Tip Color	Tip Type	Packaging	Oxygen Cat #
1-200µl	Clear	Maxymum Recovery	Bulk	T-205-WB-C-L
1-200µl	Clear	Maxymum Recovery	Racked	T-205-WB-C-L-R
1-200µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	T-205-WB-C-L-R-S
1-200µl	Clear	Wide Bore	Bulk	T-205-WB-C
1-200µl	Clear	Wide Bore	Racked	T-205-WB-C-R
1-200µl	Clear	Wide Bore	Racked, Pre-Sterilized	T-205-WB-C-R-S

Packaging Description:

Bulk = 1000 tips/pack, 20 packs/case; Racked = 96 tips/rack, 10 racks/pack, 5 packs/case

Fits: Universal. See Tip Compatibility Tables, pages 19-23

250µl, bevelled, reference



Graduation marks at 10, 50 and 100µl

1-250µl	Clear	Maxymum Recovery	Bulk	TR-333-C-L
1-250µl	Clear	Maxymum Recovery	Racked	TR-333-C-L-R
1-250µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	TR-333-C-L-R-S
1-250µl	Clear	Bevelled, Reference	Bulk	TR-333-C
1-250µl	Clear	Bevelled, Reference	Racked	TR-333-C-R
1-250µl	Clear	Bevelled, Reference	Racked, Pre-Sterilized	TR-333-C-R-S

Packaging Description:

Bulk = 1000 tips/pack, 20 packs/case; Racked = 96 tips/rack, 10 racks/pack, 5 packs/case

Fits: Universal. See Tip Compatibility Tables, pages 19-23

300µl, fine-point



1-300µl	Clear	Maxymum Recovery	Bulk	T-350-C-L
1-300µl	Clear	Maxymum Recovery	Racked	T-350-C-L-R
1-300µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	T-350-C-L-R-S
1-300µl	Clear	Fine-Point	Bulk	T-350-C
1-300µl	Clear	Fine-Point	Racked	T-350-C-R
1-300µl	Clear	Fine-Point	Racked, Pre-Sterilized	T-350-C-R-S

Fits: Universal. See Tip Compatibility Tables, pages 19-23

Packaging Description:

Bulk = 1000 tips/pack, 10 packs/case; Racked = 96 tips/rack, 10 racks/pack, 5 packs/case

Fits: Universal. See Tip Compatibility Tables, pages 19-23

1000µl, bevelled



100-1000µl	Blue	Bevelled	Bulk	T-1000-B
100-1000µl	Blue	Bevelled	Racked	T-1000-B-R
100-1000µl	Blue	Bevelled	Racked, Pre-Sterilized	T-1000-B-R-S

Packaging Description:

Bulk = 1000 tips/pack, 5 packs/case; Racked = 100 tips/rack, 10 racks/pack, 5 packs/case

Fits: Universal. See Tip Compatibility Tables, pages 19-23



1000µl, bevelled

Volume	Tip Color	Tip Type	Packaging	Axygen Cat #
100-1000µl	Clear	Maxymum Recovery	Bulk	T-1000-C-L
100-1000µl	Clear	Maxymum Recovery	Racked	T-1000-C-L-R
100-1000µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	T-1000-C-L-R-S
100-1000µl	Clear	Bevelled	Bulk	T-1000-C
100-1000µl	Clear	Bevelled	Racked	T-1000-C-R
100-1000µl	Clear	Bevelled	Racked, Pre-Sterilized	T-1000-C-R-S

Packaging Description: Bulk = 1000 tips/pack, 5 packs/case; Racked = 100 tips/rack, 10 racks/pack, 5 packs/case

Fits: Universal. See Tip Compatibility Tables, pages 19-23

1000µl, wide bore

100-1000µl	Clear	Maxymum Recovery	Bulk	T-1005-WB-C-L
100-1000µl	Clear	Maxymum Recovery	Racked	T-1005-WB-C-L-R
100-1000µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	T-1005-WB-C-L-R-S
100-1000µl	Clear	Wide Bore	Bulk	T-1005-WB-C
100-1000µl	Clear	Wide Bore	Racked	T-1005-WB-C-R
100-1000µl	Clear	Wide Bore	Racked, Pre-Sterilized	T-1005-WB-C-R-S

Packaging Description: Bulk = 1000 tips/pack, 5 packs/case; Racked = 100 tips/rack, 10 racks/pack, 5 packs/case

Fits: Universal. See Tip Compatibility Tables, pages 19-23

1200µl, bevelled

100-1200µl	Clear	Bevelled	Bulk	T-1200-C
100-1200µl	Clear	Bevelled	Racked	T-1200-C-R
100-1200µl	Clear	Bevelled	Racked, Pre-Sterilized	T-1200-C-R-S

Packaging Description: Bulk = 1000 tips/pack, 5 packs/case; Racked = 96 tips/rack, 12 racks/pack, 3 packs/case

Fits: Universal. See Tip Compatibility Tables, pages 19-23

1000µl, Eppendorf compatible

100-1000µl	Blue	Maxymum Recovery	Bulk	TE-1004-B-L
100-1000µl	Blue	Maxymum Recovery	Racked	TE-1004-B-L-R
100-1000µl	Blue	Maxymum Recovery	Racked, Pre-Sterilized	TE-1004-B-L-R-S
100-1000µl	Blue	Eppendorf-style	Bulk	TE-1004-B
100-1000µl	Blue	Eppendorf-style	Racked	TE-1004-B-R
100-1000µl	Blue	Eppendorf-style	Racked, Pre-Sterilized	TE-1004-B-R-S

Packaging Description: Bulk = 500 tips/pack, 10 packs/case; Racked = 96 tips/rack, 12 racks/pack, 3 packs/case

1250µl, bevelled

15-1250µl	Clear	Maxymum Recovery	Bulk	MTX-1250-C-L
15-1250µl	Clear	Maxymum Recovery	Racked	MTX-1250-C-L-R
15-1250µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	MTX-1250-C-L-R-S
15-1250µl	Clear	Matrix-style	Bulk	MTX-1250-C
15-1250µl	Clear	Matrix-style	Racked	MTX-1250-C-R
15-1250µl	Clear	Matrix-style	Racked, Pre-Sterilized	MTX-1250-C-R-S

Packaging Description: Bulk = 500 tips/pack, 10 packs/case; Racked = 96 tips/rack, 12 racks/pack, 3 packs/case

Fits: Matrix Impact® and Impact²™ brand pipettors

Fits: Universal. See Tip Compatibility Tables, pages 19-23



Orifice size: 0.065"/1.6mm



Graduation marks at 110µl and 500µl



Axypet-16 384-FORMAT TIPS



Axypet-16



volume control



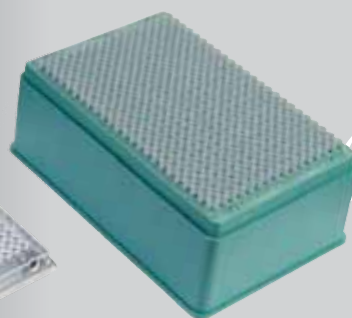
tip ejection



tip holders

- 16-channel pipettor for 384/1536-well formats
- One-hand volume adjustment and volume locking
- Adapts fully to left and right-handed use
- Autoclavable
- Available in 0.2-2µl, 0.5-10µl, 5-50µl
- Ergonomic handle allows easy operation
- Plunger cap color coded for ease of identification

Volume	Color Code	Accuracy ±%	Precision ±% (CV)	Axygen Cat #
0.2 - 2µl	violet	12 - 2.0	6.0 - 1.0	AP-16-2
0.5 - 10µl	white	2.5 - 1.0	1.8 - 0.5	AP-16
5 - 50µl	red	2.5 - 1.0	1.8 - 0.5	AP-16-50



AXYPET-16

60µl

for 384-well pipetting



MAXIMUM RECOVERY

Volume	Tip Color	Tip Type	Packaging	Axygen Cat #
0.5-60µl	Clear	Maxymum Recovery	Racked	T-384-L-R
0.5-60µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	T-384-L-R-S
0.5-60µl	Clear	Microvolume	Racked	T-384-R
0.5-60µl	Clear	Microvolume	Racked, Pre-Sterilized	T-384-R-S



MAXIMUM RECOVERY

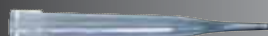
0.5-30µl	Clear	Maxymum Recovery	Filter, Racked, Pre-Sterilized	TF-384-30-L-R-S
0.5-30µl	Clear	Microvolume	Filter, Racked, Pre-Sterilized	TF-384-30-R-S

Packaging Description:

Racked = 384 tips/rack, 10 racks/pack, 5 packs/case

30µl

for 1536-well pipetting



MAXIMUM RECOVERY

0.5-30µl	Clear	Maxymum Recovery	Racked	T-1536-L-R
0.5-30µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	T-1536-L-R-S
0.5-30µl	Clear	Microvolume	Racked	T-1536-R
0.5-30µl	Clear	Microvolume	Racked, Pre-Sterilized	T-1536-R-S

Packaging Description:

Racked = 384 tips/rack, 10 racks/pack, 5 packs/case

50µl

Finnpipette® Focus Multi-channel Plus



5-50µl	Clear	Microvolume	Racked	FPT-384-R
5-50µl	Clear	Microvolume	Racked, Pre-Sterilized	FPT-384-R-S

Packaging Description:

Racked = 384 tips/rack, 10 racks/pack, 5 packs/case



Macrovolume

TIPS

15//



5ml

Volume	Tip Color	Tip Type	Packaging	Axygen Cat #
1000-5000µl	Clear	Macrovolume	Bulk	T-5000-C

Fits: Gilson P5000 and MLA pipettor

Packaging Description: Bulk = 250 tips/pack, 10 packs/case



• Graduation marks at 1, 2, 3, 4, 5ml and 0.5ml increments in between

10ml

1-10ml	Clear	Macrovolume	Bulk	T-10ML-C
--------	-------	-------------	------	----------

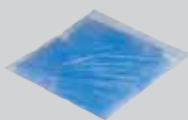
Fits: Gilson P10ML and MLA pipettor

Packaging Description: Bulk = 200 tips/pack, 10 packs/case



Tip Packaging Options

Bulk Packaging



Pipette tips are available in bulk-packaged, re-sealable plastic bags – keeping them safe from contamination.

Hinged Racks



Axygen tip racks in durable polypropylene provide good stability on the lab bench. They feature a hinged lid with a snap fastener.

Hinged Racks, Sterile



Axygen pre-sterilized tips are e-beam irradiated to reduce tip embrittlement and enhance product shelf-life.

Stack Racks



Axygen inter-locking stack racks offer stability for the tips while saving valuable lab bench space.

Certificates of Compliance available by lot number on-line : www.axxygen.com

Autoclaving Conditions



121°C



15 minutes



15 psi

Autoclaving Guidelines

To ensure successful steam sterilization of your plastic labware please adhere to the following guideline:

Autoclave all plastic consumables at 121°C for 15 minutes, 15psi/1 atm.

Do not use a dry cycle as this may cause deformation or weakening of the plastic.

Allow temperature within the autoclave to return to at least 80°C before removing product.

NOT ALL PRODUCTS ARE AUTOCLAVABLE



Microvolume



- Technologically advanced filter material allows free passage of air while preventing passage of aerosols
- Filter contains no leachable additives
- Maxymum Recovery technology guarantees unsurpassed accuracy and prevents wastage of precious samples

10µl



Volume	Tip Color	Tip Type	Packaging	Axygen Cat #
0.5-10µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	TF-300-L-R-S
0.5-10µl	Clear	Microvolume	Bulk	TF-300
0.5-10µl	Clear	Microvolume	Racked, Pre-Sterilized	TF-300-R-S

Packaging Description: Bulk = 1000 tips/pack, 10 packs/case; Racked = 96 tips/rack, 10 racks/pack, 5 packs/case
Fits: Universal and Pipetman P2/P10 pipettor. See pages 19-23 for comprehensive fit information.

10µl



Close up
of tip end



0.5-10µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	TXLF-10-L-R-S
0.5-10µl	Clear	Microvolume, Extended	Bulk	TXLF-10
0.5-10µl	Clear	Microvolume, Extended	Racked, Pre-Sterilized	TXLF-10-R-S

Packaging Description: Bulk = 1000 tips/pack, 10 packs/case; Racked = 96 tips/rack, 10 racks/pack, 5 packs/case
Fits: as above but extended length eliminates carry-over contamination by preventing the pipettor barrel entering the sample tube.

10µl



0.5-10µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	TF-400-L-R-S
0.5-10µl	Clear	Ultra Micro	Bulk	TF-400
0.5-10µl	Clear	Ultra Micro	Racked, Pre-Sterilized	TF-400-R-S

Packaging Description: Bulk = 1000 tips/pack, 10 packs/case; Racked = 96 tips/rack, 10 racks/pack, 5 packs/case
Fits: Eppendorf Research* 0.5-10µl. See pages 19-23 for comprehensive fit information.

20µl



0.5-20µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	TF-420-L-R-S
0.5-20µl	Clear	Ultra Micro	Racked, Pre-Sterilized	TF-420-R-S

Packaging Description: Racked = 96 tips/rack, 10 racks/pack, 5 packs/case
Fits: Eppendorf Research* 2-20µl. See pages 19-23 for comprehensive fit information.



Aerosol Barrier

TIPS

17 //

20-200µl



20µl

Volume	Tip Color	Tip Type	Packaging	Axygen Cat #
0.5-20µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	TF-20-L-R-S
0.5-20µl	Clear	Universal	Bulk	TF-20
0.5-20µl	Clear	Universal	Racked, Pre-Sterilized	TF-20-R-S



Fits: Pipetman® P-20 pipettor. See pages 19-23 for comprehensive fit information.

Packaging Description: Bulk = 1000 tips/pack, 10 packs/case; Racked = 96 tips/rack, 10 racks/pack, 5 packs/case

50µl

0.5-50µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	TF-50-L-R-S
0.5-50µl	Clear	Universal	Bulk	TF-50
0.5-50µl	Clear	Universal	Racked, Pre-Sterilized	TF-50-R-S



Fits: Finnpiptette 5-40µl. See pages 19-23 for comprehensive fit information.

Packaging Description: Bulk = 1000 tips/pack, 10 packs/case; Racked = 96 tips/rack, 10 racks/pack, 5 packs/case

100µl

1-100µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	TF-100-L-R-S
1-100µl	Clear	Universal	Bulk	TF-100
1-100µl	Clear	Universal	Racked, Pre-Sterilized	TF-100-R-S



Fits: Pipetman P-100. See pages 19-23 for comprehensive fit information.

Packaging Description: Bulk = 1000 tips/pack, 10 packs/case; Racked = 96 tips/rack, 10 racks/pack, 5 packs/case

150µl

1-150µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	TF-150-L-R-S
1-150µl	Clear	Universal	Racked, Pre-Sterilized	TF-150-R-S



Fits: Pipetman P-200. See pages 19-23 for comprehensive fit information.

Packaging Description: Bulk = 1000 tips/pack, 10 packs/case; Racked = 96 tips/rack, 10 racks/pack, 5 packs/case

200µl

1-200µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	TF-200-L-R-S
1-200µl	Clear	Universal	Bulk	TF-200
1-200µl	Clear	Universal	Racked, Pre-Sterilized	TF-200-R-S



Fits: Pipetman P-200. See pages 19-23 for comprehensive fit information.

Packaging Description: Bulk = 1000 tips/pack, 10 packs/case; Racked = 96 tips/rack, 10 racks/pack, 5 packs/case

200µl, wide bore

1-200µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	TF-205-WB-L-R-S
1-200µl	Clear	Wide Bore	Racked, Pre-Sterilized	TF-205-WB-R-S



Fits: Pipetman P-200. See pages 19-23 for comprehensive fit information.

Packaging Description: Racked = 96 tips/rack, 10 racks/pack, 5 packs/case

Wide bore tips are ideal for
pipetting viscous materials,
genomic DNA or delicate
cell cultures





300-1250µl

300µl



Volume	Tip Color	Tip Type	Packaging	Axygen Cat #
1-300µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	TF-350-L-R-S
1-300µl	Clear	Universal	Bulk	TF-350
1-300µl	Clear	Universal	Racked, Pre-Sterilized	TF-350-R-S

Fits: See pages 19-23 for comprehensive fit information.

Packaging Description: Bulk = 1000 tips/pack, 10 packs/case; Racked = 96 tips/rack, 10 racks/pack, 5 packs/case.

500µl



10-500µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	TF-500-L-R-S
10-500µl	Clear	Universal	Racked, Pre-Sterilized	TF-500-R-S

Fits: See pages 19-23 for comprehensive fit information.

Packaging Description: Racked = 100 tips/rack, 10 racks/pack, 5 packs/case.

1000µl



100-1000µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	TF-1000-L-R-S
100-1000µl	Clear	Universal	Bulk	TF-1000
100-1000µl	Clear	Universal	Racked, Pre-Sterilized	TF-1000-R-S

Fits: See pages 19-23 for comprehensive fit information.

Packaging Description: Bulk = 1000 tips/pack, 5 packs/case; Racked = 100 tips/rack, 10 racks/pack, 5 packs/case.

1000µl, wide bore



100-1000µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	TF-1005-WB-L-R-S
100-1000µl	Clear	Wide Bore	Racked, Pre-Sterilized	TF-1005-WB-R-S

Fits: See pages 19-23 for comprehensive fit information.

Packaging Description: Racked = 100 tips/rack, 10 racks/pack, 5 packs/case.

1100µl



100-1100µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	TF-1200-C-L-R-S
100-1100µl	Clear	Bevelled	Racked, Pre-Sterilized	TF-1200-C-R-S

Fits: See pages 19-23 for comprehensive fit information.

Packaging Description: Racked = 96 tips/rack, 12 racks/pack, 3 packs/case.

1250µl



15-1250µl	Clear	Maxymum Recovery	Racked, Pre-Sterilized	MTXF-1250-C-L-R-S
15-1250µl	Clear	Matrix -style	Racked, Pre-Sterilized	MTXF-1250-C-R-S

Fits: See pages 19-23 for comprehensive fit information.

Packaging Description: Racked = 96 tips/rack, 12 racks/pack, 3 packs/case.

**Pipettor Brand/make >****Volume Range >**

Volume/Oxygen Tip

page #

Biohit m-Line					BrandTech Transferpette										BrandTech Transferpette					Capp Aero					(384 format			Eppendorf						
(single)		(multi-ch)			(single channel)										(multi-channel)					(single/multi-channel)					multi-channel)			Electronic						
20-200µl	100-1000µl	0.5-10µl	5-100µl	30-300µl	0.1-1µl	0.5-10µl	2-20µl	2-20µl	5-50µl	10-100µl	20-200µl	25-250µl	100-1000µl	0.5-10µl	2-20µl	2.5-25µl	5-50µl	10-100µl	20-200µl	30-300µl	0.2-2µl	0.5-10µl	5-50µl	10-100µl	25-200µl	50-300µl	100-1000µl	0.2-2µl	0.5-10µl	5-50µl	0.5-10µl	5-100µl	2-200µl	50-1000µl

NON FILTER TIPS

[illegible]

AEROSOL BARRIER TIPS

The figure displays a 20x20 grid divided into four colored quadrants, each containing checkmarks representing data points. The quadrants are: a purple quadrant (top-left), an orange quadrant (top-right), a teal quadrant (bottom-left), and a light purple quadrant (bottom-right). The checkmarks are distributed as follows:

- Purple Quadrant (Top-Left):** 10 checkmarks.
- Orange Quadrant (Top-Right):** 15 checkmarks.
- Teal Quadrant (Bottom-Left):** 10 checkmarks.
- Light Purple Quadrant (Bottom-Right):** 10 checkmarks.

**Pipettor Brand/make >**

Volume Range >

Volume/Oxygen Tip

page #

Labnet LabPette (single channel)						Labnet LabPette (multi-channel)				Labnet BioPette E (single channel)				Labnet BioPette E (multi-channel)				Matrix Impact/ Impact [®] (s/mc)		Nichiryo/Oxford Benchmate				Rainin EDP3 (single channel)							
0.1-2µl	0.5-10µl	2-20µl	10-100µl	20-200µl	100-1000µl	1-10µl	5-50µl	20-200µl	50-300µl	0.5-10µl	2-20µl	10-200µl	100-1000µl	0.5-10µl	2-20µl	10-200µl	100-1200µl	2-125µl	5-250µl	15-1250µl	0.5-10µl	2-20µl	10-50µl	10-100µl	20-200µl	100-1000µl	E-MC-10, 0.5-10µl	E2-25, 2.5-25µl	E2-100, 10-100µl	E2-250, 25-250µl	E2-1000, 100-1000µl

NON FILTER TIPS

[illegible]

AEROSOL BARRIER TIPS

[illegible]

	(multi-channel)	Rainin Latch Mode	Socorex Calibra/Accura (single channel)	(multi-channel)	VWR and VWR Signature (single channel)	(multi-channel)
	EP-M8-10, 0.5-10µl	R2, 0.1-2µl	0.1-2µl	1-10µl	0.1-2µl	1-10µl
	EP-M8-250, 10-250µl	R10, 0.2-10µl	0.2-2µl	5-50µl	0.5-10µl	5-50µl
		R20, 2-20µl	0.5-10µl	10-100µl	2-20µl	20-200µl
		R100, 10-100µl	1-10µl	20-200µl	5-50µl	50-250µl
		R200, 20-200µl	2-20µl	50-200µl	10-100µl	100-1000µl
		R1000, 100-1000µl	10-100µl		20-200µl	1-10µl
			20-200µl		50-250µl	5-50µl
			100-1000µl			20-200µl
						50-300µl

< Pipettor Brand/make

< Volume Range

NON FILTER TIPS

[illegible]

page #

Volume/Oxygen Tip

14	0.5-60μl, T-384
14	0.5-30μl, T-1536
10	0.5-10μl, T-300
10	0.5-10μl, TXL-10
10	0.5-20μl, T-400
11	1-200μl, T-200
11	1-200μl, TE-204
12	1-200μl, T-205-WB
11	1-200μl, T-210
11	1-200μl, TR-222
12	1-250μl, TR-333
12	1-300μl, T-350
12	100-1000μl, T-1000
13	100-1000μl, TE-1004
13	100-1000μl, T-1005-WB
13	100-1200μl, T-1200
13	15-1250μl, MTX-1250

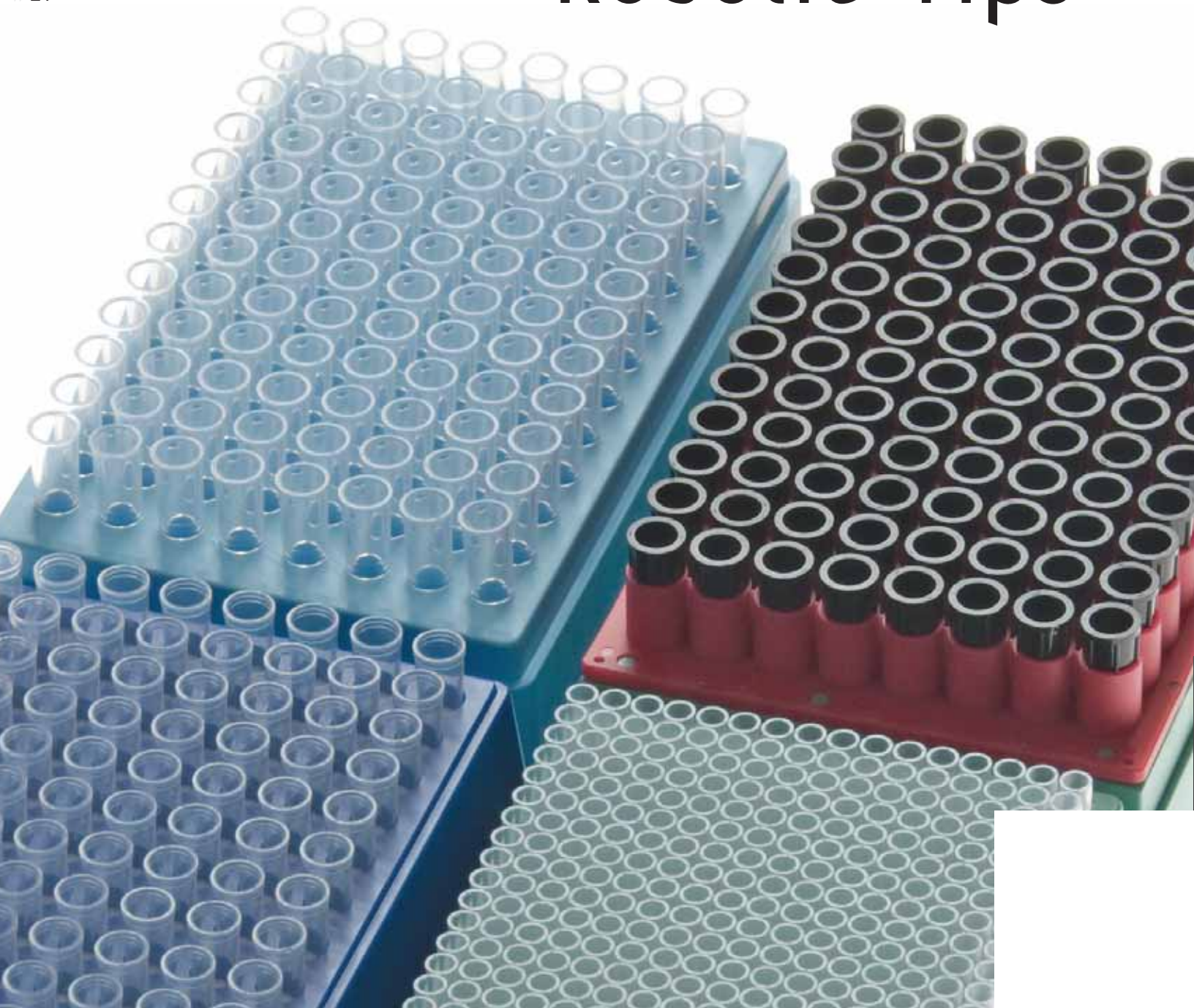
AEROSOL BARRIER TIPS

The image displays a 20x20 grid divided into three vertical regions of different colors: purple (left), blue (middle), and yellow (right). Each region contains a sparse distribution of checkmarks (✓) at various grid intersections.

- Purple Region (Columns 1-5):** Contains 14 checkmarks. Notable locations include (1,1), (1,2), (1,4), (1,5), (1,7), (1,10), (1,13), (1,16), (1,19), (1,20), (2,1), (2,2), (2,4), (2,5), (2,7), (2,10), (2,13), (2,16), (2,19), (2,20), (3,1), (3,2), (3,4), (3,5), (3,7), (3,10), (3,13), (3,16), (3,19), (3,20), (4,1), (4,2), (4,4), (4,5), (4,7), (4,10), (4,13), (4,16), (4,19), (4,20), (5,1), (5,2), (5,4), (5,5), (5,7), (5,10), (5,13), (5,16), (5,19), (5,20).
- Blue Region (Columns 6-14):** Contains 14 checkmarks. Notable locations include (6,1), (6,2), (6,4), (6,5), (6,7), (6,10), (6,13), (6,16), (6,19), (6,20), (7,1), (7,2), (7,4), (7,5), (7,7), (7,10), (7,13), (7,16), (7,19), (7,20), (8,1), (8,2), (8,4), (8,5), (8,7), (8,10), (8,13), (8,16), (8,19), (8,20), (9,1), (9,2), (9,4), (9,5), (9,7), (9,10), (9,13), (9,16), (9,19), (9,20), (10,1), (10,2), (10,4), (10,5), (10,7), (10,10), (10,13), (10,16), (10,19), (10,20), (11,1), (11,2), (11,4), (11,5), (11,7), (11,10), (11,13), (11,16), (11,19), (11,20), (12,1), (12,2), (12,4), (12,5), (12,7), (12,10), (12,13), (12,16), (12,19), (12,20), (13,1), (13,2), (13,4), (13,5), (13,7), (13,10), (13,13), (13,16), (13,19), (13,20), (14,1), (14,2), (14,4), (14,5), (14,7), (14,10), (14,13), (14,16), (14,19), (14,20).
- Yellow Region (Columns 15-20):** Contains 14 checkmarks. Notable locations include (15,1), (15,2), (15,4), (15,5), (15,7), (15,10), (15,13), (15,16), (15,19), (15,20), (16,1), (16,2), (16,4), (16,5), (16,7), (16,10), (16,13), (16,16), (16,19), (16,20), (17,1), (17,2), (17,4), (17,5), (17,7), (17,10), (17,13), (17,16), (17,19), (17,20), (18,1), (18,2), (18,4), (18,5), (18,7), (18,10), (18,13), (18,16), (18,19), (18,20), (19,1), (19,2), (19,4), (19,5), (19,7), (19,10), (19,13), (19,16), (19,19), (19,20), (20,1), (20,2), (20,4), (20,5), (20,7), (20,10), (20,13), (20,16), (20,19), (20,20).

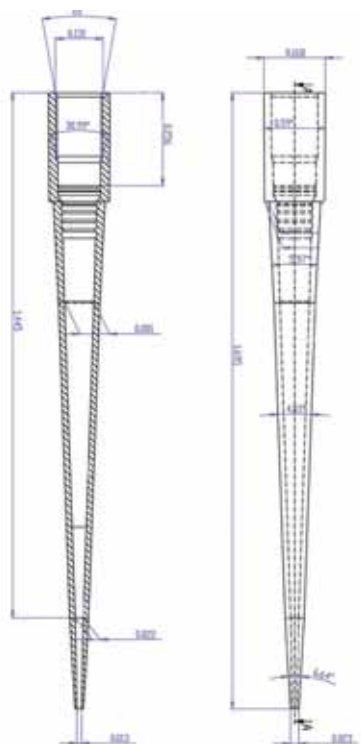
16	0.5-30μl, TF-384-30
16	0.5-10μl, TF-300
16	0.5-10μl, TXLF-10
16	0.5-10μl, TF-400
16	0.5-20μl, TF-420
17	0.5-20μl, TF-20
17	0.5-50μl, TF-50
17	1-100μl, TF-100
17	1-150μl, TF-150
17	1-200μl, TF-200
17	1-200μl, TF-205-WB
18	1-300μl, TF-350
18	10-500μl, TF-500
18	100-1000μl, TF-1000
18	100-1000μl, TF-1005-WB
18	100-1100μl, TF-1200
18	15-1250μl, MTXF-1250

Robotic Tips



ACCURATE SAMPLE DELIVERY IS A FUNCTION OF BOTH ROBOTIC SYSTEM AND TIP PERFORMANCE

With the advent of high throughput screening and UHTS, reliable and accurate sample preparation has become more critical than ever. Why risk having your work slowed down and time wasted by defective materials and mediocre performance, when you can place your trust in disposables from a company that offers so much more? Our expertise in plastic molding has enabled us to create an entire line of **MAXIMUM RECOVERY** robotic tips. **MAXIMUM RECOVERY** virtually eliminates sample retention during aspiration and dispensing for performance that is second to none in the industry.



Axygen's unique diamond-polished molding technology:

- No mold-releasing agents used
- Contamination-free
- Reduced sample retention
- Optimized performance

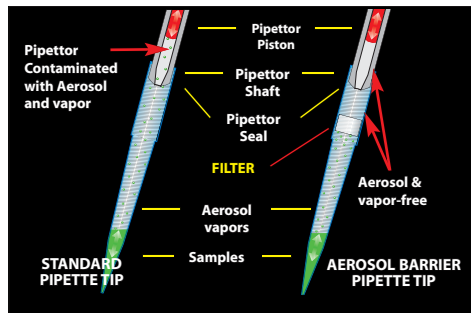
- Engineered to the exact same specifications of the workstation vendor's tips to ensure complete compatibility and consistent fit.
- Wide product offering combined with in-house engineering expertise guarantees optimum workstation performance.
- Complete control of manufacturing process from in-house molding to the most stringent QA and QC testing processes in the industry ensures defects are eliminated.
- Nucleic acid, nuclease and endotoxin-safe for complete protection against contamination.



Axygen products are manufactured in a clean, controlled "state of the art" facility and certified RNase-, DNase- and endotoxin-safe.



Hydrophobic aerosol barrier tips offer the ultimate in protection against contamination. Their use is particularly appropriate in mission critical applications such as PCR, DNA sequencing and other techniques involving the use of vaporous, radioactive, biohazardous or corrosive materials.





7 compelling reasons

1 IN-HOUSE MOLD MAKING

Engineering team has tremendous expertise in designing/ creating molds that produce consistent, high quality products.

2 AUTOMATED ASSEMBLY

Non-sterile product certified nucleic acid and nuclease safe.

3 ELECTRONIC MONITORING OF MANUFACTURING

Advanced technology supported by experienced personnel results in higher quality products.



Axygen provided us significant support in converting our equipment to Axxygen product. Axxygen is the most reliable disposables (tips, plates, tubes....) supplier that we have!

L.K. Monogram Biosciences,
South San Francisco, California, USA

WHAT OUR EXISTING CUSTOMERS TELL US!

27 //

"I have used Axxygen tips for reformatting of a compound library of 30,000 compounds on a Biomek FX using a Span-8. I have been extremely pleased with the consistency of the volume delivered, the straightness of the tips as well as the reliability. Out of the 30,000 compounds one single compound dropped out."

R.D. Los Angeles, California, USA

"One of the reasons we prefer working with Axxygen is that they have so many more choices of tips than other suppliers. Where Beckman offers two sizes of tips, Axxygen offers five!" *

J.L. Research Triangle Park, North Carolina, USA

to choose Axxygen Robotic Tips

4 UNIQUE TECHNOLOGY

Available in Maxymum Recovery to further improve accuracy and precision while reducing sample wastage.

5 CUSTOMER-SITE TESTING OF NEW PRODUCTS

Tips work on the specified workstations.

6 EXTREMELY BROAD PRODUCT OFFERING

Axygen routinely offers tips not offered by the robotic workstation manufacturer.



Your natural choice for Robotic tips!

"Axxygen's Maxymum Recovery tips solved a significant sample hang-up problem for us. Knowing we're getting nearly 100% of our sample dispensed means we have one less thing to worry about."

C.C. Cambridge University,
Cambridge, UK

"Axxygen was heroic in their efforts in helping us convert our equipment to Maxymum Recovery tips when our previous supplier shut us down."

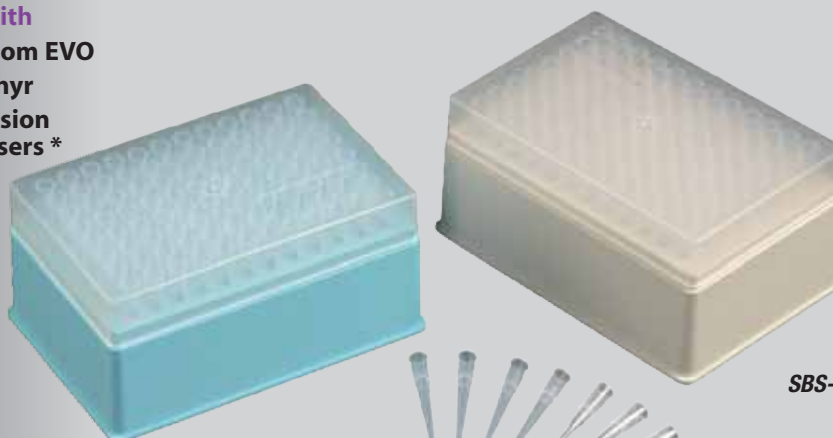
A.Z. San Diego, California, USA



Tecan Freedom EVO

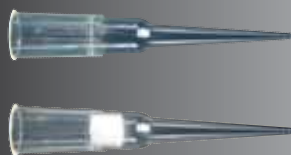
Compatible with

- Tecan Freedom EVO
- Caliper Zephyr
- Biotek Precision Autodispensers *



SBS-footprint Rack

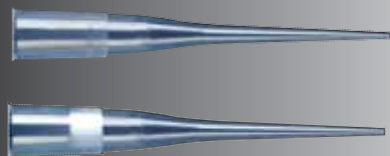
50µl



Volume	Tip Color	Tip Type	Rack Color	Axygen Cat #
50µl	Clear	Racked, Non-sterile	Light Green	EV-50-R
50µl	Clear	Racked, Pre-sterilized	Light Green	EV-50-R-S
50µl	Clear	Filtered, Racked, Pre-sterilized	Light Green	EVF-50-R-S

Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

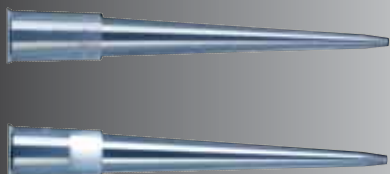
100µl



100µl	Clear	Racked, Non-sterile	Light Grey	EV-100-R
100µl	Clear	Racked, Pre-sterilized	Light Grey	EV-100-R-S
100µl	Clear	Filtered, Racked, Pre-sterilized	Light Grey	EVF-100-R-S

Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

200µl



200µl	Clear	Racked, Non-sterile	Light Blue	EV-200-R
200µl	Clear	Racked, Pre-sterilized	Light Blue	EV-200-R-S
180µl	Clear	Filtered, Racked, Pre-sterilized	Light Blue	EVF-180-R-S

Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

**Compatible with the following Hanging Tip (white wafer) workstations:**

- Tecan Genesis, Freedom, EVO and Cavo workstations

- PerkinElmer/Packard Janus/ Multiprobe II HT & Multiprobe II HT EX

NEW!

Blister Pack Format



Cardboard Format



Unless otherwise indicated, all Catalog Numbers come packaged in a blister pack format.

Volume	Tip Color	Tip Type	Oxygen Cat #
--------	-----------	----------	--------------

Tecan-style Liquid Level Sensing Tips

20µl	Black	Liquid Level Sensing, Non-sterile	TT-20-CBK-HTR
20µl	Black	Liquid Level Sensing, Cardboard Pack, Non-sterile	TT-20-CBK-HTR-36*
20µl	Black	Liquid Level Sensing, Pre-sterilized	TT-20-CBK-HTR-S
20µl	Black	Liquid Level Sensing, Filter, Pre-sterilized	TTF-20-CBK-HTR-S

Packaging Description: 96 tips/wafer, 24 wafers/ case; *96 tips/wafer, 72 wafers/case

20µl

50µl	Black	Liquid Level Sensing, Non-sterile	TT-50-CBK-HTR
50µl	Black	Liquid Level Sensing, Cardboard Pack	TT-50-CBK-HTR-36*
50µl	Black	Liquid Level Sensing, Pre-sterilized	TT-50-CBK-HTR-S
50µl	Black	Liquid Level Sensing, Filter, Pre-sterilized	TTF-50-CBK-HTR-S

Packaging Description: 96 tips/wafer, 24 wafers/ case; *96 tips/wafer, 72 wafers/case

50µl

200µl	Black	Liquid Level Sensing, Non-sterile	TT-200-CBK-HTR
200µl	Black	Liquid Level Sensing, Cardboard Pack, Non-sterile	TT-200-CBK-HTR-36*
200µl	Black	Liquid Level Sensing, Pre-sterilized	TT-200-CBK-HTR-S
200µl	Black	Liquid Level Sensing, Filter, Pre-sterilized	TTF-200-CBK-HTR-S

Packaging Description: 96 tips/wafer, 24 wafers/ case; *96 tips/wafer, 72 wafers/case

200µl

1000µl	Black	Liquid Level Sensing, Non-sterile	TT-1000-CBK-HTR
1000µl	Black	Liquid Level Sensing, Cardboard Pack, Non-sterile	TT-1000-CBK-HTR-24*
1000µl	Black	Liquid Level Sensing, Pre-sterilized	TT-1000-CBK-HTR-S
1000µl	Black	Liquid Level Sensing, Filter, Pre-sterilized	TTF-1000-CBK-HTR-S

Packaging Description: 96 tips/wafer, 16 wafers/ case; *96 tips/wafer, 48 wafers/case

1000µl**Tecan-style Clear Tips**

20µl	Clear	Non-sterile	TT-20-C-HTR
20µl	Clear	Pre-sterilized	TT-20-C-HTR-S
20µl	Clear	Filter, Pre-sterilized	TTF-20-C-HTR-S

Packaging Description: 96 tips/wafer, 24 wafers/ case

20µl

50µl	Clear	Non-sterile	TT-50-C-HTR
50µl	Clear	Pre-sterilized	TT-50-C-HTR-S
50µl	Clear	Filter, Pre-sterilized	TTF-50-C-HTR-S

Packaging Description: 96 tips/wafer, 24 wafers/ case

50µl

200µl	Clear	Non-sterile	TT-200-C-HTR
200µl	Clear	Pre-sterilized	TT-200-C-HTR-S
200µl	Clear	Filter, Pre-sterilized	TTF-200-C-HTR-S

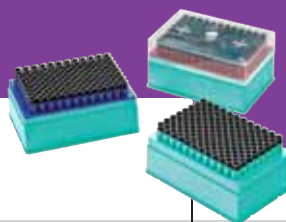
Packaging Description: 96 tips/wafer, 24 wafers/ case

200µl

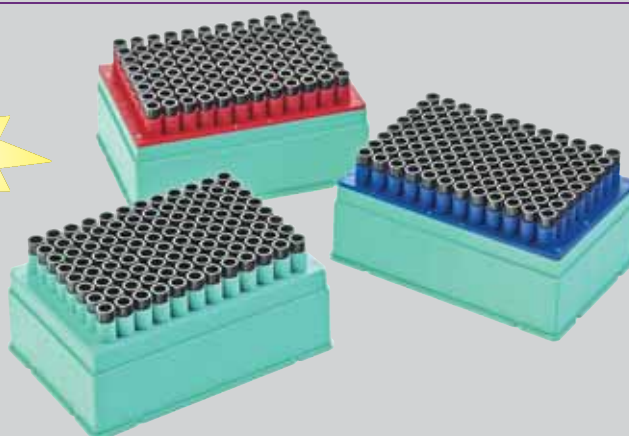
1000µl	Clear	Non-sterile	TT-1000-C-HTR
1000µl	Clear	Pre-sterilized	TT-1000-C-HTR-S
1000µl	Clear	Filter, Pre-sterilized	TTF-1000-C-HTR-S

Packaging Description: 96 tips/wafer, 16 wafers/ case

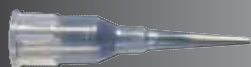
1000µl



PerkinElmer Janus (Roborack)



20µl



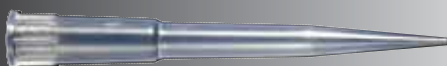
Volume	Tip Color	Tip Type	Rack Color Insert	Axygen Cat #
20µl	Black	Liquid Level Sensing, Racked, Non-sterile	Blue	RRP-20-CBK-R
20µl	Clear	Clear, Racked, Non-sterile	Blue	RRP-20-C-R
<i>Packaging Description:</i>		96 tips/rack, 10 racks/pack, 5 packs/case		

50µl



50µl	Black	Liquid Level Sensing, Racked, Non-sterile	Green	RRP-50-CBK-R
25µl	Black	Liquid Level Sensing, Filter, Racked, Pre-sterilized	Green	RRF-25-CBK-R-S
50µl	Clear	Clear, Racked, Non-sterile	Green	RRP-50-C-R
25µl	Clear	Clear, Filter, Racked, Pre-sterilized	Green	RRF-25-C-R-S
<i>Packaging Description:</i>		96 tips/rack, 10 racks/pack, 5 packs/case		

200µl



200µl	Black	Liquid Level Sensing, Racked, Non-sterile	Red	RRP-200-CBK-R
175µl	Black	Liquid Level Sensing, Filter, Racked, Pre-sterilized	Red	RRF-175-CBK-R-S
200µl	Clear	Clear, Racked, Non-sterile	Red	RRP-200-C-R
175µl	Clear	Clear, Filter, Racked, Pre-sterilized	Red	RRF-175-C-R-S
<i>Packaging Description:</i>		96 tips/rack, 10 racks/pack, 5 packs/case		

1000µl tip shown on page 29 also compatible with PerkinElmer Janus (Roborack)



Biomek 1000 and 2000

Benefits of **MAXIMUM RECOVERY** Technology

- Reduces sample loss
- Improves reproducibility

- Improves accuracy
- Minimizes usage of precious samples and reagents



20µl

Volume	Tip Color	Tip Type	Rack Color	Axygen Cat #
20µl	Clear	Maxymum Recovery, Racked	Grey	BT-20-L-R
20µl	Clear	Maxymum Recovery, Racked, Pre-Sterilized	Grey	BT-20-L-R-S
20µl	Clear	Maxymum Recovery, Filter, Racked, Pre-Sterilized	Grey	BTF-20-L-R-S
20µl	Clear	Racked	Grey	BT-20-R
20µl	Clear	Racked, Pre-Sterilized	Grey	BT-20-R-S
20µl	Clear	Filter, Racked, Pre-Sterilized	Grey	BTF-20-R-S

Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

50µl

50µl	Clear	Maxymum Recovery, Racked	Grey	BT-50-L-R
50µl	Clear	Maxymum Recovery, Racked, Pre-Sterilized	Grey	BT-50-L-R-S
50µl	Clear	Racked	Grey	BT-50-R
50µl	Clear	Racked, Pre-Sterilized	Grey	BT-50-R-S

Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

250µl

250µl	Clear	Maxymum Recovery, Racked	Black	BT-250-L-R
250µl	Clear	Maxymum Recovery, Racked, Pre-Sterilized	Black	BT-250-L-R-S
165µl	Clear	Maxymum Recovery, Filter, Racked, Pre-Sterilized	Black	BTF-180-L-R-S
250µl	Clear	Racked	Black	BT-250-R
250µl	Clear	Racked, Pre-Sterilized	Black	BT-250-R-S
165µl	Clear	Filter, Racked, Pre-Sterilized	Black	BTF-180-R-S

Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

1000µl

1000µl	Clear	Racked	Black	BT-1000-R
1000µl	Clear	Racked, Pre-Sterilized	Black	BT-1000-R-S
1000µl	Clear	Filter, Racked, Pre-Sterilized	Black	BTF-1000-R-S

Packaging Description: 72 tips/rack, 5 racks/case

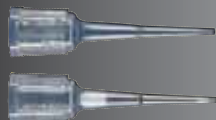


Beckman® ROBOTIC TIPS



Biomek FX/NX, Multimek AP96
and Biomek 3000

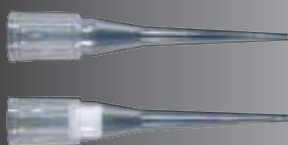
10µl



Volume	Tip Color	Tip Type	Rack Color	Axygen Cat #
10µl	Clear	Racked	Violet	FX-10-R
10µl	Clear	Racked, Pre-Sterilized	Violet	FX-10-R-S
10µl	Clear	Filter, Racked, Pre-Sterilized	Violet	FXF-10-R-S

Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

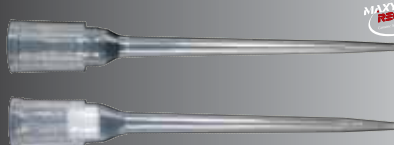
20µl



20µl	Clear	Maxymum Recovery, Racked	Grey	FX-20-L-R
20µl	Clear	Maxymum Recovery, Racked, Pre-Sterilized	Grey	FX-20-L-R-S
20µl	Clear	Maxymum Recovery, Filter, Racked, Pre-Sterilized	Grey	FXF-20-L-R-S
20µl	Clear	Racked	Grey	FX-20-R
20µl	Clear	Racked, Pre-Sterilized	Grey	FX-20-R-S
20µl	Clear	Filter, Racked, Pre-Sterilized	Grey	FXF-20-R-S

Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

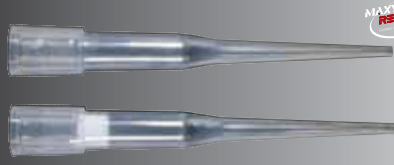
50µl



50µl	Clear	Maxymum Recovery, Racked	Green	FX-50-L-R
50µl	Clear	Maxymum Recovery, Racked, Pre-Sterilized	Green	FX-50-L-R-S
30µl	Clear	Maxymum Recovery, Filter, Racked, Pre-Sterilized	Green	FXF-50-L-R-S
50µl	Clear	Racked	Green	FX-50-R
50µl	Clear	Racked, Pre-Sterilized	Green	FX-50-R-S
30µl	Clear	Filter, Racked, Pre-Sterilized	Green	FXF-50-R-S

Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

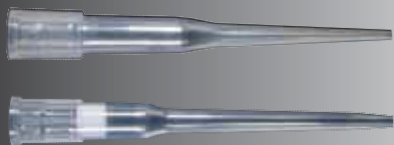
250µl



250µl	Clear	Maxymum Recovery, Racked	Blue	FX-250-L-R
250µl	Clear	Maxymum Recovery, Racked, Pre-Sterilized	Blue	FX-250-L-R-S
165µl	Clear	Maxymum Recovery, Filter, Racked, Pre-Sterilized	Blue	FXF-180-L-R-S
250µl	Clear	Racked	Blue	FX-250-R
250µl	Clear	Racked, Pre-Sterilized	Blue	FX-250-R-S
165µl	Clear	Filter, Racked, Pre-Sterilized	Blue	FXF-180-R-S

Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

250µl, wide bore

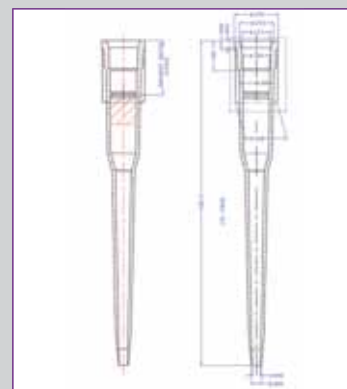


250µl	Clear	Wide Bore, Racked	Blue	FX-255-WB-R
250µl	Clear	Wide Bore, Racked, Pre-Sterilized	Blue	FX-255-WB-R-S
165µl	Clear	Wide Bore, Filter, Racked, Pre-Sterilized	Blue	FXF-165-WB-R-S

Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

Orifice size: 0.049"/1.25mm

Wide bore tips are ideal for
pipetting viscous
materials, genomic DNA,
or delicate cell cultures



Clear 96-well Biomek FX tips are also compatible with the Span-8 head
when the liquid-level sensing function is turned off.



Beckman® ROBOTIC TIPS

Biomek FX/NX with a SPAN-8 liquid-level sensing head



20µl

Volume	Tip Color	Tip Type	Rack Color	Axygen Cat #
20µl	Black	Racked	Grey	SPN-20-CBK-R
20µl	Black	Racked, Pre-Sterilized	Grey	SPN-20-CBK-R-S
20µl	Black	Filter, Racked, Pre-Sterilized	Grey	SPNF-20-CBK-R-S



Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

50µl

50µl	Black	Racked	Green	SPN-50-CBK-R
50µl	Black	Racked, Pre-Sterilized	Green	SPN-50-CBK-R-S
30µl	Black	Filter, Racked, Pre-Sterilized	Green	SPNF-30-CBK-R-S



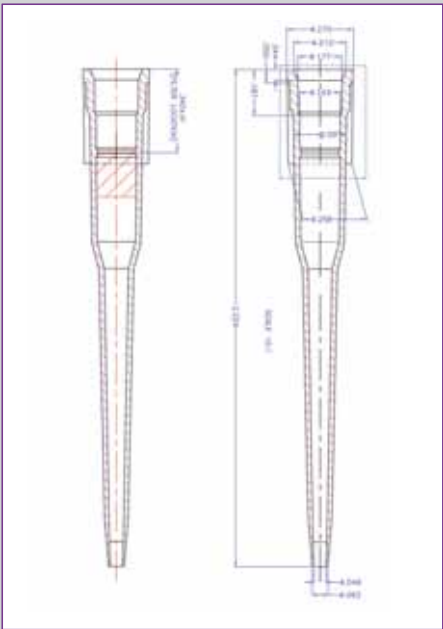
Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

250µl

250µl	Black	Racked	Blue	SPN-250-CBK-R
250µl	Black	Racked, Pre-Sterilized	Blue	SPN-250-CBK-R-S
165µl	Black	Filter, Racked, Pre-Sterilized	Blue	SPNF-180-CBK-R-S



Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case



Note: Clear 96-position Biomek FX tips are also compatible with the SPAN-8 head when the liquid-level sensing function is switched off.

Automated manufacturing is the key to Axxygen's continuing success. Robotic tips are placed directly into racks using a robotic arm. Aside from ensuring all products are nuclease-safe, it also eliminates errors associated with the more traditional manual methods of assembly.





Biomek FX/NX and
Multimek 384-well heads

- 384/1536-well compatible to meet your most demanding applications
- Available in racked, racked sterile and with aerosol barrier
- Unsurpassed straightness to ensure tip enters the well smoothly, every time

FX-384/-1536 TIP SELECTION GUIDE

	PCR	Storage 120µl	Storage 240µl	3456	1536	384	Maxymum Recovery	Filtered
FX-1536	++	+		++	++	+		++
FX-384	+	++				++	++	++
FX-384-30	++	+			+	++		++
FX-384-XL		++	++			++	++	++

++ = recommended; + = suitable

30µl, fine-point



Volume	Tip Color	Tip Type	Rack Color	Axygen Cat #
30µl	Clear	Racked, Fine-Point	Green	FX-1536-30FP-R
30µl	Clear	Racked, Fine-Point, Pre-Sterilized	Green	FX-1536-30FP-R-S

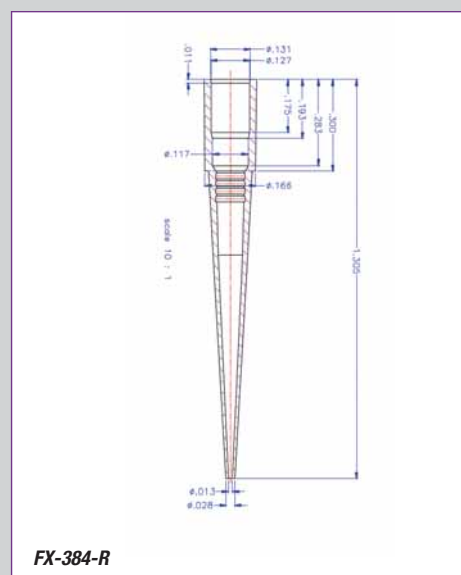
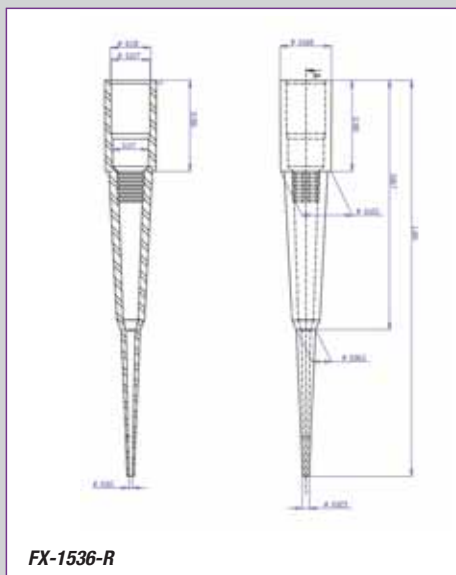
Packaging Description: 384 tips/rack, 10 racks/pack, 5 packs/case

30µl



0.5-30µl	Clear	Maxymum Recovery, Racked	Green	FX-384-L-R
0.5-30µl	Clear	Maxymum Recovery, Racked, Pre-Sterilized	Green	FX-384-L-R-S
0.5-30µl	Clear	Maxymum Recovery, Filter, Racked, Pre-Sterilized	Green	FXF-384-L-R-S
0.5-30µl	Clear	Racked	Green	FX-384-R
0.5-30µl	Clear	Racked, Pre-Sterilized	Green	FX-384-R-S
0.5-30µl	Clear	Filter, Racked, Pre-Sterilized	Green	FXF-384-R-S

Packaging Description: 384 tips/rack, 10 racks/pack, 5 packs/case





Biomek FX/NX and
Multimek 384-well heads



30µl, fine-point

Volume	Tip Color	Tip Type	Rack Color	Axygen Cat #
• “Fine Point” - improves accuracy and precision at lower sample volumes				
0.5-30µl	Clear	Racked, Fine-Point	Green	FX-384-30FP-R
0.5-30µl	Clear	Racked, Pre-Sterilized	Green	FX-384-30FP-R-S
0.5-30µl	Clear	Filter, Racked, Pre-Sterilized	Green	FXF-384-30FP-R-S



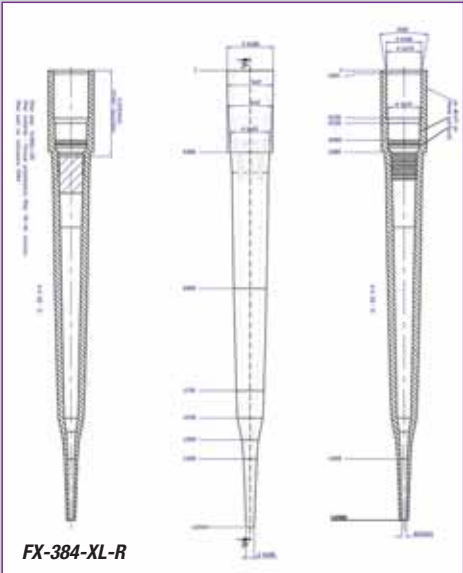
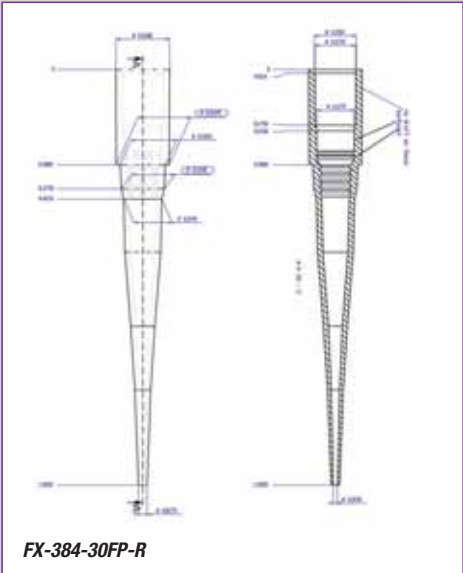
Packaging Description: 384 tips/rack, 10 racks/pack, 5 packs/case

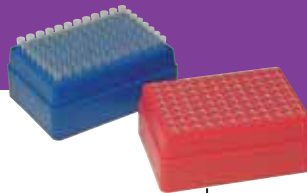
50µl, extended length, fine-point

• Extended length - allows pipetting from bottom of 384-deep well and 384/1536-microplates				
0.5-50µl	Clear	Maxymum Recovery, Racked, Fine-Point	Green	FX-384-XL-L-R
0.5-50µl	Clear	Maxymum Recovery, Racked, Pre-Sterilized	Green	FX-384-XL-L-R-S
0.5-50µl	Clear	Maxymum Recovery, Filter, Racked, Pre-Sterilized	Green	FXF-384-XL-L-R-S
0.5-50µl	Clear	Racked, Fine-Point	Green	FX-384-XL-R
0.5-50µl	Clear	Racked, Pre-Sterilized	Green	FX-384-XL-R-S
0.5-50µl	Clear	Filter, Racked, Pre-Sterilized	Green	FXF-384-XL-R-S



Packaging Description: 384 tips/rack, 10 racks/pack, 5 packs/case





Multimek 'Type II' or CCS-style head

50µl



Volume	Tip Color	Tip Type	Rack Color	Axygen Cat #
50µl	Clear	Maxymum Recovery, Racked	Red	MT-50-L-R
30µl	Clear	Maxymum Recovery, Filter, Racked, Pre-Sterilized	Red	MTF-50-L-R-S

50µl	Clear	Racked	Red	MT-50-R
30µl	Clear	Filter, Racked, Pre-Sterilized	Red	MTF-50-R-S

Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

200µl



200µl	Clear	Maxymum Recovery, Racked	Blue	MT-200-L-R
200µl	Clear	Maxymum Recovery, Racked, Pre-Sterilized	Blue	MT-200-L-R-S
180µl	Clear	Maxymum Recovery, Filter, Racked, Pre-Sterilized	Blue	MTF-200-L-R-S

200µl	Clear	Racked	Blue	MT-200-R
200µl	Clear	Racked, Pre-Sterilized	Blue	MT-200-R-S
180µl	Clear	Filter, Racked, Pre-Sterilized	Blue	MTF-200-R-S

Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

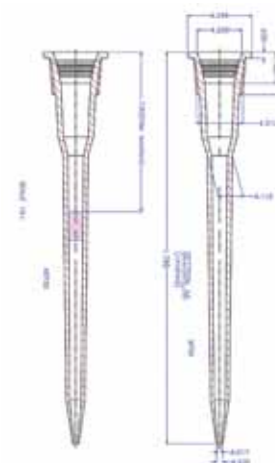
200µl

Robbins-style tip for Multimek 'Type II'



200µl	Clear	Racked	Blue	RMT-200-C-R
200µl	Clear	Racked, Pre-Sterilized	Blue	RMT-200-C-R-S

Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case



**MT-50
MTF-50**

Full specifications and technical drawings are available for all Axigen robotic products, on request



PerkinElmer®/Packard®

ROBOTIC TIPS

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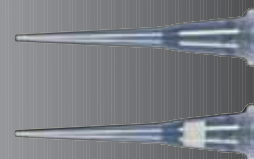
for MiniTrak, PlateTrak
and Evolution P-3



20µl

Volume	Tip Color	Tip Type	Rack Color	Axygen Cat #
20µl	Clear	Maxymum Recovery, Racked	Green	PK-20-L-R
20µl	Clear	Maxymum Recovery, Racked, Pre-Sterilized	Green	PK-20-L-R-S
8µl	Clear	Maxymum Recovery, Filter, Racked, Pre-Sterilized	Green	PKF-20-L-R-S
20µl	Clear	Racked	Green	PK-20-R
20µl	Clear	Racked, Pre-Sterilized	Green	PK-20-R-S
8µl	Clear	Filter, Racked, Pre-Sterilized	Green	PKF-20-R-S

MAXIMUM
RECOVERY



Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

50µl

50µl	Clear	Maxymum Recovery, Racked	Green	PK-50-L-R
50µl	Clear	Maxymum Recovery, Racked, Pre-Sterilized	Green	PK-50-L-R-S
30µl	Clear	Maxymum Recovery, Filter, Racked, Pre-Sterilized	Green	PKF-30-L-R-S
50µl	Clear	Racked	Green	PK-50-R
50µl	Clear	Racked, Pre-Sterilized	Green	PK-50-R-S
30µl	Clear	Filter, Racked, Pre-Sterilized	Green	PKF-30-R-S

MAXIMUM
RECOVERY



Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

200µl

200µl	Clear	Maxymum Recovery, Racked	Green	PK-200-L-R
200µl	Clear	Maxymum Recovery, Racked, Pre-Sterilized	Green	PK-200-L-R-S
180µl	Clear	Maxymum Recovery, Filter, Racked, Pre-Sterilized	Green	PKF-180-L-R-S
200µl	Clear	Racked	Green	PK-200-R
200µl	Clear	Racked, Pre-Sterilized	Green	PK-200-R-S
180µl	Clear	Filter, Racked, Pre-Sterilized	Green	PKF-180-R-S

MAXIMUM
RECOVERY



Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

200µl, wide bore

200µl	Clear	Wide Bore, Racked	Green	PK-205-WB-R
200µl	Clear	Wide Bore, Racked, Pre-sterilized	Green	PK-205-WB-R-S
180µl	Clear	Filter, Wide Bore, Racked, Pre-Sterilized	Green	PKF-205-WB-R-S

Wide bore tips are ideal
for those working with
viscous materials,
genomic DNA or
delicate cell cultures



Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

30µl

• 1536-compatible

384-well compatible

30µl	Clear	Racked	Green	PK-384-R
30µl	Clear	Racked, Pre-Sterilized	Green	PK-384-R-S



Packaging Description: 384 tips/rack, 10 racks/pack, 5 packs/case

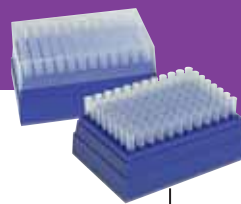


*Tip straightness,
the absence of a
single tip in a rack,
the absence of a
filter in a filter tip
rack and the
inclusion of an
inaccurate tip are
all checked and
prevented
automatically.*



PK-384-R

Caliper®/Zymark® ROBOTIC TIPS



Zymark RapidPlate/SciClone;
Tecan TEMO, Aquarius and GenMate

50µl



MAXIMUM RECOVERY

Volume	Tip Color	Tip Type	Rack Color	Axygen Cat #
50µl	Clear	Maxymum Recovery, Racked	Light Green	ZT-50-L-R
50µl	Clear	Maxymum Recovery, Racked, Pre-Sterilized	Light Green	ZT-50-L-R-S
50µl	Clear	Maxymum Recovery, Filter, Racked, Pre-Sterilized	Light Green	ZTF-50-L-R-S
50µl	Clear	Racked	Light Green	ZT-50-R
50µl	Clear	Racked, Pre-Sterilized	Light Green	ZT-50-R-S
50µl	Clear	Filter, Racked, Pre-Sterilized	Light Green	ZTF-50-R-S

Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

100µl



MAXIMUM RECOVERY

100µl	Clear	Maxymum Recovery, Racked	Grey	ZT-100-L-R
100µl	Clear	Maxymum Recovery, Racked, Pre-Sterilized	Grey	ZT-100-L-R-S
100µl	Clear	Maxymum Recovery, Filter, Racked, Pre-Sterilized	Grey	ZTF-100-L-R-S
100µl	Clear	Racked	Grey	ZT-100-R
100µl	Clear	Racked, Pre-Sterilized	Grey	ZT-100-R-S
100µl	Clear	Filter, Racked, Pre-Sterilized	Grey	ZTF-100-R-S

Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

200µl



MAXIMUM RECOVERY

200µl	Clear	Maxymum Recovery, Racked	Blue	ZT-200-L-R
200µl	Clear	Maxymum Recovery, Racked, Pre-Sterilized	Blue	ZT-200-L-R-S
170µl	Clear	Maxymum Recovery, Filter, Racked, Pre-Sterilized	Blue	ZTF-200-L-R-S
200µl	Clear	Racked	Blue	ZT-200-R
200µl	Clear	Racked, Pre-Sterilized	Blue	ZT-200-R-S
170µl	Clear	Filter, Racked, Pre-Sterilized	Blue	ZTF-200-R-S

Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case

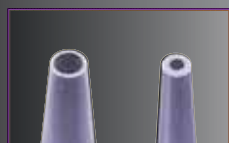
200µl, wide bore



MAXIMUM RECOVERY

200µl	Clear	Maxymum Recovery, Racked	Blue	ZT-205-WB-L-R
200µl	Clear	Maxymum Recovery, Racked, Pre-Sterilized	Blue	ZT-205-WB-L-R-S
170µl	Clear	Maxymum Recovery, Filter, Racked, Pre-Sterilized	Blue	ZTF-205-WB-L-R-S
200µl	Clear	Wide Bore, Racked	Blue	ZT-205-WB-R
200µl	Clear	Wide Bore, Racked, Pre-Sterilized	Blue	ZT-205-WB-R-S
170µl	Clear	Wide Bore, Filter, Racked, Pre-Sterilized	Blue	ZTF-205-WB-R-S

Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case



Orifice size : 0.049"/1.27mm

Wide bore tips
are ideal for
viscous materials,
genomic DNA and
delicate cell cultures



30µl

FLIPR Liberty 384 (Type B)

Volume	Tip Color	Tip Type	Rack Color	Axygen Cat #
30µl	Clear	Racked	Green	LT-384-R
30µl	Clear	Racked, Pre-Sterilized	Green	LT-384-R-S

Packaging Description: 384 tips/rack, 10 racks/pack, 5 packs/case

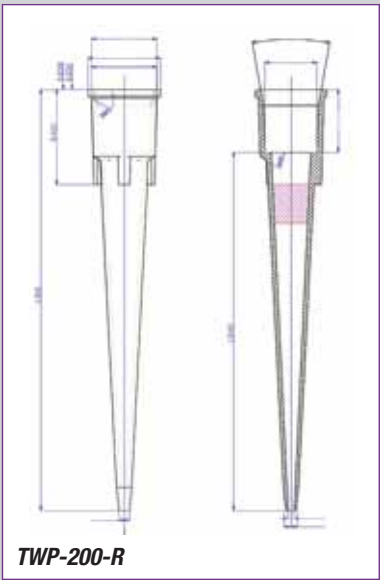
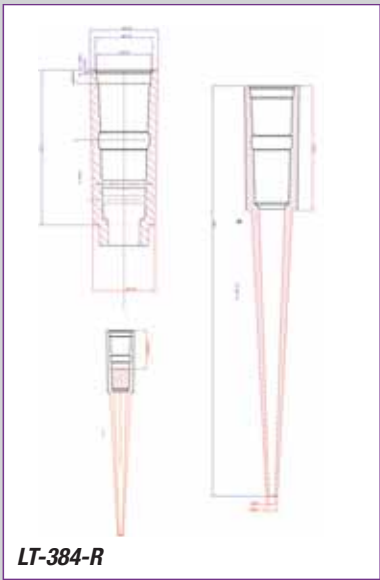
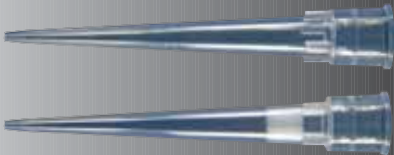


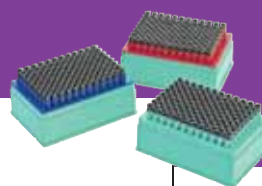
200µl

Pro Group Wellpro-96 (also for Cetus Propette)

200µl	Clear	Racked	Grey	TWP-200-R
200µl	Clear	Racked, Pre-Sterilized	Grey	TWP-200-R-S
120µl	Clear	Filter, Racked, Pre-Sterilized	Grey	TWPF-120-R-S

Packaging Description: 96 tips/rack, 10 racks/pack, 5 packs/case





Automated Systems

Axygen tip series >

Catalog page >

	EV-50; EV-100 EV-200 28	TT-20; TT-50; TT-200; TT-1000 29	RRP-20; RRP-50 RRP-200 30	BT-20; BT-50 BT-250; BT-1000 31	FX-10; FX-20 FX-50; FX-250 32	SPN-20; SPN-50 SPN-250 33	FX-1536; FX-384 FX-384-30FP 34
Beckman Biomek 1000				✓			
Beckman Biomek 2000				✓			
Beckman Biomek 3000					✓		
Beckman Biomek FX-96/NX-96					✓		
Beckman Biomek FX-384/NX-384							✓
Beckman Biomek FX/NX (SPAN-8)					✓ ∅	✓	
Beckman Multimek AP-384							✓
Beckman Multimek AP-96					✓		
Beckman Multimek CCS-head							
Beckman Multimek Type II							
Biotec Precision 3000	✓ #						
Caliper Zephyr	✓ #	✓					
Caliper Zymark RapidPlate							
Caliper Zymark SciClone	✓ #						
Cetus Propette							
Gilson Cyberlab					✓		
MDC FLIPR Liberty head							
PerkinElmer Evolution P-3							
PerkinElmer Janus		✓ ‡	✓ ∞				
PerkinElmer Minitrak							
PerkinElmer Multiprobe II ET (hanging wafer)		✓ ‡					
PerkinElmer Multiprobe II HT		✓ ‡					
PerkinElmer Platetrak							
ProGroup Wellpro-3000							
Tecan Aquarius	✓ #	✓ ‡					
Tecan EVO	✓ #	✓ ‡					
Tecan Freedom	✓ #	✓ ‡					
Tecan Genesis		✓ ‡					
Tecan GenMate	✓ #						
Tecan Miniprep		✓ ‡					
Tecan TEMO	✓ #						

* Robbins-style; ‡ Wafer; ∞ RoboRack; ∅ denotes compatibility when Liquid Level Sensing (LLS) is turned OFF

SBS standard footprint compatible rack

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Automated Systems

- Beckman Biomek 1000
- Beckman Biomek 2000
- Beckman Biomek 3000
- Beckman Biomek FX-96/NX-96
- Beckman Biomek FX-384/NX-384
- Beckman Biomek FX/NX (SPAN-8)
- Beckman Multimek AP-384
- Beckman Multimek AP-96
- Beckman Multimek CCS-head
- Beckman Multimek Type II
- Biotec Precision 3000
- Caliper Zephyr
- Caliper Zymark RapidPlate
- Caliper Zymark SciClone
- Cetus Propette
- Gilson Cyberlab
- MDC FLIPR Liberty head
- PerkinElmer Evolution P-3
- PerkinElmer Janus
- PerkinElmer Minitrak
- PerkinElmer Multiprobe II ET (hanging wafer)
- PerkinElmer Multiprobe II HT
- PerkinElmer Platetrak
- ProGroup Wellpro-3000
- Tecan Aquarius
- Tecan EVO
- Tecan Freedom
- Tecan Genesis
- Tecan GenMate
- Tecan Miniprep
- Tecan TEMO

www.axxygen.co

High Throughput Screening

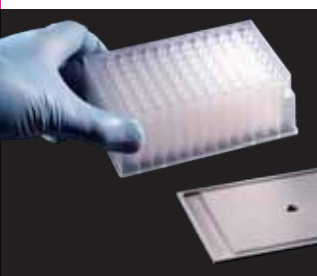
AXYGEN'S EXTENSIVE LINE OF HTS PRODUCTS

PROVIDE RESEARCHERS WITH SOLUTIONS TO THE CHALLENGES IN DRUG DISCOVERY

With the ever-growing pressure to find the next blockbuster drug, technicians are faced with the need to screen more targets more efficiently and against a larger library of compounds. Automation has greatly streamlined many standard lab tasks, including liquid handling and sample manipulation. However, these same methods have also increased the need for precisely engineered and consistently manufactured lab consumables. Count on Axygen to be at the forefront of new product R&D and manufacturing improvements, ensuring your complete satisfaction with every item you use.



EFFICIENCY IN AUTOMATION



DEEP WELL PLATES

- **500µl, 1.1ml, 1.6ml, 2.2ml and 5.0ml capacities**, in durable polypropylene
- **1.1ml features an ultra-low profile** for reduced space requirements

RESERVOIRS

- **Numerous formats** for almost any manual or automated application
- **SBS footprint** for compatibility with most robotic systems

- 1 Deep Well and Assay Plates** are used for sample collection, in-vitro growth chambers and long-term storage. Made of virgin polypropylene, they offer excellent chemical resistance and will withstand temperatures down to -80°C.
- 2 Single Well and Multi-well Reservoirs** are a complete line of reagent vessels in numerous formats for automated and manual applications. All are designed with an SBS footprint for compatibility with most robotic systems and are made of virgin polypropylene for excellent chemical resistance.
- 3 AxyMats** are patented sealing mats designed for high throughput screening and storage applications. Made of research-grade silicone, they can be autoclaved and following a bleach wash and ethanol rinse protocol, they can also be reused. AxyMats are pierceable and self-sealing, ideal for automated processes and can be used in sub-zero environments.
- 4 Chemically Resistant ImpermaMats** (patent pending) are a chemical-resistant line of sealing mats. They are made for use in assays involving strong solvents such as DMSO and similarly harsh solvents. Specifically designed for Axygen deep well and microplates, they contain no extractables to contaminate samples. They feature a tight seal to the plate - no sample evaporation or well-to-well contamination. Usable within wide temperature range - from -80°C up to +121°C. Cost effective - can be re-used.



AXYMATS (patented)

- **Multi-use silicone sealing mats** feature pierceable and self-sealing well covers for easy access
- **Available in** 96 and 384-well options

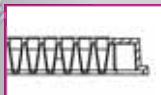
IMPERMATs

- **Chemically resistant silicone sealing mats** resistant to DMSO and other solvents with a high degree of confidence
- **Contains NO adhesives** - no extractables to contaminate samples

384-well Diamond Plates

- Excellent chemical resistance
- Standard SBS footprint
- Centrifugation to 4,000 RCF
- Diamond shaped wells allow complete sample recovery
- Ultra-flat surface ensures proper sealing of heat film

50µl RigiPlate™

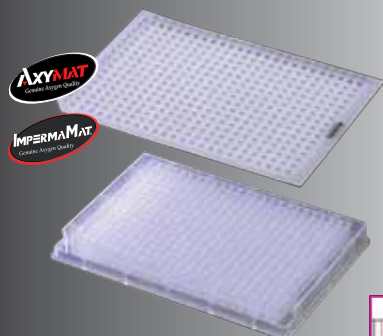


Volume to Brim of Well	Working Volume	Volume with AxyMAT	Color	Product Description	Packaging	Axygen Cat #
50µl	49.5µl	-	Clear	384-well RigiPlate™	Bulk	PCR-384-RGD-C
-	-	30µl	Natural	Sealing Mat for 384-well PCR Microplates	Bulk	AM-384-PCR-RD
-	-	6.5µl	Natural	Volume Reducing Sealing Mat	Bulk	AM-384-PCR-RV

Packaging Description: Plates = 10 plates/pack, 2 packs/sleeve, 5 sleeves/case; Mats = 10 mats/pack, 5 packs/case

Colors available by special order. Contact customer service for details.

120µl deep well plate



130µl	120µl	-	Clear	384-well Deep well MicroPlate	Bulk	P-384-120SQ-C
-	-	90µl	Natural	Sealing Mat for 384-well MicroPlates with Square Wells	Bulk	AM-384-DW-SQ
-	-	90µl	Natural	Chemically Resistant Sealing Mat for 384-well MicroPlates with Square Wells	Bulk	AM-384-SQ-IMP

Packaging Description: Plates = 5 plates/pack, 10 packs/case; Mats = 10 mats/pack, 5 packs/case

Black and white plates are available by special order.

240µl deep well plate



250µl	240µl	-	Clear	384-well Deep Well Plate	Bulk	P-384-240SQ-C
-	-	210µl	Natural	Sealing Mat for 384-well Deep Well Plates with Square Wells	Bulk	AM-384-DW-SQ
-	-	210µl	Natural	Chemically Resistant Sealing Mat for 384 Deep Well Plates with Square Wells	Bulk	AM-384-SQ-IMP

Packaging Description: Plates = 5 plates/pack, 10 packs/case; Mats = 10 mats/pack, 5 packs/case

Black and white plates are available by special order.

Maximum RCF for plates - 4,000

EasyPress - an economical applicator for efficiently applying mats to plates (see page 67).



Deep Well PLATES

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96-well Round and Rectangular Bottoms



0.6ml deep well plate

Volume to Brim of Well	Working Volume	Volume with Axyamat	Color	Product Description	Packaging	Axygen Cat #
620µl	560µl	-	Clear	96-well Deep Well Plate, 600µl	Bulk	P-DW-500-C
620µl	560µl	-	Clear	96-well Deep Well Plate, 600µl Pre-Sterilized	Bulk	P-DW-500-C-S
-	-	440µl	Natural	Sealing Mat for 600µl 96-well Deep Well Plates	Bulk	AM-500UL-RD

Packaging Description: Plates = 5 plates/pack, 10 packs/case; Mats = 10 mats/pack, 5 packs/case



1.1ml deep well plate

1.2ml	1.1ml	-	Clear	96-well Deep Well Plate, 1.1ml	Bulk	P-DW-11-C
1.2ml	1.1ml	-	Clear	96-well Deep Well Plate, 1.1ml Pre-Sterilized	Bulk	P-DW-11-C-S
-	-	1.0ml	Natural	Sealing Mat for 1.1ml 96-well Deep Well Plates	Bulk	AM-2ML-RD
-	-	1.0ml	Natural	Chemically Resistant Sealing Mat for 1.1ml 96-well Deep Well Plates	Bulk	AM-2ML-RD-IMP

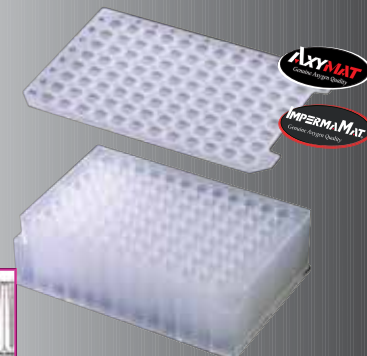
Packaging Description: Plates = 5 plates/pack, 10 packs/case; Mats = 10 mats/pack, 5 packs/case



1.6ml deep well plate - square wells

1.7ml	1.6ml	-	Clear	96-well Deep Well Plate, 2.0ml Round Wells	Bulk	P-DW-20-C
1.7ml	1.6ml	-	Clear	96-well Deep Well Plate, 2.0ml Round Wells, Pre-Sterilized	Bulk	P-DW-20-C-S
-	-	1.5ml	Natural	Sealing Mat for 2.0ml 96-well Round Deep Well Plates	Bulk	AM-2ML-RD
-	-	1.5ml	Natural	Chemically Resistant Sealing Mat for 2.0ml 96-well Deep Well Plates with Round Wells	Bulk	AM-2ML-RD-IMP

Packaging Description: Plates = 5 plates/pack, 10 packs/case; Mats = 10 mats/pack, 5 packs/cas



2.2ml deep well plate - round wells

2.3ml	2.2ml	-	Clear	96-well Deep Well Plate, 2.0ml Rectangular Wells	Bulk	P-2ML-SQ-C
2.3ml	2.2ml	-	Clear	96-well Deep Well Plate, 2.0ml Rectangular Wells, Pre-Sterilized	Bulk	P-2ML-SQ-C-S
-	-	1.9ml	Natural	Sealing Mat for 2.0ml 96-well Deep Well Plates with Rectangular Wells	Bulk	AM-2ML-SQ
-	-	1.9ml	Natural	Chemically Resistant Sealing Mat for 2.0ml 96-well Deep Well Plates with Rectangular Wells	Bulk	AM-2ML-SQ-IMP

Packaging Description: Plates = 5 plates/pack, 5 packs/case; Mats = 10 mats/pack, 5 packs/case



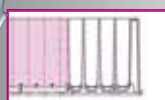


Round and 'V' Well options

5.0ml deep well plate - rectangular wells

Volume to Brim of Well	Working Volume	Volume with AxyMat	Color	Product Description	Packaging	Axygen Cat #
4.9ml	4.6ml	-	Clear	48-well Deep Well Plate, 5.0ml Rectangular Wells	Bulk	P-5ML-48-C
4.9ml	4.6ml	-	Clear	48-well Deep Well Plate, 5.0ml Rectangular Wells, Pre-Sterilized	Bulk	P-5ML-48-C-S
-	-	4.0ml	Natural	Chemically Resistant Sealing Mat for 5.0ml 48 Well Deep Well Plates	Bulk	AM-48-IMP

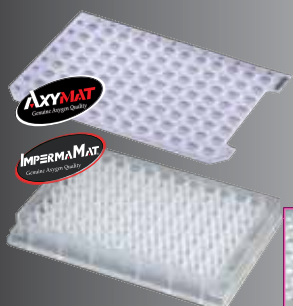
Packaging Description: Plates = 25 plates/case; Mats = 10 mats/pack, 5 packs/case



Round well assay plate

550µl	500µl	-	Clear	96-well Assay Round Bottom Plate	Bulk	P-96-450R-C
550µl	500µl	-	Clear	96-well Assay Round Bottom Plate Pre-Sterilized	Bulk	P-96-450R-C-S
-	-	350µl	Natural	Sealing Mat for 96-well Assay Plates with Round Wells	Bulk	AM-2ML-RD
-	-	350µl	Natural	Chemically Resistant Sealing Mat for 96-well Assay Plates with Round Wells	Bulk	AM-2ML-RD-IMP

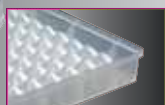
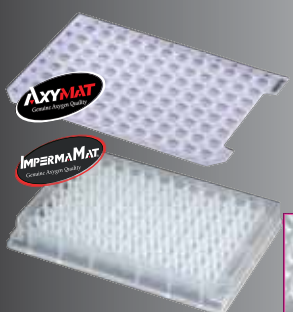
Packaging Description: Plates = 10 plates/pack, 5 packs/case; Mats = 10 mats/pack, 5 packs/case



'V' well assay plate

520µl	480µl	-	Clear	96-well Assay 'V' Bottom Plate	Bulk	P-96-450V-C
520µl	480µl	-	Clear	96-well Assay 'V' Bottom Plate Pre-Sterilized	Bulk	P-96-450V-C-S
-	-	300µl	Natural	Sealing Mat for 96-well Assay Plates with 'V' Wells	Bulk	AM-2ML-RD
-	-	300µl	Natural	Chemically Resistant Sealing Mat for 96-well Assay Plates with Round Wells	Bulk	AM-2ML-RD-IMP

Packaging Description: Plates = 10 plates/pack, 5 packs/case; Mats = 10 mats/pack, 5 packs/case



Centrifuge adapter for Deep well plates

-	-	-	Aluminum	Centrifuge adapter for Deep well plates		P-ADAPTER-1
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Packaging Description: 2 Adapters/case; (includes one of each of Axygen's popular deep well plates)



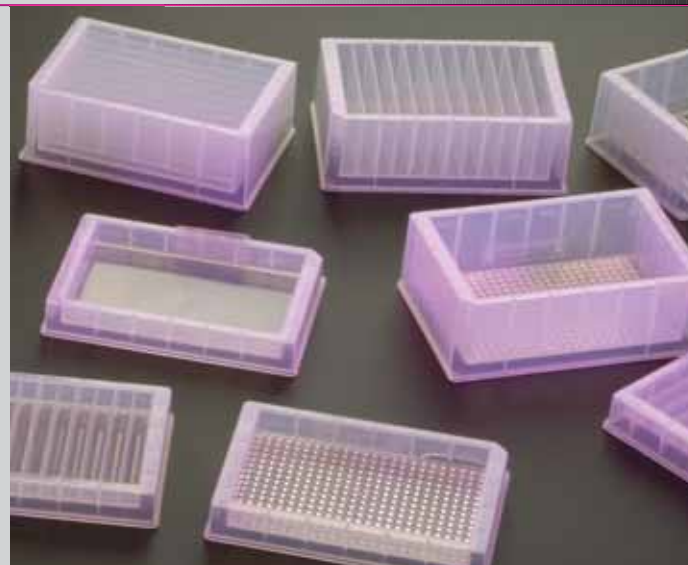
- **SBS footprint**
- **Robot compatible**
- **Minimizes dead volume**
- **Durable for multi-use and cost effective for single use**
- **Various formats for any application**

Axygen's Reagent Reservoirs are manufactured in translucent polypropylene. With a standard SBS footprint, they are designed to be robot compatible.

Three design styles are available to fit any liquid handling application:

- Flat Bottom Series:** single-well, low-profile, guaranteed flatness for a wide variety of applications.
- Diamond Shaped-well Series:** 96- or 384- collection pools at the bottom surface help minimize dead volume.
- Trough Series:** Unique "flow troughs" extending the length of the bottom surface are ideal for 8- and 12-channel applications.

Sterile Reservoirs are available upon request.



8 channel low profile

Maximum Volume	Max. Vol. per well	Color	Product Description	Axygen Cat #
32ml	4.0ml	Clear	Reservoir, multi well, 8 channel troughs, low profile	RES-MW8-LP

Packaging Description: 25 reservoirs/case



t

12 channel low profile

Maximum Volume	Max. Vol. per well	Color	Product Description	Axygen Cat #
21ml	1.75ml	Clear	Reservoir, multi well, 12 channel troughs, low profile	RES-MW12-LP

Packaging Description: 25 reservoirs/case



t

8 channel high profile

Maximum Volume	Max. Vol. per well	Color	Product Description	Axygen Cat #
80ml	10ml	Clear	Reservoir, multi well, 8 channel troughs, high profile	RES-MW8-HP

Packaging Description: 25 reservoirs/case



t

12 channel high profile

Maximum Volume	Max. Vol. per well	Color	Product Description	Axygen Cat #
84ml	7.0ml	Clear	Reservoir, multi well, 12 channel troughs, high profile	RES-MW12-HP

Packaging Description: 25 reservoirs/case




t




High and Low Profile


8 bottom high profile

	Maximum Volume	Max. Vol. per well	Color	Product Description	Axygen Cat #
	290ml	290ml	Clear	Reservoir, single well, 8 bottom troughs, high profile	RES-SW8-HP
	Packaging Description:		25 reservoirs/case		


12 bottom high profile

	Maximum Volume	Max. Vol. per well	Color	Product Description	Axygen Cat #
	290ml	290ml	Clear	Reservoir, single well, 12 bottom troughs, high profile	RES-SW12-HP
	Packaging Description:		25 reservoirs/case		

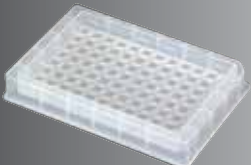
96 bottom high profile

	Maximum Volume	Max. Vol. per well	Color	Product Description	Axygen Cat #
	240ml	240ml	Clear	Reservoir, single well, 96 bottom troughs, high profile	RES-SW96-HP
	Packaging Description:		25 reservoirs/case		


384 bottom high profile

	Maximum Volume	Max. Vol. per well	Color	Product Description	Axygen Cat #
	282ml	282ml	Clear	Reservoir, single well, 384 bottom troughs, high profile	RES-SW384-HP
	Packaging Description:		25 reservoirs/case		


96 bottom low profile

	Maximum Volume	Max. Vol. per well	Color	Product Description	Axygen Cat #
	86ml	86ml	Clear	Reservoir, single well, 96 bottom troughs, low profile	RES-SW96-LP
	Packaging Description:		25 reservoirs/case		

384 bottom low profile

	Maximum Volume	Max. Vol. per well	Color	Product Description	Axygen Cat #
	92ml	92ml	Clear	Reservoir, single well, 384 bottom troughs, low profile	RES-SW384-LP
	Packaging Description:		25 reservoirs/case		

Single bottom low profile

	Maximum Volume	Max. Vol. per well	Color	Product Description	Axygen Cat #
	90ml	90ml	Clear	Reservoir, single well, 1 bottom flat, low profile	RES-SW1-LP
	Packaging Description:		25 reservoirs/case		

Sterile Reservoirs are available on request

For Compound Library Storage

Mini tube system (MTS)

- Available in 0.65ml single Mini Tube or 1.1ml single Mini Tube and 8- and 12- tube strip formats
- 96-well rack footprint compatible with Beckman, Tecan and other robotic workstations
- One-way lid design, in conjunction with alpha-numeric grid, ensures positive sample identification
- Cover 'molded-in condensation rings' minimize cross contamination

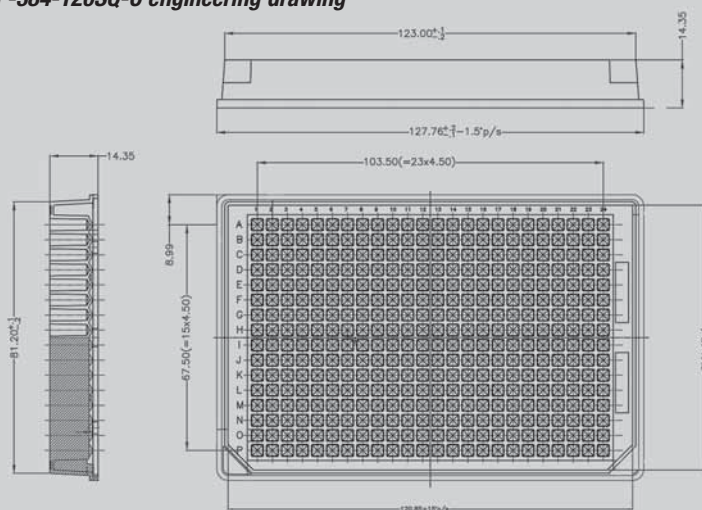


Tube Vol.	Product Description	Packaging	Axygen Cat #
1.1ml	Mini Tube, Single	96/rack, 10 racks/pack, 5 packs/case	MTS-11-C-R
1.1ml	Mini Tube, Single*	96/rack, 10 racks/pack, 5 packs/case	MTS-11-C-R-S
1.1ml	Mini Tube, Single	960 tubes/bag, 5 bags/case	MTS-11-C
1.1ml	Mini Tube, 8-strip	12 strips/rack, 10 racks/pack, 5 packs/case	MTS-11-8-C-R
1.1ml	Mini Tube, 8-strip*	12 strips/rack, 10 racks/pack, 5 packs/case	MTS-11-8-C-R-S
1.1ml	Mini Tube, 8-strip	120 strips/bag, 5 bags/case	MTS-11-8-C
1.1ml	Mini Tube, 12-strip	8 strips/rack, 10 racks/pack, 5 packs/case	MTS-11-12-C-R
1.1ml	Mini Tube, 12-strip*	8 strips/rack, 10 racks/pack, 5 packs/case	MTS-11-12-C-R-S
1.1ml	Mini Tube, 12-strip	80 strips/bag, 5 bags/case	MTS-11-12-C
0.65ml	Mini Tube, Single	96/rack, 10 racks/pack, 5 packs/case	MTS-06-C-R
0.65ml	Mini Tube, Single*	96/rack, 10 racks/pack, 5 packs/case	MTS-06-C-R-S
0.65ml	Mini Tube, Single	960 tubes/bag, 5 bags/case	MTS-06-C
-	Mini Tube Cap, 8-strip	120 strips/pack, 5 packs/case	MTS-8CP-C
-	Mini Tube Cap, 8-strip*	120 strips/pack, 5 packs/case	MTS-8CP-C-S
-	Mini Tube Cap, 12-strip	80 strips/pack, 5 packs/case	MTS-12CP-C
-	Mini Tube Cap, 12-strip*	80 strips/pack, 5 packs/case	MTS-12CP-C-S

*Pre-Sterilized



P-384-120SQ-C engineering drawing



PCR products

CONSISTENTLY BETTER

AXYGEN'S EXTENSIVE LINE OF PCR PRODUCTS ARE SPECIFICALLY DESIGNED FOR USE WITHIN PCR THERMAL TRANSFER AND REAL TIME PCR APPLICATIONS



for the ultimate in consistent performance, ideal for qPCR



Axygen products are manufactured in a clean, controlled "state of the art" facility and certified RNase-, DNase- and endotoxin-safe.



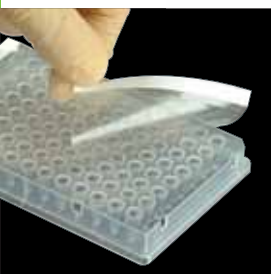
proteomics • drug discovery • genomics • high throughput screening

“ I use Taq-Man in my research studies. Using MAXIMUM RECOVERY tips, I now get an extra number of pipettings out of the total 5ml volume which means the tips and tubes used will pay for themselves in saved reagent costs ”

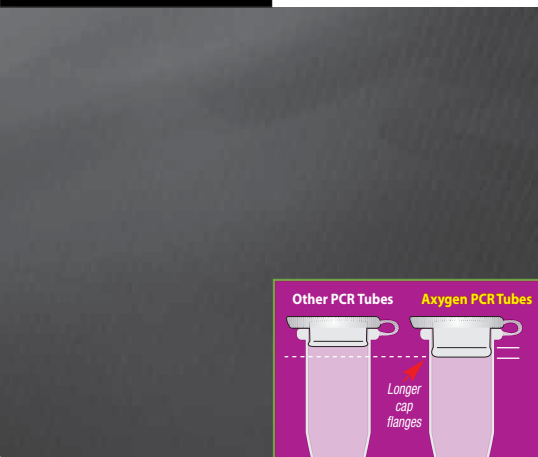
Dr. Ann Sproul, Western General Hospital, Edinburgh, UK



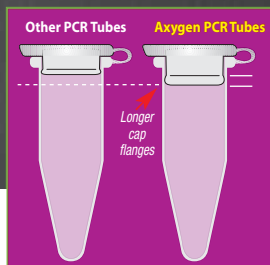
Look for this logo to identify Axygen PCR plates and tubes compatible with quantitative PCR thermal cyclers



- **Quantitative PCR compatible tubes and plates** for a wide range of Real Time PCR instruments
- **Ultra-thin and consistent wall thickness** allows precise thermal transfer
- **Full PCR multi-well plate compatibility chart** on pages 60-61



- **Barcoding available on skirted plates**
- **Available in a wide variety of sizes, configurations and colors**
- **Manufactured from 99.9% pure virgin polypropylene**
- **Unique cap design prevents sample evaporation**
- **Certified to be RNase-, DNase- and Endotoxin safe**



Axygen PCR Tubes

PCR tubes require a thin and consistent wall thickness to reduce the insulating effect of the tube. Axygen PCR tubes are manufactured to the highest quality standards so your results will be consistent every time. Unlike some PCR tubes that have a short cap which may allow for sample evaporation during thermal cycling, Axygen PCR tubes are sealed with a full-length, even insertion cap which ensures a tight fit and eliminates the worry of sample evaporation.

Plate Sealing

Each "well sealer" incorporates a "scored" area for puncturing by a syringe needle. This allows samples to be dispensed and/or aspirated even while the Axymat is in place. Each 'well-sealer', once punctured, will reseal itself, ensuring an airtight seal to the well.

- **All multi-well plate measurements and dimensions** available in PDF format for automation applications
- **Manufactured from 99.9% pure virgin polypropylene** in a clean, controlled 'state of the art' facility

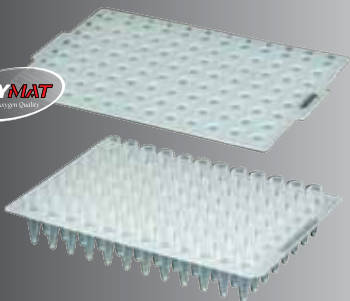


PCR Plates AND SEALING MATS



96-well Plates and Mats
for 0.2ml thermal cycler blocks

No skirt, elevated wells



- 96 Well No-Skirt PCR plate
- Clear, thin wall Well bottom

Volume	Color	Microplate Type	Packaging	Axygen Cat #
200µl	Clear	96-well, No Skirt	Bulk	PCR-96-C
200µl	Clear	96-well, No Skirt, Elevated Wells	Bulk	PCR-96-MB-C
	Natural	Sealing Mat for 96-well PCR Microplates	Bulk	AM-96-PCR-RD

Packaging Description: Plates = 10 plates/pack, 5 packs/case; Mats = 10 mats/pack, 5 packs/case

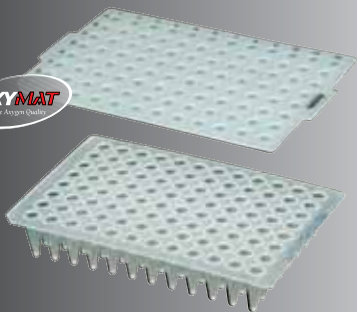
Application/Compatibility: Standard thermal cycling; **No Skirt** Stratagene MX4000; **Elevated Wells** Megabace sequencer

Sealing Options
• Axymats
• Heat Sealing
• Adhesive Films and Foils
• Flat & Domed Cap Strips

Volume to Brim of Well	Working Volume	Volume with Axymat
340µl	300µl	250µl
Maximum G-force = 4,000 RCF		



No skirt



- Fits 0.2ml thermal cycler blocks
- 96-well Flat top PCR plate
- Fits ABI PRISM® 3100, 3130, 3730 and 3700 capillary sequencers plus Stratagene MX-3000
- Clear, thin wall well bottom

200µl	Clear	96-well, No Skirt	Bulk	PCR-96-FLT-C
200µl	Clear	96-well, No Skirt, White	Bulk	PCR-96-FLT-W
200µl	Clear	96-well, No Skirt, Black	Bulk	PCR-96-FLT-BK
	Natural	Sealing Mat for 96-well PCR Microplates	Bulk	AM-96-PCR-RD

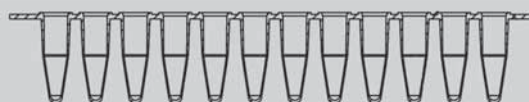
Packaging Description: Plates = 5 plates/sleeve, 5 sleeves/pack, 4 packs/case; Mats = 10 mats/pack, 5 packs/case

Application/Compatibility: Standard thermal cycling, BioRad qPCR systems, Stratagene MX-3000



Sealing Options
• Axymats
• Heat Sealing
• Adhesive Films and Foils
• Flat & Domed Cap Strips

Volume to Brim of Well	Working Volume	Volume with Axymat
340µl	300µl	220µl
Maximum G-force = 4,000 RCF		



96-well Plates and Mats
for 0.2ml thermal cycler blocks

No skirt, low profile

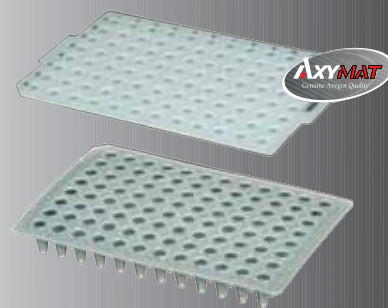
Volume	Color	Microplate Type	Packaging	Axygen Cat #
100µl	Clear	96-well, No Skirt, Low Profile	Bulk	PCR-96-LP-FLT-C
100µl	Black	96-well, No Skirt, Low Profile	Bulk	PCR-96-LP-FLT-BK
100µl	White	96-well, No Skirt, Low Profile	Bulk	PCR-96-LP-FLT-W
	Natural	Sealing Mat for 96-well PCR Microplates	Bulk	AM-96-PCR-RD

Packaging Description: Plates = 5 plates/sleeve, 5 sleeves/pack, 4 packs/case; Mats = 10 mats/pack, 5 packs/case

Application/Compatibility: Standard Biometra thermal cyclers, Eppendorf MasterCycler qPCR, MJ Opticon/Chromo4 qPCR



Volume to Brim of Well	Working Volume	Volume with AxyMat	Sealing Options
220µl	200µl	106µl	<ul style="list-style-type: none"> • AxyMats • Heat Sealing • Adhesive Films and Foils • Flat & Domed Cap Strips
Maximum G-force = 4,000 RCF			



- Suitable for 0.1ml thermal cycler blocks
- 96-well Flat top low profile PCR plate
- Clear, thin wall well bottom
- Also available in black and white

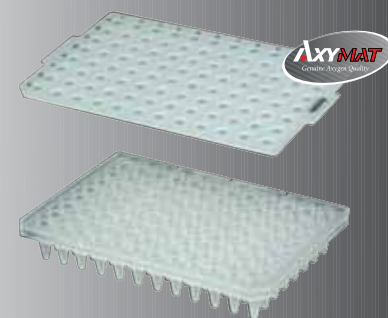
Segmented

200µl	Clear	96-well, Segmented	Bulk	PCR-96-SG-C
	Natural	Sealing Mat for 96-well PCR Microplates	Bulk	AM-96-PCR-RD

Packaging Description: Plates = 10 plates/pack, 5 packs/case; Mats = 10 mats/pack, 5 packs/case

Application/Compatibility: Standard thermal cycling, Beckman CEQ Sequencers

Volume to Brim of Well	Working Volume	Volume with AxyMat	Sealing Options
320µl	280µl	240µl	<ul style="list-style-type: none"> • AxyMats • Heat Sealing • Adhesive Films and Foils • Flat & Domed Cap Strips
Maximum G-force = 4,000 RCF			



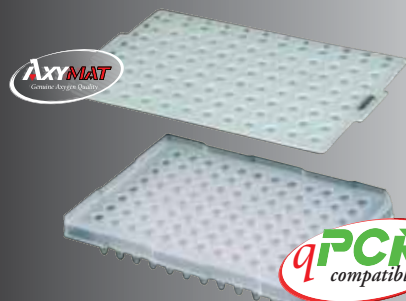
- 96 Well Segmented PCR plate

PCR Plates AND SEALING MATS



96-well Plates and Mats
for 0.2ml thermal cycler blocks

elevated skirt



- 96 Well Semi-Skirted PCR Plate
- Single Notch Corner
- Designed for ABI Thermal Cyclers

Volume	Color	Microplate Type	Packaging	Axygen Cat #
200µl	Clear	96-well, Elevated Skirt	Bulk	PCR-96-AB-C
	Natural	Sealing Mat for 96-well PCR Microplates	Bulk	AM-96-PCR-RD

Packaging Description:

Plates = 10 plates/pack, 5 packs/case; Mats = 10 mats/pack, 5 packs/case

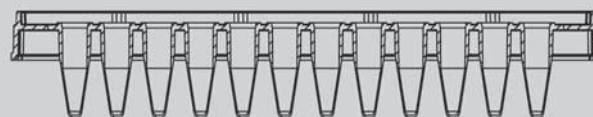
Application/Compatibility:

Standard thermal cycling, ABI Real Time PCR 7300, 7500, 7900, qPCR and ABI Sequencing

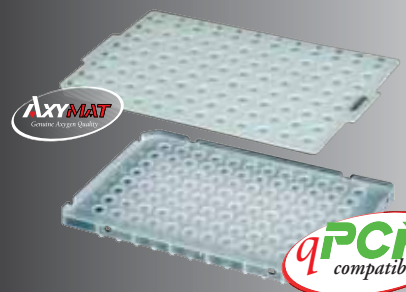
Sealing Options

- Axymats
- Heat Sealing
- Adhesive Films and Foils
- Flat & Domed Cap Strips

Volume to Brim of Well	Working Volume	Volume with Axymat
335µl	300µl	260µl
Maximum G-force = 4,000 RCF		



low profile, half skirt



- 96 Well Semi-Skirted Low Profile PCR Plate
- Optimized for Fast PCR
- Reduced volume minimizes potential evaporation
- Designed for ABI Thermal Cyclers

100µl	Clear	96-well Rapid PCR Plate, Low Profile	Bulk	PCR-96-LP-AB-C
100µl	Black	96-well Rapid PCR Plate, Low Profile	Bulk	PCR-96-LP-AB-BK
100µl	White	96-well Rapid PCR Plate, Low Profile	Bulk	PCR-96-LP-AB-W
	Natural	Sealing Mat for 96-well PCR Microplates	Bulk	AM-96-PCR-RD

Packaging Description:

Plates = 5 plates/sleeve, 5 sleeves/pack, 4 packs/case; Mats = 10 mats/pack, 5 packs/case

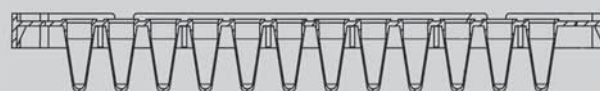
Application/Compatibility:

ABI Fast PCR 7500, 7900 Fast, 9800, Veriti and StepOne

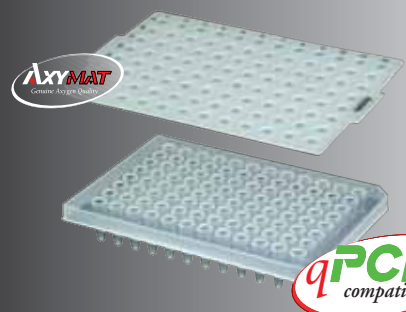
Sealing Options

- Axymats
- Heat Sealing
- Adhesive Films and Foils
- Flat & Domed Cap Strips

Volume to Brim of Well	Working Volume	Volume with Axymat
240µl	200µl	140µl
Maximum G-force = 4,000 RCF		



half skirt



- 96-well Half skirted PCR plate
- Single Notch Corner
- Clear, thin wall well bottom
- Also available in black and white

200µl	Clear	96-well, Half Skirt	Bulk	PCR-96M2-HS-C
	Natural	Sealing Mat for 96-well PCR Microplates	Bulk	AM-96-PCR-RD

Packaging Description:

Plates = 10 plates/pack, 5 packs/case; Mats = 10 mats/pack, 5 packs/case

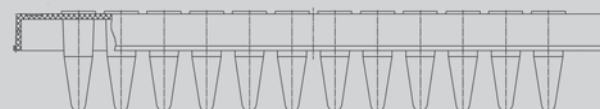
Application/Compatibility:

Standard thermal cycling, plus ABI PCR 2700, 2720, 9700, 9800, 7300, 7500 and 7900 and ABI sequencing units

Sealing Options

- Axymats
- Heat Sealing
- Adhesive Films and Foils
- Flat & Domed Cap Strips

Volume to Brim of Well	Working Volume	Volume with Axymat
340µl	300µl	240µl
Maximum G-force = 4,000 RCF		



Colors available by special order. Contact customer service for details.

96 and 384-well Plates and Mats

full skirt

Volume	Color	Microplate Type	Packaging	Axygen Cat #
200µl	Clear	96-well, Full Skirt	Bulk	PCR-96-FS-C
	Natural	Sealing Mat for 96-well PCR Microplates	Bulk	AM-96-PCR-RD

Packaging Description: Plates = 10 plates/pack, 5 packs/case; Mats = 10 mats/pack, 5 packs/case

Application/Compatibility: Standard thermal cycling, Automation Friendly

Volume to Brim of Well	Working Volume	Volume with AxyMAT	Sealing Options
240µl	200µl	140µl	<ul style="list-style-type: none"> • AxyMats • Heat Sealing • Adhesive Films and Foils • Flat & Domed Cap Strips
Maximum G-force = 4,000 RCF			



- 96-well Full Skirt PCR plate
- Single notch corner
- Clear, thin wall well bottom
- Stackable
- Robotic Friendly full skirt design
- Also available in black and white

skirted

50µl	Clear	384-well	Bulk	PCR-384-C
	Natural	Sealing Mat for 384-well PCR Microplates	Bulk	AM-384-PCR-RD
	Natural	Volume Reducing Sealing Mat*	Bulk	AM-384-PCR-RV

Packaging Description: Plates = 10 plates/pack, 5 packs/case; Mats = 10 mats/pack, 5 packs/case

Application/Compatibility: Standard thermal cycling

Vol. to Brim of Well	Working Vol.	Vol. with AxyMAT	Vol. with VR AxyMAT	Sealing Options
50µl	40µl	30µl	6.0µl	<ul style="list-style-type: none"> • AxyMats • Heat Sealing • Adhesive Films and Foils
Maximum G-force = 4,000 RCF				



Notches on A24 and P24 side

- 384-well Double Notch PCR plate
- Robotic Friendly full skirt design
- Double notch corner

skirted

55µl	Clear	384-well	Bulk	PCR-384M2-C
	Natural	Sealing Mat for 384-well PCR Microplates	Bulk	AM-384-PCR-RD
	Natural	Volume Reducing Sealing Mat*	Bulk	AM-384-PCR-RV

Packaging Description: Plates = 10 plates/pack, 5 packs/case; Mats = 10 mats/pack, 5 packs/case

Application/Compatibility: Standard thermal cycling, Fully ABI compatible for qPCR and Sequencing

Vol. to Brim of Well	Working Vol.	Vol. with AxyMAT	Vol. with VR AxyMAT	Sealing Options
55µl	50µl	40µl	6.5µl	<ul style="list-style-type: none"> • AxyMats • Heat Sealing • Adhesive Films and Foils
Maximum G-force = 4,000 RCF				



Notch on A24 side

- 384-well Single Notch PCR plate
- Robotic Friendly full skirt design
- Single notch corner

PCR Plates AND SEALING MATS



384-well Plates and Mats

Skirted, rigid



Notch on A24 side

- 384-well RigiPlate[®] PCR plate
- Robotic friendly rigid plate with full skirt
- Single notch corner

Volume	Color	Microplate Type	Packaging	Axygen Cat #
50µl	Clear	384-well RigiPlate [®]	Bulk	PCR-384-RGD-C
	Natural	Sealing Mat for 384-well PCR Microplates	Bulk	AM-384-PCR-RD
	Natural	Volume Reducing Sealing Mat*	Bulk	AM-384-PCR-RV

Packaging Description: Plates = 10 plates/pack, 2 packs/sleeve, 5 sleeves/case; Mats = 10 mats/pack, 5 packs/case

Application/Compatibility: Standard thermal cycling, ABI sequencing, automation applications

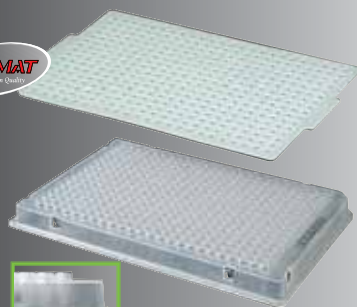
Sealing Options

- AxyMats
- Heat Sealing
- Adhesive Films and Foils

Vol. to Brim of Well	Working Vol.	Vol. with AxyMat	Vol. with VR AxyMat
50µl	49.5µl	30µl	6.5µl
Maximum G-force = 4,000 RCF			



Skirted, elevated wells



elevated wells

Notch on A24 side

- 384-well Single Notch PCR plate
- Raised wells allow 55µl volume
- Single notch corner

55µl	Clear	384-well, 55µl	Bulk	PCR-384-55-C
	Natural	Sealing Mat for 384-well PCR Microplates	Bulk	AM-384-PCR-RD
	Natural	Volume Reducing Sealing Mat*	Bulk	AM-384-PCR-RV

Packaging Description: Plates = 10 plates/pack, 5 packs/case; Mats = 10 mats/pack, 5 packs/case

Application/Compatibility: Standard thermal cycling, ABI sequencing, qPCR

Sealing Options

- AxyMats
- Heat Sealing
- Adhesive Films and Foils

Vol. to Brim of Well	Working Vol.	Vol. with AxyMat	Vol. with VR AxyMat
55µl	50µl	45µl	10.5µl
Maximum G-force = 4,000 RCF			



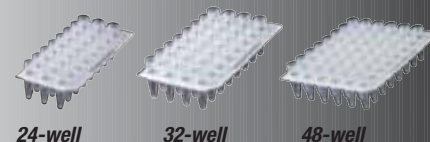
* see page 64 for detailed information on this product

Plates, Mats and Accessories

24, 32 and 48-well



Volume	Color	Description	Packaging	Axygen Cat #
200µl	Clear	24-well Plate	Bulk	PCR-24-C
200µl	Clear	32-well Plate	Bulk	PCR-32-C
200µl	Clear	48-well Plate	Bulk	PCR-48-C



24-well

32-well

48-well

Packaging Description: Plates = 10 plates/pack, 5 packs/case

Real time PCR accessories

-	UltraClear	UltraClear Film, Pressure Sensitive	Bulk	UC-500
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• Ultra Clear for Real Time PCR applications

Packaging Description: Films = 100 films/pack, 5 packs/case



UC-500's superior clarity

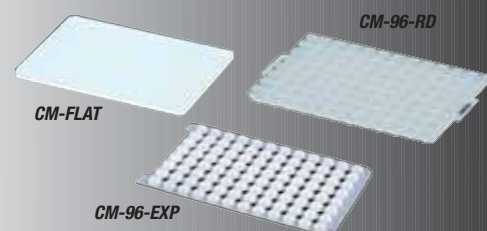
Typical sealing film

Compression/expansion mats

-	Natural	Silicone Compression Mat	Bulk	CM-FLAT
-	Natural	96-well Silicone Compression Mat	Bulk	CM-96-RD
-	Natural	96-well Silicone Expansion Mat	Bulk	CM-96-EXP

- Eliminates evaporation
- 3 versions suitable for all types of plates

Packaging Description: 10 mats/pack, 5 packs/case



CM-FLAT

CM-96-RD

CM-96-EXP

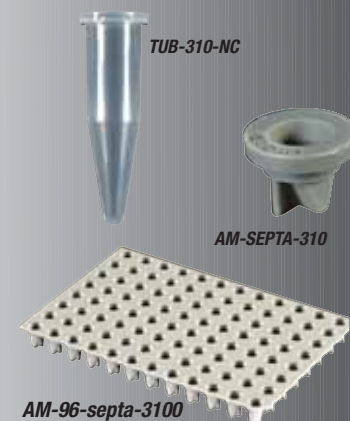
Capillary sequencing products

0.5ml	Clear	Capless Tube for ABI Prism 310 sequencer	Bulk	TUB-310-NC
-	Grey	Individual SeptaCaps for 0.5ml ABI Prism 310 sequencer tubes	Bulk	AM-SEPTA-310
-	Grey	Septa Mat for ABI Multi-Capillary Sequencing Instruments	Bulk	AM-96-SEPTA-3100

Packaging Description: 500 tubes/pack, 5 packs/case

Packaging Description: 500 caps/pack, 5 packs/case

Packaging Description: 10 mats/pack, 5 packs/case



TUB-310-NC

AM-SEPTA-310

AM-96-septa-3100

PCR Tubes FLAT AND DOMED



0.2ml and 0.5ml

0.2ml - flat cap



Color	Volume	Tube Type	Packaging	Axygen Cat #
MaxyClear	0.2ml	Thin Wall, Flat Cap	Bulk	PCR-02-C
Assorted	0.2ml	Thin Wall, Flat Cap	Bulk	PCR-02-A
Blue	0.2ml	Thin Wall, Flat Cap	Bulk	PCR-02-B
Green	0.2ml	Thin Wall, Flat Cap	Bulk	PCR-02-G
Orange	0.2ml	Thin Wall, Flat Cap	Bulk	PCR-02-O
Red	0.2ml	Thin Wall, Flat Cap	Bulk	PCR-02-R
Violet	0.2ml	Thin Wall, Flat Cap	Bulk	PCR-02-V
Yellow	0.2ml	Thin Wall, Flat Cap	Bulk	PCR-02-Y



MaxyClear	0.2ml	Flat Cap, Maxymum Recovery	Bulk	PCR-02-L-C
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Packaging Description: 1000 tubes/pack, 10 packs/case

0.2ml - domed cap



MaxyClear	0.2ml	Thin Wall, Domed Cap	Bulk	PCR-02D-C
Assorted	0.2ml	Thin Wall, Domed Cap	Bulk	PCR-02D-A
Blue	0.2ml	Thin Wall, Domed Cap	Bulk	PCR-02D-B
Green	0.2ml	Thin Wall, Domed Cap	Bulk	PCR-02D-G
Orange	0.2ml	Thin Wall, Domed Cap	Bulk	PCR-02D-O
Red	0.2ml	Thin Wall, Domed Cap	Bulk	PCR-02D-R
Violet	0.2ml	Thin Wall, Domed Cap	Bulk	PCR-02D-V
Yellow	0.2ml	Thin Wall, Domed Cap	Bulk	PCR-02D-Y



MaxyClear	0.2ml	Domed Cap, Maxymum Recovery	Bulk	PCR-02D-L-C
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Packaging Description: 1000 tubes/pack, 10 packs/case

0.2ml - no cap



MaxyClear	0.2ml	Thin Wall PCR Tubes, No Cap	Bulk	PCR-02-NC
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Packaging Description: 1000 tubes/pack, 10 packs/case


0.5ml - flat cap



MaxyClear	0.5ml	Thin Wall, Flat Cap	Bulk	PCR-05-C
Assorted	0.5ml	Thin Wall, Flat Cap	Bulk	PCR-05-A
Blue	0.5ml	Thin Wall, Flat Cap	Bulk	PCR-05-B
Green	0.5ml	Thin Wall, Flat Cap	Bulk	PCR-05-G
Orange	0.5ml	Thin Wall, Flat Cap	Bulk	PCR-05-O
Red	0.5ml	Thin Wall, Flat Cap	Bulk	PCR-05-R
Violet	0.5ml	Thin Wall, Flat Cap	Bulk	PCR-05-V
Yellow	0.5ml	Thin Wall, Flat Cap	Bulk	PCR-05-Y

Packaging Description: 1000 tubes/pack, 10 packs/case




Color	Volume	Tube Type	Packaging	Axygen Cat #
Spectrum 	0.2ml	Thin Wall, Flat Cap, Spectrum Pack Blue, Green, Red, Yellow, Orange	Bulk	PCR-02-SP

Packaging Description: 1000 tubes/pack, 10 packs/case, 2 packs of each color

0.2ml, flat cap, spectrum pack



Spectrum 	0.2ml	Thin Wall, Domed Cap, Spectrum Pack Blue, Green, Red, Yellow, Orange	Bulk	PCR-02D-SP
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Packaging Description: 1000 tubes/pack, 10 packs/case, 2 packs of each color

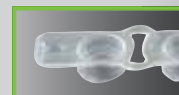
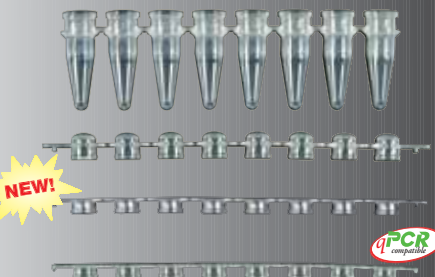
0.2ml, domed cap, spectrum pack



MaxyClear	0.2ml	Thin Wall PCR Tube, 8 per Strip	Bulk	PCR-0208-C
MaxyClear	0.2ml	Domed 8 Strip Caps	Bulk	PCR-02CP-C
MaxyClear	0.2ml	Flat 8 Strip Caps with writing surface	Bulk	PCR-02-FCP-C
MaxyClear	0.2ml	Thin Wall PCR Tubes and Domed Caps, 8 per Strip	Bulk	PCR-0208-CP-C
MaxyClear	0.2ml	Thin Wall PCR Tubes and Flat Caps, 8 per Strip	Bulk	PCR-0208-FCP-C
MaxyClear	0.2ml	Thin Wall PCR Caps for qPCR, 8 per Strip	Bulk	PCR-2CP-RT-C

Packaging Description: 125 strips/pack, 10 packs/case

8-strip

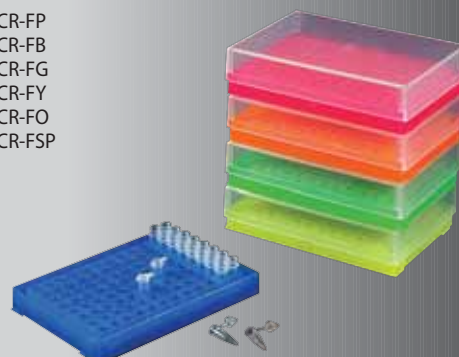


Optical flat cap strips feature ultra-clear upper surfaces, ideal for fluorescent, luminescent and real-time PCR applications. They offer a light transmittance that is 75% higher than with standard strip caps. Made to seal tube strips and 96-well plates.

PCR tube storage rack

Fluorescent Pink	PCR Storage Rack	Bulk	R-96-PCR-FP
Fluorescent Blue	PCR Storage Rack	Bulk	R-96-PCR-FB
Fluorescent Green	PCR Storage Rack	Bulk	R-96-PCR-FG
Fluorescent Yellow	PCR Storage Rack	Bulk	R-96-PCR-FY
Fluorescent Orange	PCR Storage Rack	Bulk	R-96-PCR-FO
5 Fluorescent Colors	PCR Storage Rack, Spectrum Pack	Bulk	R-96-PCR-FSP

Packaging Description: 5 racks/pack, 5 packs/case



PCR Tube Packaging

PCR Tubes are shipped in re-sealable plastic bags packed in individual boxes, keeping them contaminant-free and easily stored.

PCR Plate COMPATIBILITY



Axygen Plate /
Catalog page >

PCR-96-FLT	PCR-96-LP-FLT	PCR-96	PCR-96-MB	PCR-96-SG	PCR-96M2-HS	PCR-96-AB	PCR-96-LP-AB	PCR-96-FS	PCR-384	PCR-384M2	PCR-384-55	PCR-384-RGD
52	53	52	52	53	54	54	54	55	55	55	56	56

Brand Model
Real Time PCR Thermal Cyclers

Applied Biosystems		7000	✓					✓	✓				
		7300	✓					✓	✓				
		7500	✓					✓	✓	✓*			
		7700	✓					✓	✓				
		7900HT						✓	✓	✓*		✓	
		StepOne						✓					
BioRad		iCycler	✓		✓		✓	✓					
		MyiQ	✓		✓								
		iQ5	✓		✓		✓		✓				
Eppendorf		MasterCycler ep Realplex		✓					✓				
MJ Research		Opticon		✓					✓				
		Opticon 2		✓					✓				
		Chromo4		✓					✓				
Stratagene		MX-4000		✓	✓								
		MX-3000	✓										
		Quantica		✓					✓				

PCR Thermal Cyclers

Applied Biosystems		Veriti	✓		✓		✓	✓	✓	✓*		✓	✓	✓	✓
		9600	✓		✓		✓	✓	✓						
		9700	✓		✓		✓	✓	✓			✓	✓	✓	✓
		9800 FAST								✓					
		2720	✓		✓		✓	✓	✓			✓	✓	✓	✓
Biomate		Uno	✓	✓	✓		✓	✓		✓					
		Uno II	✓	✓	✓			✓			✓	✓	✓	✓	✓
		T1 Thermal Cycler	✓	✓	✓			✓		✓	✓	✓	✓	✓	✓
		Tgradient	✓	✓	✓			✓		✓					
		Trobot	✓	✓	✓			✓		✓	✓	✓	✓	✓	✓
BioRad		iCycler	✓		✓			✓							
		MyCycler	✓		✓			✓							
Corbett Research		PalmCycler 96		✓				✓		✓					
		PalmCycler 384								✓	✓	✓	✓	✓	✓
Eppendorf		Mastercycler	✓	✓	✓			✓		✓					
		Mastercycler ep	✓	✓	✓			✓		✓					
		Mastercycler M384								✓	✓	✓	✓	✓	✓
Flexi		Gene	✓		✓			✓		✓	✓	✓	✓	✓	✓
		Genius	✓		✓			✓		✓					

* compatible with ABI Fast PCR only

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Axygen Plate /
< Catalog page

PCR Thermal Cyclers

Single Block	Ericomp
TwinBlock	
Deltacycler I	
PCR Sprint	ThermoHybaid
PCR Express	
Multiblock System	
Touchdown	
Omnigene	
Omn-E	
pxe	
px2	
PTC-100	MJ Research
PTC-200	
PTC-225 Tetrad	
Dyad/Disciple	
Primus 96	MWG
Primus 384	
Robocycler	Stratagene
TP240	TaKaRa
TP3000	
Touchgene Gradient (TC512)	Techn
Genius (TC412)	
Touchgene X	
Sequencers	
3100	Applied Biosystems
3130	
3700	
3730/3730x	
MegaBACE 500	Amersham
MegaBACE 1000	
MegaBACE 4000	
CEQ	Beckman
BaseStation	MJ Research
WAVE System	Paragon

Sealing products

From PCR to compound storage to ELISA to tissue culture, if your lab has an application, Axygen has a way to seal your plate. As with our other product lines, you can count on Axygen for variety, quality and innovation.

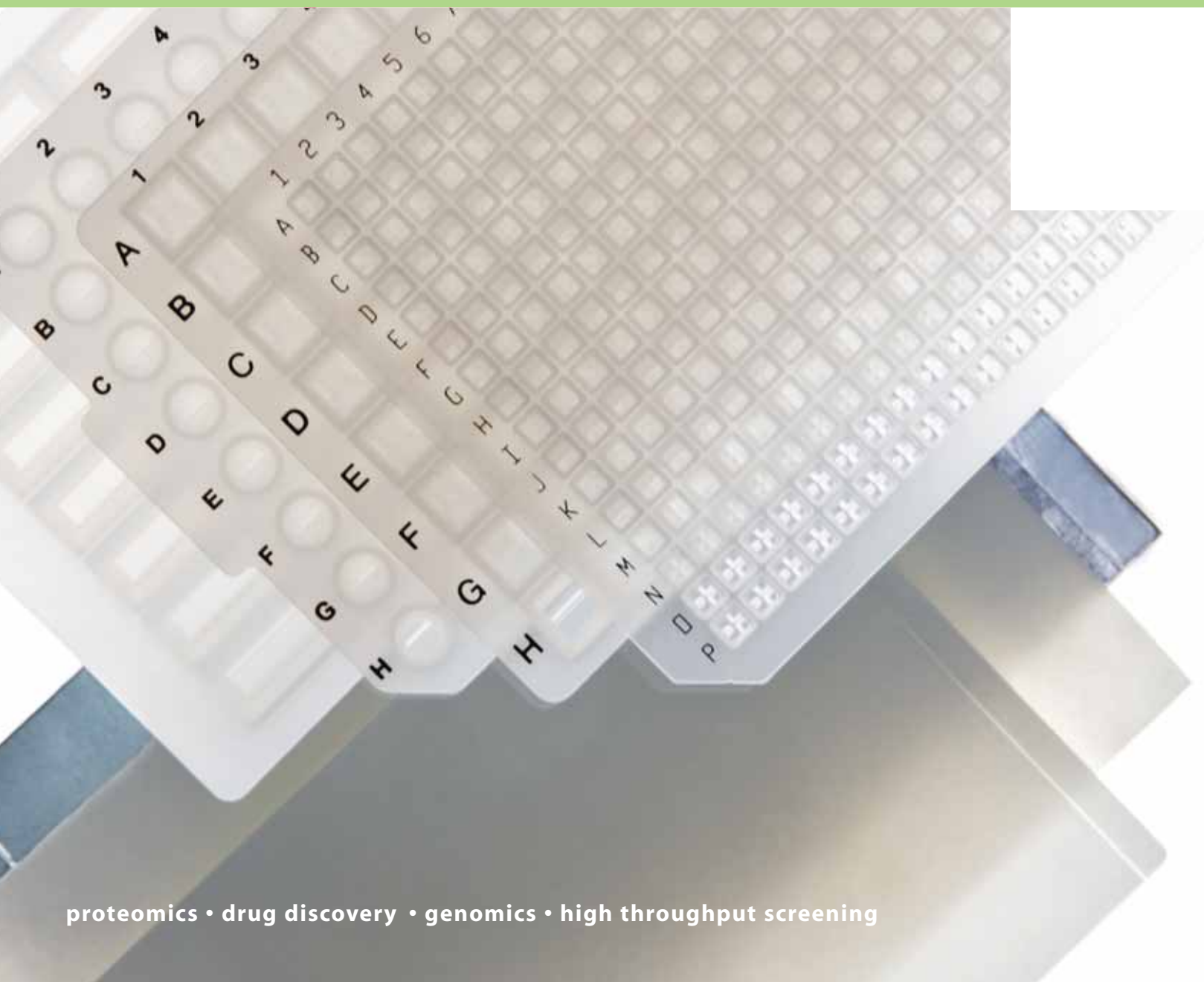
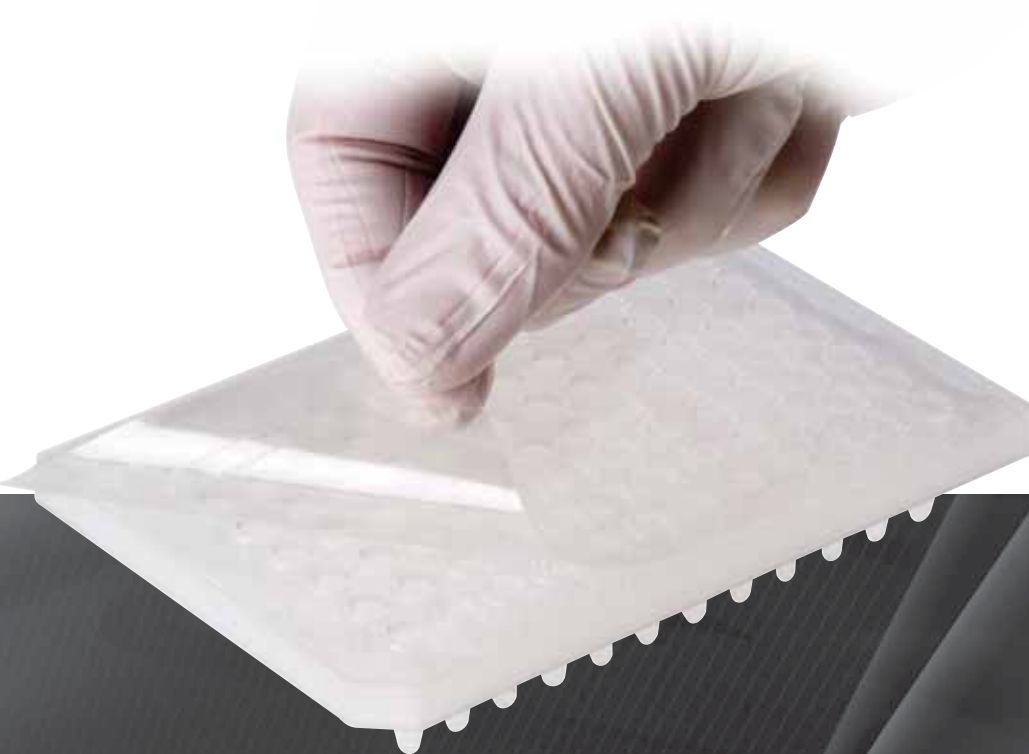




Plate Sealing

Each "well sealer" incorporates a "scored" area for puncturing by a syringe needle. This allows samples to be dispensed and/or aspirated even while the AxyMat is in place.

Each 'well-sealer', once punctured, will reseal itself, ensuring an airtight seal to the well.



- **The most complete line** of sealing products in the industry, for the greatest possible number of choices

- **EasyPress and MiniSealer** offer automated options to make applying seals even easier and less time-consuming

- **An extensive range of ImpermaMats** offer unsurpassed protection for applications involving aggressive solvents

- **Sealing films** offer great economy for disposable ease

- **AxyMats and ImpermaMats** can be reused for increased economy

- **Films and mats** can be used in a wide temperature range, making them suitable for nearly any application

How do you like to seal?

- 1 8-strip caps**, in either dome cap or optically clear flat cap formats, can be applied to Axygen strip tubes and multi-well PCR plates, offering excellent flexibility.
- 2 Sealing films.** For applications ranging from PCR and Real Time PCR to ELISA and cell culture, Axygen films are the easiest and most cost-effective way to seal plates.
- 3 AxyMats.** Reusable and versatile, Axygen AxyMats minimize evaporation in a wide range of temperatures in PCR and storage applications.
- 4 ImpermaMats.** For storage applications involving more aggressive solvents, Axygen's ImpermaMats are a cost-effective way to decrease evaporation and increase security.
- 5 Sealing Equipment.** For higher-throughput laboratories, Axygen offers sealing options to accommodate the need for greater automation with excellent cost-effectiveness.























PlatemaX




















For PCR microplates

Mat Type	Color	Description	Packaging	Axygen Cat #				
	Natural	96-well PCR Sealing Mat	Bulk	AM-96-PCR-RD				
								
PCR-96-C	PCR-96-MB-C	PCR-96-LP-FLT-C	PCR-96-FLT-C	PCR-96-SG-C	PCR-96-AB-C	PCR-96-LP-AB-C	PCR-96M2-HS-C	PCR-96-FS-C
	Natural	384-well PCR Sealing Mat	Bulk	AM-384-PCR-RD				
								
PCR-384-C	PCR-384M2-C	PCR-384-RGD-C	PCR-384-55-C					
	Natural	384-well PCR Volume Reducing Mat	Bulk	AM-384-PCR-RV				
								
PCR-384-C	PCR-384M2-C	PCR-384-RGD-C	PCR-384-55-C					

For assay and storage plates

		Natural	96-well Storage Sealing Mat for Round Well Plates	Bulk	AM-2ML-RD
					
	P-DW-11-C	P-DW-20-C	P-96-450R-C	P-96-450V-C	
		Natural	96-well Storage Sealing Mat	Bulk	AM-500UL-RD
					
	P-DW-500-C				
		Natural	96-well Square Well Sealing Mat for Square Well Plates	Bulk	AM-2ML-SQ
					
	P-2ML-SQ-C				
		Natural	96-well ELISA and Storage Sealing Mat	Bulk	AM-750UL-RD
					
	Optimized to fit 1.0ml Greiner and Corning deep-well plates as well as the Axxygen MTS system.				
		Natural	384-well Storage Sealing Mat for Square Well Plates	Bulk	AM-384-DW-SQ
					
	P-384-120SQ-C	P-384-240SQ-C			

Packaging Description:

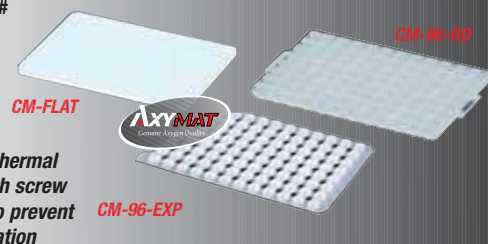
All Mats = 10 mats/pack, 5 packs/case



Compression/expansion

Color	Description	Packaging	Axygen Cat #
Natural	Silicone Compression Mat	Bulk	CM-FLAT
Natural	96-well Silicone Compression Mat	Bulk	CM-96-RD
Natural	96-well Silicone Expansion Mat	Bulk	CM-96-EXP

Packaging Description: 10 mats/pack, 5 packs/case



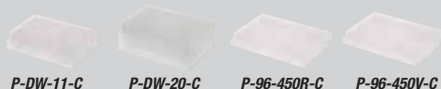
Impermamat

- **Chemical Resistance** - use with confidence in any application requiring the presence of DMSO and similarly harsh solvents
- **Specifically designed for Axgen deep well and microplates** - complete system available for chemical assays
- **Cost effective** - can be re-used
- **Contains NO adhesives** - no extractables to contaminate samples
- **Tight seal to the plate** - no sample evaporation or well-to-well contamination
- **Usable within wide temperature range** - from -80°C up to +121°C
- **High contrast alphanumeric grid** - for easy well identification



Mat Type	Color	Description	Packaging	Axygen Cat #
	Natural	Chemically Resistant Sealing Mat for 1.1ml and 2.0ml 96-well Deep Well Plates with Round Wells	Bulk	AM-2ML-RD-IMP

FITS



Packaging Description: 10 mats/pack, 5 packs/case

96-well impermatats

	Natural	Chemically Resistant Sealing Mat for 2.0ml 96-well Deep Well Plates with Rectangular Wells	Bulk	AM-2ML-SQ-IMP
--	---------	--	------	---------------

FITS



Packaging Description: 10 mats/pack, 5 packs/case

96-well impermatats

	Natural	Chemically Resistant Sealing Mat for 5.0ml 48 Well Deep Well Plates	Bulk	AM-48-IMP
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FITS

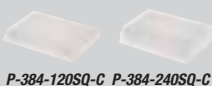


Packaging Description: 10 mats/pack, 5 packs/case

48-well impermatats

	Natural	Chemically Resistant Sealing Mat for 384-well MicroPlates with Square Wells	Bulk	AM-384-SQ-IMP
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FITS



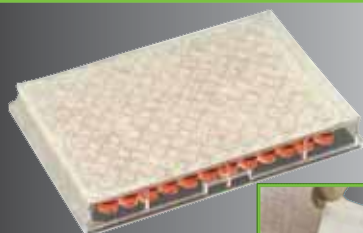
Packaging Description: 10 mats/pack, 5 packs/case

384-well impermatats



For Multi-well Microplates

Breathable

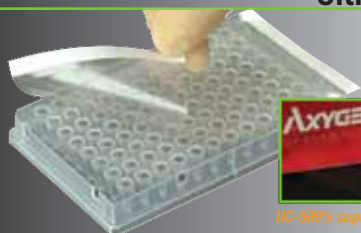


Material	Thickness	Description	Dimensions (mm)	Working Temp. Min.	Working Temp. Max.	Application	Packaging	Axygen Cat #
Rayon	50µm	Breathable Film	153 x 82.3	-20°C	80°C	Tissue Culture	Bulk	BF-400
Rayon	50µm	Breathable Film	153 x 82.3	-20°C	80°C	Culture	Bulk, Pre-Sterilized*	BF-400-S

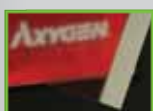
- Allows effective gas exchange for cellular and bacterial cultivation, while preventing contamination
- Seals polypylene and polystyrene culture plates, 96-well plates, 384-well plates and other assay plates

Packaging Description: 100 films/pack, 10 packs/case; *25 per bag, 2 bags per box, 10 boxes per case

UltraClear



UC-600's superior clarity



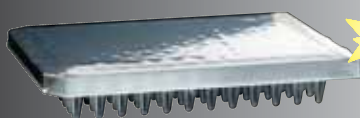
Typical sealing film

Polyester	70µm	UltraClear Film, Pressure Sensitive	141.5 x 77.7	-40°C	104°C	Real Time PCR	Bulk	UC-500
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- Seals 96- and 384-well PCR plates
- Film clarity allows for optical analysis during Real Time PCR
- With a unique pressure sensitive adhesive, this film has none of the tacky residues that can interfere with optical analysis

Packaging Description: 100 films/pack, 5 packs/case

Aluminum



Aluminum	35µm	Aluminum Seal	146 x 79.2	-80°C	104°C	PCR/Storage & Light Sensitive	Bulk	PCR-AS-200
Aluminum	50µm	Aluminum Seal	133.3 x 79.2	-80°C	104°C	Light Sensitive	Bulk	PCR-AS-600

- Provides exceptional seal on multi-well plates under the widest temperature conditions and reagents
- When used in conjunction with Axygen's compression mat, seals during thermocycling process
- Ideal for light sensitive samples and its uniformly applied adhesive provides optimum well sealing
- Pierceable, PCR-AS-200

Packaging Description: 100 films/pack, 5 packs/case

CyclerSeal

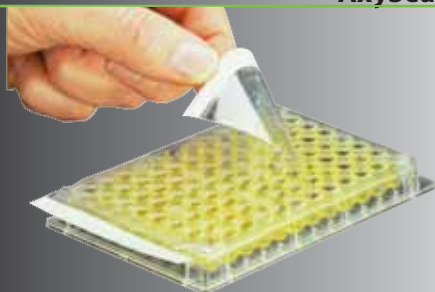


Polypropylene	60µm	CyclerSeal	135.5 x 80	-40°C	104°C	PCR/Storage	Bulk	PCR-TS
Polypropylene	120µm	CyclerSeal	137.6 x 80.8	-40°C	104°C	PCR/Storage	Bulk	PCR-TS-900*

- Exceptional seal across entire plate safeguards samples during transport or storage
- When used with Axygen's compression mat, this polypropylene film eliminates well to well contamination and cross-over in PCR applications
- PCR-TS-900 is suitable for water-bath and other difficult PCR applications

Packaging Description: 100 films/pack, 5 packs/case; * 50 films/pack, 5 packs/case

AxySeal



Polyester	80µm	AxySeal	146 x 79.6	-40°C	104°C	ELISA	Bulk	PCR-SP
Polyester	80µm	AxySeal	146 x 79.6	-40°C	104°C	ELISA	Bulk, Pre-Sterilized	PCR-SP-S

- Polyester based with uniformly and consistently applied acrylic adhesive to eliminate the edge effect in sensitive ELISA assays
- Suitable for sealing tissue culture plates, for short-term storage and incubation, for transport and the containment of biohazardous solutions
- Available in both non-sterile and sterile packaging

Packaging Description: 100 films/pack, 5 packs/case



Heat Sealing Films

Material	Thickness	Description	Dimensions (mm)	Working Temp. Min. Max.	Application	Packaging	Axygen Cat #
Aluminum/Ethylene/Vinyl	60µm	VersaFilm	114.5 x 80.4	-80 104°C	Storage	Bulk	MF-111
Litto/Ethylene/Vinyl	85µm	Paper-backed	127.2 x 79.5	-80 104°C	Storage	Bulk	MF-300

Packaging Description: 100 films/pack, 5 packs/case



Heat Sealer Specifications and Settings

Sealing Film Part Number	Description	Temperature Range	Time
MF-111	VersaFilm	130 - 150°C	1 - 4 sec.
MF-300	Paper-backed	125 - 140°C	1 - 4 sec.

EasyPress Sealing Mat and Film Applicator

Axygen EasyPress is a manual device which provides simple and effective application of Axymats and/or ImpermaMats to 96- and 384- microplates, deep well plates, microtiter tube systems and PCR plates. The EasyPress can handle any size plate of varying heights (384 PCR to 2ml deep well blocks) by quick adjustment of the large thumbwheel.

Description	Suitable for Plates	Catalog No.
EasyPress	Deep well plates, Microplates PCR plates, in 96 and 384 format	IT-EP-R



To adjust for a new plate, lower the handle and place a plate on the 'plate slide' with no Axymat.



Adjust the large thumbwheel clockwise to lower the press head to the desired firm level.



With the 'plate slide' in the out position, place the appropriate Axymat on top of the plate, align 2 - 3 corners of the Axymats and place the plate with the Axymat into the 'plate slide' and move into the press.



You are now ready to continue sealing plates of the same size starting at step #3. If sealing a plate of a different height start at step #1.



Holding the outer edge of the 'base plate', gently pull down on the handle to the bottom of its stroke and then return the handle to the top. Slide the plate tray out of the EasyPress and remove your plate.

- Simple to use
- Cost effective
- Flexible - can be used with plates of varying heights and types



Description	Catalog No.
Sealing Film Roller	PCR-SP-ROLLER

- Ideal for the application of all PlateMax™ sealing films.



NEW!

Microtubes



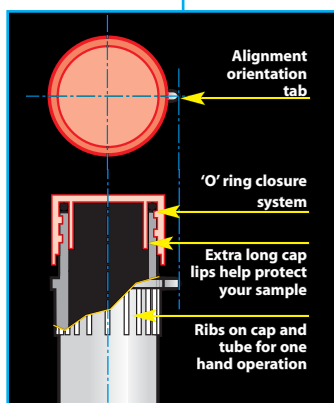
THE DIFFERENCE IS CLEAR



for the ultimate in sample integrity

**AXYGEN'S MICROCENTRIFUGE TUBES ARE PRODUCED
FROM MEDICAL GRADE POLYPROPYLENE**

- **MAXIMUM RECOVERY & Standard Snaplock tubes** – 0.5, 1.5, 1.7 and 2.0ml
- **MAXIMUM RECOVERY & Standard Screw-cap tubes** – 0.5, 1.5 and 2.0ml conical and free-standing
- **Durable Plastic Tube Racks** – 50-, 80- and 81-position
- **Aluminum Tube Racks** – 48-position for screw cap tubes



The closure on Oxygen Screw Cap Tubes feature an 'O' ring that is formulated and manufactured from a specially selected material that is resistant to many commonly-used laboratory chemicals. The Alignment Orientation Tab (US patent # 5891327) allows the microtube to be aligned with the centrifuge rotor for multiple applications, including desalting. This ensures that the microtube can be re-spun without disturbing the partially pelletized sediment.

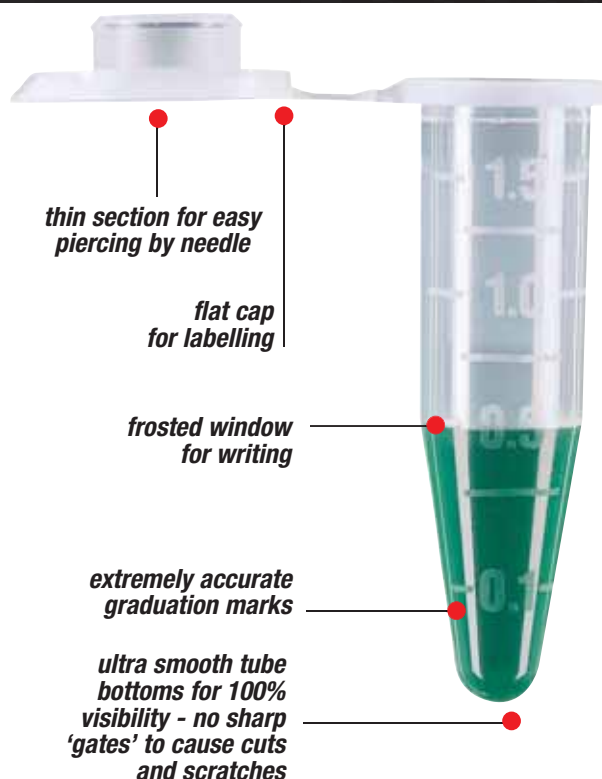
- **MAXYclear™ for the ultimate in sample visibility** - found in all of Axygen's SnapLock tubes
- **A wide range of colored tubes** for easy sample identification
- **SnapLock tubes are guaranteed to stay closed** - even during boiling or autoclaving!

MAXYclear SnapLock Microtubes

Axygen 1.5ml, 1.7ml and 2.0ml Snaplock microtubes are engineered to close with a "snap" and stay closed during centrifugation up to 20,000 RCF. The 0.6ml and 1.7ml MAXYclear tubes are manufactured of a copolymer material to offer exceptional strength and chemical resistance. All Axygen SnapLock microtubes have frosted cap surfaces for labelling, frosted panels on the side for writing, a 0.28 mm piercing port in the center of the cap, are tested to 55 psi and are ready for autoclaving.

MAXYclear Screw Cap Microtubes

Axygen screw cap microtubes serve a broad range of laboratory needs including collection, processing, centrifugation, long-term storage and packaging/shipping of restriction enzymes and other reagents. Color-coded caps provide a syringe port which is easily pierced for radioisotope labelling and fraction collecting. The threaded 'O' ring design ensures a uniform closure allowing centrifugation up to 20,000 RCF. Ribs are designed to fit racks and facilitate single-handed opening and closing when used with our aluminum AxyRack, found on page 76. See page 79 for information on RCF, or "g-force".



- **Will withstand up to 20,000 RCF**
- **SnapLock cap assures efficient seal**, yet is still easy to 'flip' open
- **Thin membrane in cap center** allows easy access to sample by syringe needle
- **Certified RNase-, DNase- and endotoxin-safe** for total sample integrity
- **MAXIMUM RECOVERY** - available in most styles for minimal sample retention

Snaplock MICROTUBES



Maxyclear

- Co-polymer tubes offer exceptional strength and chemical resistance
- Homopolymer tubes are more resistant to autoclaving
- 0.6ml, 1.5ml and 2.0ml microtubes are certified boil proof

0.6ml - Maxyclear



Color	Volume	Microtube Material	Packaging	Oxygen Cat #
MaxyClear	0.6ml	Homopolymer	Bulk	MCT-060-C
Assorted*	0.6ml	Homopolymer	Bulk	MCT-060-A
Blue	0.6ml	Homopolymer	Bulk	MCT-060-B
Green	0.6ml	Homopolymer	Bulk	MCT-060-G
Orange	0.6ml	Homopolymer	Bulk	MCT-060-O
Red	0.6ml	Homopolymer	Bulk	MCT-060-R
Violet	0.6ml	Homopolymer	Bulk	MCT-060-V
Amber	0.6ml	Homopolymer	Bulk	MCT-060-X
Yellow	0.6ml	Homopolymer	Bulk	MCT-060-Y

Packaging Description:
Maximum G-force:

1000 tubes/pack, 10 packs/case
14,000 RCF

1.7ml - Maxyclear



MaxyClear	1.7ml	Co-polymer	Bulk	MCT-175-C
Assorted*	1.7ml	Co-polymer	Bulk	MCT-175-A
Blue	1.7ml	Co-polymer	Bulk	MCT-175-B
Green	1.7ml	Co-polymer	Bulk	MCT-175-G
Orange	1.7ml	Co-polymer	Bulk	MCT-175-O
Red	1.7ml	Co-polymer	Bulk	MCT-175-R
Violet	1.7ml	Co-polymer	Bulk	MCT-175-V
Amber	1.7ml	Co-polymer	Bulk	MCT-175-X
Yellow	1.7ml	Co-polymer	Bulk	MCT-175-Y

Packaging Description:
Maximum G-force:

500 tubes/pack, 10 packs/case
20,000 RCF

1.5ml - Maxyclear



MaxyClear	1.5ml	Homopolymer	Bulk	MCT-150-C
Assorted*	1.5ml	Homopolymer	Bulk	MCT-150-A
Blue	1.5ml	Homopolymer	Bulk	MCT-150-B
Green	1.5ml	Homopolymer	Bulk	MCT-150-G
Orange	1.5ml	Homopolymer	Bulk	MCT-150-O
Red	1.5ml	Homopolymer	Bulk	MCT-150-R
Violet	1.5ml	Homopolymer	Bulk	MCT-150-V
Amber	1.5ml	Homopolymer	Bulk	MCT-150-X
Yellow	1.5ml	Homopolymer	Bulk	MCT-150-Y

Packaging Description:
Maximum G-force:

500 tubes/pack, 10 packs/case
20,000 RCF

2.0ml - Maxyclear



MaxyClear	2.0ml	Homopolymer	Bulk	MCT-200-C
Assorted*	2.0ml	Homopolymer	Bulk	MCT-200-A
Blue	2.0ml	Homopolymer	Bulk	MCT-200-B
Green	2.0ml	Homopolymer	Bulk	MCT-200-G
Orange	2.0ml	Homopolymer	Bulk	MCT-200-O
Red	2.0ml	Homopolymer	Bulk	MCT-200-R
Violet	2.0ml	Homopolymer	Bulk	MCT-200-V
Amber	2.0ml	Homopolymer	Bulk	MCT-200-X
Yellow	2.0ml	Homopolymer	Bulk	MCT-200-Y

Packaging Description:
Maximum G-force:

500 tubes/pack, 10 packs/case
20,000 RCF

* colors included: blue, green, violet, orange, red and yellow in approximately equal quantities



Snaplock

MICROTUBES

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Maxyclear



Maxyclear

Color	Volume	Microtube Material / Description	Packaging	Axygen Cat #
Spectrum	0.6ml	Homopolymer	Bulk	MCT-060-SP
Spectrum	1.5ml	Homopolymer	Bulk	MCT-150-SP
Spectrum	1.7ml	Co-polymer	Bulk	MCT-175-SP
Spectrum	2.0ml	Homopolymer	Bulk	MCT-200-SP

Packaging Description:

0.6ml = 1000 tubes/pack, 10 packs/case; **other sizes** = 500 tubes/pack, 10 packs/case.
2 packs of blue, green, orange, red and yellow tubes per case

Maximum G-force:

0.6ml = 14,000 RCF; other size tubes = 20,000 RCF



Maxymum Recovery

MaxyClear	0.6ml	Homopolymer, Maxymum Recovery	Bulk	MCT-060-L-C
MaxyClear	1.5ml	Homopolymer, Maxymum Recovery	Bulk	MCT-150-L-C
MaxyClear	1.7ml	Co-polymer, Maxymum Recovery	Bulk	MCT-175-L-C
MaxyClear	2.0ml	Homopolymer, Maxymum Recovery	Bulk	MCT-200-L-C

Packaging Description:

0.6ml = 500 tubes/pack, 10 packs/case; **other sizes** = 250 tubes/pack, 10 packs/case
0.6ml = 14,000 RCF; other size tubes = 20,000 RCF

Maximum G-force:

Pre-sterilized

MaxyClear	0.6ml	Homopolymer, Pre-Sterilized	Bulk	MCT-060-C-S
MaxyClear	1.5ml	Homopolymer, Pre-Sterilized	Bulk	MCT-150-C-S
MaxyClear	1.7ml	Co-polymer, Pre-Sterilized	Bulk	MCT-175-C-S
MaxyClear	2.0ml	Homopolymer, Pre-Sterilized	Bulk	MCT-200-C-S

Packaging Description:

0.6ml = 500 tubes/pack, 10 packs/case; **other sizes** = 250 tubes/pack, 10 packs/case

Maximum G-force:

0.6ml = 14,000 RCF; other size tubes = 20,000 RCF

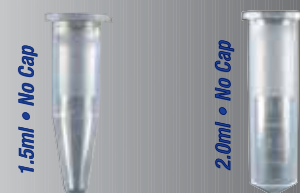
1.5 and 2.0ml

MaxyClear	1.5ml	Homopolymer, No Cap	Bulk	MCT-150-NC
MaxyClear	2.0ml	Homopolymer, No Cap	Bulk	MCT-200-NC

Packaging Description:

500 tubes/pack, 10 packs/case
20,000 RCF

Maximum G-force:



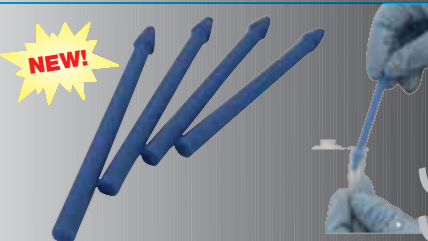
for 1.5ml and 2.0ml tubes

Tissue Grinder

Blue	1.5 & 2.0ml	Pestle, Pre-Sterilized	Individually Wrapped	PES-15-B-SI
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Packaging Description:

Individually Wrapped, 100/pack, 4 packs/case



Micro Tube Packaging

All Microtubes are shipped in re-sealable plastic bags packed in individual boxes – keeping your supply safe from contamination and easily stored.



Autoclaving Protocol

Autoclave at 121°C/250°F at 15 psi (1 atm.) for 15 minutes. Do not use drying cycle. Remove from autoclave once temperature has reached at least 80°C.

Autoclaving Caution

Excessive exposure to autoclaving heat may cause warping or decreased structural integrity. Do not exceed 121°C / 250°F, 15 psi (1 atm.), 15 minutes.

NOT ALL PRODUCTS ARE AUTOCLAVABLE

- Durable and inert polypropylene construction
- Designed to fit 1.5ml & 2.0ml centrifuge tubes
- Individually wrapped and pre-sterilized for convenience

Screw Cap TUBES



With Caps

0.5ml, conical



SCT-45-C

All non-sterile cap tubes are packaged with unattached, non-looped caps with 'o'-rings

Color	Volume	Style	Tube Type	Axygen Cat #
Clear	0.5ml	Conical	Screw Cap Tubes and Caps	SCT-45-C
Clear	0.5ml	Conical	Screw Cap Tubes and Caps	SCT-050-C
Assorted [†]	0.5ml	Conical	Screw Cap Tubes and Caps	SCT-050-A
Grey	0.5ml	Conical	Screw Cap Tubes and Caps	SCT-050-GR
White	0.5ml	Conical	Screw Cap Tubes and Caps	SCT-050-W
Pink	0.5ml	Conical	Screw Cap Tubes and Caps	SCT-050-P
Red	0.5ml	Conical	Screw Cap Tubes and Caps	SCT-050-R
Orange	0.5ml	Conical	Screw Cap Tubes and Caps	SCT-050-O
Yellow	0.5ml	Conical	Screw Cap Tubes and Caps	SCT-050-Y
Green	0.5ml	Conical	Screw Cap Tubes and Caps	SCT-050-G
Blue	0.5ml	Conical	Screw Cap Tubes and Caps	SCT-050-B
Violet	0.5ml	Conical	Screw Cap Tubes and Caps	SCT-050-V
Brown	0.5ml	Conical	Screw Cap Tubes and Caps	SCT-050-BR

Packaging Description:
Maximum G-force:

500 tubes/pack, 8 packs/case; [†]50/bag, 10 bags/pack, 8 packs/case
20,000 RCF

0.5ml, self standing



Clear	0.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-050-SS-C
Assorted [†]	0.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-050-SS-A
Grey	0.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-050-SS-GR
White	0.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-050-SS-W
Pink	0.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-050-SS-P
Red	0.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-050-SS-R
Orange	0.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-050-SS-O
Yellow	0.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-050-SS-Y
Green	0.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-050-SS-G
Blue	0.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-050-SS-B
Violet	0.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-050-SS-V
Brown	0.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-050-SS-BR

Packaging Description:
Maximum G-force:

500 tubes/pack, 8 packs/case; [†]50/bag, 10 bags/pack, 8 packs/case
20,000 RCF

1.5ml, conical



Clear	1.5ml	Conical	Screw Cap Tubes and Caps	SCT-150-C
Assorted [†]	1.5ml	Conical	Screw Cap Tubes and Caps	SCT-150-A
Grey	1.5ml	Conical	Screw Cap Tubes and Caps	SCT-150-GR
White	1.5ml	Conical	Screw Cap Tubes and Caps	SCT-150-W
Pink	1.5ml	Conical	Screw Cap Tubes and Caps	SCT-150-P
Red	1.5ml	Conical	Screw Cap Tubes and Caps	SCT-150-R
Orange	1.5ml	Conical	Screw Cap Tubes and Caps	SCT-150-O
Yellow	1.5ml	Conical	Screw Cap Tubes and Caps	SCT-150-Y
Green	1.5ml	Conical	Screw Cap Tubes and Caps	SCT-150-G
Blue	1.5ml	Conical	Screw Cap Tubes and Caps	SCT-150-B
Violet	1.5ml	Conical	Screw Cap Tubes and Caps	SCT-150-V
Brown	1.5ml	Conical	Screw Cap Tubes and Caps	SCT-150-BR

Packaging Description:
Maximum G-force:

500 tubes/pack, 8 packs/case; [†]50/bag, 10 bags/pack, 8 packs/case
20,000 RCF

1.5ml, self standing



Clear	1.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-150-SS-C
Assorted [†]	1.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-150-SS-A
Grey	1.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-150-SS-GR
White	1.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-150-SS-W
Pink	1.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-150-SS-P
Red	1.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-150-SS-R
Orange	1.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-150-SS-O
Yellow	1.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-150-SS-Y
Green	1.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-150-SS-G
Blue	1.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-150-SS-B
Violet	1.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-150-SS-V
Brown	1.5ml	Self Standing	Screw Cap Tubes and Caps	SCT-150-SS-BR

Packaging Description:
Maximum G-force:

500 tubes/pack, 8 packs/case; [†]50/bag, 10 bags/pack, 8 packs/case
20,000 RCF

* Maximum Recovery Screw Cap Tubes available as special order items. Please call our customer service department for more information.

Screw Cap

TUBES

73 //

With and Without Caps

2.0ml, conical

Color	Volume	Style	Tube Type	Axygen Cat #
Clear	2.0ml	Conical	Screw Cap Tubes and Caps	SCT-200-C
Assorted†	2.0ml	Conical	Screw Cap Tubes and Caps	SCT-200-A
Grey	2.0ml	Conical	Screw Cap Tubes and Caps	SCT-200-GR
White	2.0ml	Conical	Screw Cap Tubes and Caps	SCT-200-W
Pink	2.0ml	Conical	Screw Cap Tubes and Caps	SCT-200-P
Red	2.0ml	Conical	Screw Cap Tubes and Caps	SCT-200-R
Orange	2.0ml	Conical	Screw Cap Tubes and Caps	SCT-200-O
Yellow	2.0ml	Conical	Screw Cap Tubes and Caps	SCT-200-Y
Green	2.0ml	Conical	Screw Cap Tubes and Caps	SCT-200-G
Blue	2.0ml	Conical	Screw Cap Tubes and Caps	SCT-200-B
Violet	2.0ml	Conical	Screw Cap Tubes and Caps	SCT-200-V
Brown	2.0ml	Conical	Screw Cap Tubes and Caps	SCT-200-BR

Packaging Description:
Maximum G-force:

500 tubes/pack, 8 packs/case; †50/bag, 10 bags/pack, 8 packs/case
20,000 RCF



2.0ml, self standing

Clear	2.0ml	Self Standing	Screw Cap Tubes and Caps	SCT-200-SS-C
Assorted†	2.0ml	Self Standing	Screw Cap Tubes and Caps	SCT-200-SS-A
Grey	2.0ml	Self Standing	Screw Cap Tubes and Caps	SCT-200-SS-GR
White	2.0ml	Self Standing	Screw Cap Tubes and Caps	SCT-200-SS-W
Pink	2.0ml	Self Standing	Screw Cap Tubes and Caps	SCT-200-SS-P
Red	2.0ml	Self Standing	Screw Cap Tubes and Caps	SCT-200-SS-R
Orange	2.0ml	Self Standing	Screw Cap Tubes and Caps	SCT-200-SS-O
Yellow	2.0ml	Self Standing	Screw Cap Tubes and Caps	SCT-200-SS-Y
Green	2.0ml	Self Standing	Screw Cap Tubes and Caps	SCT-200-SS-G
Blue	2.0ml	Self Standing	Screw Cap Tubes and Caps	SCT-200-SS-B
Violet	2.0ml	Self Standing	Screw Cap Tubes and Caps	SCT-200-SS-V
Brown	2.0ml	Self Standing	Screw Cap Tubes and Caps	SCT-200-SS-BR

Packaging Description:
Maximum G-force:

500 tubes/pack, 8 packs/case; †50/bag, 10 bags/pack, 8 packs/case
20,000 RCF

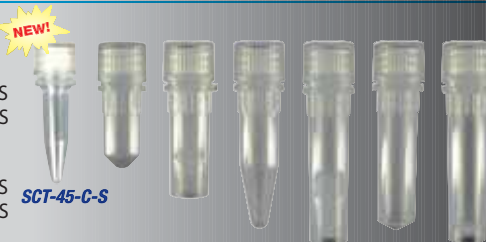


Pre-sterilized

Clear	0.5ml	Conical	Pre-Sterilized‡	SCT-45-C-S
Clear	0.5ml	Conical	Pre-Sterilized‡	SCT-050-C-S
Assorted†	0.5ml	Conical	Pre-Sterilized‡	SCT-050-A-S
Clear	0.5ml	Self Standing	Pre-Sterilized‡	SCT-050-SS-C-S
Assorted†	0.5ml	Self Standing	Pre-Sterilized‡	SCT-050-SS-A-S
Clear	1.5ml	Conical	Pre-Sterilized‡	SCT-150-C-S
Assorted†	1.5ml	Conical	Pre-Sterilized‡	SCT-150-A-S
Clear	1.5ml	Self Standing	Pre-Sterilized‡	SCT-150-SS-C-S
Assorted†	1.5ml	Self Standing	Pre-Sterilized‡	SCT-150-SS-A-S
Clear	2.0ml	Conical	Pre-Sterilized‡	SCT-200-C-S
Assorted†	2.0ml	Conical	Pre-Sterilized‡	SCT-200-A-S
Clear	2.0ml	Self Standing	Pre-Sterilized‡	SCT-200-SS-C-S
Assorted†	2.0ml	Self Standing	Pre-Sterilized‡	SCT-200-SS-A-S

Packaging Description:
Maximum G-force:

500 tubes/pack, 8 packs/case; †50/bag, 10 bags/pack, 8 packs/case
20,000 RCF



SCT-45-C-S

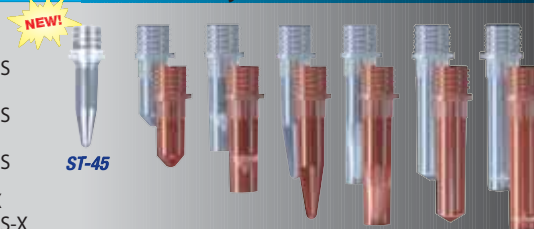
All pre-sterilized screw cap tubes are packaged with non-looped caps attached and include 'O' rings

Tubes only

Clear	0.5ml	Conical	Screw Cap Tubes	ST-45
Clear	0.5ml	Conical	Screw Cap Tubes	ST-050
Clear	0.5ml	Self Standing	Screw Cap Tubes	ST-050-SS
Clear	1.5ml	Conical	Screw Cap Tubes	ST-150
Clear	1.5ml	Self Standing	Screw Cap Tubes	ST-150-SS
Clear	2.0ml	Conical	Screw Cap Tubes	ST-200
Clear	2.0ml	Self Standing	Screw Cap Tubes	ST-200-SS
Amber	0.5ml	Conical	Screw Cap Tubes	ST-050-X
Amber	0.5ml	Self Standing	Screw Cap Tubes	ST-050-SS-X
Amber	1.5ml	Conical	Screw Cap Tubes	ST-150-X
Amber	1.5ml	Self Standing	Screw Cap Tubes	ST-150-SS-X
Amber	2.0ml	Conical	Screw Cap Tubes	ST-200-X
Amber	2.0ml	Self Standing	Screw Cap Tubes	ST-200-SS-X

Packaging Description:
Maximum G-force:

500 tubes/pack, 8 packs/case
20,000 RCF



ST-45

Screw Cap Tubes (Tubes Only)
Amber Screw Cap Tubes (Tubes Only)

* Maximum Recovery Screw Cap Tubes available as special order items. ‡ Individual Colors Available as Special Order Items.
Please call our Customer Service department for more information.



Regular and Looped

Caps without 'O' rings



Cap Color

Clear
Assorted†
Grey
White
Pink
Red
Orange
Yellow
Green
Blue
Violet
Brown

Description

Non-Looped Screw Caps
Non-Looped Screw Caps
Non-Looped Screw Caps
Non-Looped Screw Caps
Non-Looped Screw Caps
Non-Looped Screw Caps
Non-Looped Screw Caps
Non-Looped Screw Caps
Non-Looped Screw Caps
Non-Looped Screw Caps
Non-Looped Screw Caps
Non-Looped Screw Caps
Non-Looped Screw Caps

Oxygen Cat

SC-C
SC-A
SC-GR
SC-W
SC-P
SC-R
SC-O
SC-Y
SC-G
SC-B
SC-V
SC-BR

Looped caps without 'O' rings



Clear
Assorted†
Grey
White
Pink
Red
Orange
Yellow
Green
Blue
Violet
Brown

Looped Screw Caps
Looped Screw Caps
Looped Screw Caps
Looped Screw Caps
Looped Screw Caps
Looped Screw Caps
Looped Screw Caps
Looped Screw Caps
Looped Screw Caps
Looped Screw Caps
Looped Screw Caps
Looped Screw Caps
Looped Screw Caps

SC-LP-C
SC-LP-A
SC-LP-GR
SC-LP-W
SC-LP-P
SC-LP-R
SC-LP-O
SC-LP-Y
SC-LP-G
SC-LP-B
SC-LP-V
SC-LP-BR

Packaging Description:

500 caps/pack, 8 packs/case; †50/bag, 10 bags/pack, 8 packs/case

Caps with 'O' rings



Clear
Assorted†
Grey
White
Pink
Red
Orange
Yellow
Green
Blue
Violet
Brown

Non-Looped Screw Caps with 'O' rings
Non-Looped Screw Caps with 'O' rings
Non-Looped Screw Caps with 'O' rings
Non-Looped Screw Caps with 'O' rings
Non-Looped Screw Caps with 'O' rings
Non-Looped Screw Caps with 'O' rings
Non-Looped Screw Caps with 'O' rings
Non-Looped Screw Caps with 'O' rings
Non-Looped Screw Caps with 'O' rings
Non-Looped Screw Caps with 'O' rings
Non-Looped Screw Caps with 'O' rings
Non-Looped Screw Caps with 'O' rings
Non-Looped Screw Caps with 'O' rings

SCO-C
SCO-A
SCO-GR
SCO-W
SCO-P
SCO-R
SCO-O
SCO-Y
SCO-G
SCO-B
SCO-V
SCO-BR

Packaging Description:

500 caps/pack, 8 packs/case; †50/bag, 10 bags/pack, 8 packs/case

Looped caps with 'O' rings



Clear
Assorted†
Grey
White
Pink
Red
Orange
Yellow
Green
Blue
Violet
Brown

Looped Screw Caps with 'O' rings
Looped Screw Caps with 'O' rings
Looped Screw Caps with 'O' rings
Looped Screw Caps with 'O' rings
Looped Screw Caps with 'O' rings
Looped Screw Caps with 'O' rings
Looped Screw Caps with 'O' rings
Looped Screw Caps with 'O' rings
Looped Screw Caps with 'O' rings
Looped Screw Caps with 'O' rings
Looped Screw Caps with 'O' rings
Looped Screw Caps with 'O' rings
Looped Screw Caps with 'O' rings

SCO-LP-C
SCO-LP-A
SCO-LP-GR
SCO-LP-W
SCO-LP-P
SCO-LP-R
SCO-LP-O
SCO-LP-Y
SCO-LP-G
SCO-LP-B
SCO-LP-V
SCO-LP-BR

Packaging Description:

500 caps/pack, 8 packs/case; †50/bag, 10 bags/pack, 8 packs/case



TUBES

75 //

Centrifuge, Transport and Test Tubes

Centrifuge tubes

- 50ml rated to 12,000g; 15ml to 12,000g
- Available in bulk non-sterile and pre-sterilized formats
- Printed graduations and writing area for sample identification
- Caps can be closed with one hand

Tube Size	Description	Packaging	Axygen Cat #
50ml Conical			
50ml	Conical	500/bag, Bulk	SCT-50ML-500
50ml	Conical, Pre-sterilized	25 rack, 20 racks/case	SCT-50ML-R-S
50ml	Conical, Pre-sterilized	25/bag, 20 bags/case	SCT-50ML-25-S
50ml Self Standing			
50ml	Conical, Self Standing	500/bag, Bulk	SCT-50-SS-500
50ml	Conical, Self Standing	25 rack, 20 racks/case	SCT-50-SS-25
50ml	Conical, Self Standing, Pre-sterilized	25/bag, 20 bags/case	SCT-50-SS-25-S
15ml Conical			
15ml	Conical	500/bag, Bulk	SCT-15ML-500
15ml	Conical, Pre-sterilized	25 rack, 20 racks/case	SCT-15ML-R-S
15ml	Conical, Pre-sterilized	25/bag, 20 bags/case	SCT-15ML-25-S

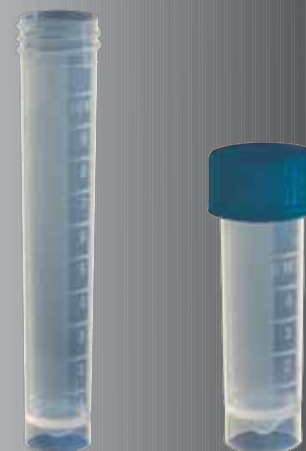


Transport tubes

- Graduated at 1.0ml intervals
- Large frosted writing area
- Secure fit between tube and cap to give leak proof seal

10ml	Tube, Transport	250/bag, 8 bags/case	ST-10ML
10ml	Tube, Transport with cap	1000 tubes & caps/case	SCT-10ML
10ml*	Tube, Transport with cap, Pre-sterilized	25/pack, 20/case	SCT-10ML-S
-	Screw cap for 5ml and 10ml tubes	1000/pack, 2 bags/case	SC-B-510
5ml	Tube, Transport	500/bag, 4 bags/case	ST-5ML
5ml	Tube, Transport with cap	1000 tubes & caps/case	SCT-5ML
5ml*	Tube, Transport with cap, Pre-sterilized	25/pack, 20/case	SCT-5ML-S

*cap attached to tube



Test tubes

- These 12x75mm and 13x100mm polystyrene and polypropylene test tubes are offered in bulk

Polystyrene			
13x100mm	Clear	1000/pack, 1 pack/case	T-13100-PS
12x75mm	Clear	500/pack, 2 pack/case	T-1275-PS
Polypropylene			
13x100mm	Clear	1000/pack, 1 pack/case	T-13100-PP
12x75mm	Clear	500/pack, 2 pack/case	T-1275-PP

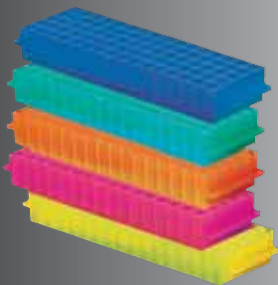


Axy RACKS



1.5ml and 2.0ml Microtube/Screw-cap tube Racks

80-well Axyracks



- Holds eighty 1.5/2.0ml micro and screw cap tubes
- Polypropylene; resistant to most lab chemicals and solvents
- Perfect for cryogenic storage of tubes
- Conical bottom wells allow superior stability of conical tubes
- Each well numbered for ease of sample identification
- Frosted side writing panel
- Available in a variety of fluorescent and non-fluorescent colors

Color

Assorted Fluorescent
Fluorescent Blue
Fluorescent Green
Fluorescent Orange
Fluorescent Red
Fluorescent Pink
Fluorescent Yellow

Product

80-well Rack
80-well Rack
80-well Rack
80-well Rack
80-well Rack
80-well Rack
80-well Rack

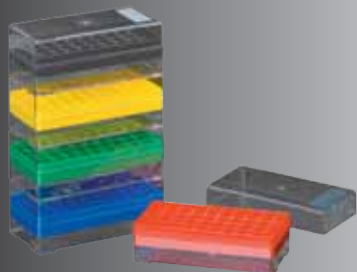
Axygen Cat

R-80-AF
R-80-BF
R-80-GF
R-80-OF
R-80-RF
R-80-PF
R-80-YF

Packaging Description:

25 racks/case

50-well Axyracks



- Holds fifty 2.0/1.5ml micro and screw cap tubes
- polycarbonate; resistant to most lab chemicals and solvents
- Perfect for cryogenic storage to -80°C and below
- Alpha-numeric grid for easy sample identification

Black
Blue
Green
Red
Yellow
Assorted

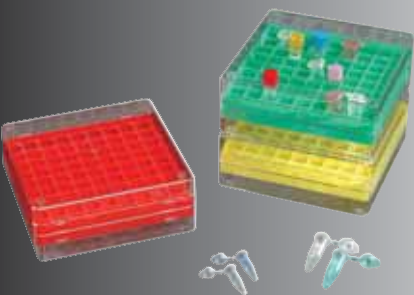
50-well Rack
50-well Rack
50-well Rack
50-well Rack
50-well Rack
50-well Rack

R-50-BK
R-50-B
R-50-G
R-50-R
R-50-Y
R-50-A

Packaging Description:

10 racks/pack, 10 packs/case

81-well Axyracks



- Holds eighty-one 2.0/1.5ml micro and screw cap tubes
- Polycarbonate; resistant to most chemical and organic solvents
- Perfect for cryogenic storage to -80°C and below

Green
Red
Yellow

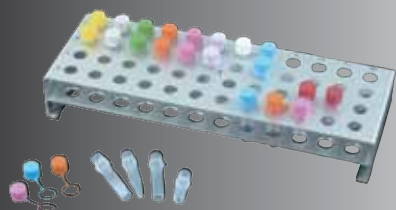
81-well Rack
81-well Rack
81-well Rack

R-81-G-PC
R-81-R-PC
R-81-Y-PC

Packaging Description:

10 racks/case

48-place aluminum Axyracks



- Holds 48 screw cap tubes of all sizes
- Long lasting aluminum construction
- Unique ribbed-port design allows one-hand operation
- Non-skid benchtop pads for a firm platform
- Center support for added strength and stability

Metallic

Anodized Aluminum Rack RA-48

Packaging Description:

4 racks/pack, 4 packs/case

This unique storage rack is made of anodized aluminum and is intended for lab bench work. It features notched holes which 'lock' with Axygen screw cap tubes for one-handed operation.

Screwcap Tube AxyRack

For use with Axygen screw cap microtubes





4-sided Tube Rack

Color	Product	Axygen Cat #	
Assorted	80 Well 4 Sided Tube Rack	R-480-A	<ul style="list-style-type: none"> • Holds up to 4x 50ml, 16x 15ml, 13x100 or 12x75, 32x 2.0ml or 1.5ml, and 32x 0.5ml Tubes. • Assorted pack of Pink, Orange, Yellow, Blue, and Green • Racks that can be positioned on 4-different sides and interlocked to help manage tubes in your lab.
Packaging Description:		5 racks/pack, 4 packs/case	



AxyCap

- Uniquely molded, pliable cap designed to fit standard 10mm, 12mm, 13mm and 16mm glass and plastic test tubes. The AxyCap will seal either over the rim on smaller tubes or into the tube on 16mm tubes.

Color	Description	Packaging	Axygen Cat #
Clear	AxyCap 10-16mm	1000/pack, 10 packs/case	AC-PE-C
Black	AxyCap 10-16mm	1000/pack, 10 packs/case	AC-PE-BK
Blue	AxyCap 10-16mm	1000/pack, 10 packs/case	AC-PE-B
Grey	AxyCap 10-16mm	1000/pack, 10 packs/case	AC-PE-GR
Green	AxyCap 10-16mm	1000/pack, 10 packs/case	AC-PE-G
Lavender	AxyCap 10-16mm	1000/pack, 10 packs/case	AC-PE-L
Red	AxyCap 10-16mm	1000/pack, 10 packs/case	AC-PE-R
Yellow	AxyCap 10-16mm	1000/pack, 10 packs/case	AC-PE-Y



AxySaver

- The Axygen AxySaver Closure is a soft, pliable secondary closure for use with most 12/13mm and 16mm glass and plastic test tubes. The unique blend of plastic used in these caps is piercable and allows for direct tube sampling.

Red	AxySaver Closure 12/13mm	1000/pack, 10 packs/case	AS-13MM-R
Green	AxySaver Closure 12/13mm	1000/pack, 10 packs/case	AS-13MM-G
Lavender	AxySaver Closure 12/13mm	1000/pack, 10 packs/case	AS-13MM-L
Black	AxySaver Closure 12/13mm	1000/pack, 10 packs/case	AS-13MM-BK
Blue	AxySaver Closure 12/13mm	1000/pack, 10 packs/case	AS-13MM-B
Grey	AxySaver Closure 12/13mm	1000/pack, 10 packs/case	AS-13MM-GR
Yellow	AxySaver Closure 12/13mm	1000/pack, 10 packs/case	AS-13MM-Y
White	AxySaver Closure 12/13mm	1000/pack, 10 packs/case	AS-13MM-W
Red	AxySaver Closure 16mm	1000/pack, 10 packs/case	AS-16MM-R
Green	AxySaver Closure 16mm	1000/pack, 10 packs/case	AS-16MM-G
Lavender	AxySaver Closure 16mm	1000/pack, 10 packs/case	AS-16MM-L
Black	AxySaver Closure 16mm	1000/pack, 10 packs/case	AS-16MM-BK
Blue	AxySaver Closure 16mm	1000/pack, 10 packs/case	AS-16MM-B
Grey	AxySaver Closure 16mm	1000/pack, 10 packs/case	AS-16MM-GR
Yellow	AxySaver Closure 16mm	1000/pack, 10 packs/case	AS-16MM-Y
White	AxySaver Closure 16mm	1000/pack, 10 packs/case	AS-16MM-W



Thermoplastics

CHEMICAL &

Resistance rating on a scale from A (excellent) to D (poor)

Chemical	% Conc.	Resistance at 20°C	Resistance at 60°C	Chemical	% Conc.	Resistance at 20°C	Resistance at 60°C
Acetic acid (glacial)	97	A	B	Dimethyl acetamide	100	A	A
Acetic anhydride		B	B	Dimethylsulfoxide (DMSO)		A	A
Acetaldehyde		B	D	Ethyl acetate		B	C
Acetone	100	A	B	Ethyl alcohol	96	A	B
Acetonitrile		C	D	Ethyl benzene	40	C	D
Acetophenone	100	B	B	Ethyl chloride		B	D
Adipic acid		A	A	Ethylene chloride		C	D
Aluminum chloride		A	A	Ethylene dichloride		B	C
Ammonia (aqueous)	30	A	A	Ethylene glycol	100	B	N/A
Ammonium acetate	satd.	A	A	Formaldehyde	40	A	A
Ammonium carbonate	satd.	A	A	Formic acid	100	A	B
Ammonium chloride	satd.	A	A	Glutaraldehyde	20	A	A
Ammonium fluoride	20	A	A	Hexane		C	C
Ammonium hydroxide	10	A	A	Hydrobromic acid		D	D
Ammonium nitrate	satd.	A	A	Hydrochloric acid	50	B	C
Ammonium sulfate	satd.	A	A	Hydrofluoric acid	40	A	B
Ammonium sulfide	satd.	A	A	Hydrogen peroxide	10	A	A
Amyl acetate	100	C	D	Hydrogen sulfide	3	A	A
Amyl alcohol	100	A	B	Lactic acid		B	C
Amyl chloride	100	D	D	Magnesium chloride	satd.	A	A
Aniline	100	B	B	Magnesium sulfate	satd.	A	A
Aromatic hydrocarbons		D	D	Methyl acetate		D	D
Benzaldehyde		D	D	Methyl alcohol	10	B	C
Benzene		D	D	Methylene chloride	100	D	D
Benzoic acid	100	B	C	Methyl ethyl ketone	100	D	D
Benzl acetate	satd.	A	B	Methyl propyl ketone		B	C
Benzyl alcohol		A	A	Nitric acid	satd.	D	D
Boric acid		A	A	Nitrobenzene		B	C
Bromobenzene		C	D	Perchloroethylene		D	D
Butadiene		C	D	Phenol	95+	B	D
Butyl acetate		C	D	Phosphoric acid	100	C	D
Butyl alcohol	100	C	D	Potassium bromide		A	B
Butyric acid		C	D	Potassium chloride	satd.	A	A
Calcium chloride	satd.	A	A	Potassium fluoride	satd.	A	A
Calcium hypochlorite bleach		A	A	Potassium hydroxide		A	A
Carbon disulfide		A	A	Propionic acid		A	B
Carbon Tetrachloride		D	D	Propyl alcohol		A	B
Carbonic acid	100	C	D	Propylene glycol		A	A
Chloroacetic acid	100	D	D	Silicone oil		A	A
Chlorobenzene		C	D	Sodium acetate	100	A	A
Chloroform	100	D	D	Sodium carbonate	satd.	A	A
Chlorosulfonic acid	100	C	D	Sodium chloride		A	A
Chromic acid	50	D	D	Sodium hydroxide	satd.	A	A
Citric acid		D	D	Sodium hypochlorite	satd.	B	B
Cyclohexane	satd.	D	D	Sulfuric acid	satd.	C	D
Cyclohexanol		C	D	Sulfuric acid	98	C	D
Decalin		C	D	Tetralin	10	C	D
Detergents		A	A	Toluene	100	C	C
Dibutyl phthalate		A	B	Trichloroethane	100	B	C
Dichlorobenzene		C	D	Triethylene glycol		D	D
Dichloroethylene		D	D	Trifluoroacetic acid (TFA) 20%		B	C
Diethyl benzene	100	C	D	Xylene	100	C	D
Diethyl ether		B	C	Zinc chloride		A	A
Diethylene glycol		B	D	Zinc sulfate		A	A

The above chemical resistance chart is meant to be used as a guide only. As temperature, exposure time and functional conditions affect resistance and can vary for each application, Axygen Scientific highly recommends users to evaluate products under their own conditions prior to use. Axygen does not warrant (neither expressed or implied) that the information in this chart is accurate or that any material is suitable for any purpose.



PHYSICAL PROPERTIES

Maximum RCF (G-force)

PCR Tubes
PCR-02, PCR-02D, PCR-05,
PCR-0208

4,000 RCF

PCR Plates
PCR-24, PCR-32, PCR-48, PCR-96, PCR-96-MB,
PCR-96-FLT, PCR-96-LP-FLT, PCR-96-SG,
PCR-96-AB, PCR-96-LP-AB, PCR-96M2-HS,
PCR-96-FS, PCR-384, PCR-384M2,
PCR-384-RGD, PCR-384-55

4,000 RCF

Assay & Deep well Plates
P-384-120SQ, P-384-240SQ, P-DW-11,
P-DW-20, P-DW-500, P-2ML-SQ, P-5ML-48,
P-96-450R, P-96-450V

4,000 RCF

Microcentrifuge Tubes
MCT-060, MCT-175,
MCT-150, MCT-200

14,000*- 20,000 RCF

Screw Cap Tubes
SCT-050, SCT-050-SS, SCT-150,
SCT-150-SS, SCT-200, SCT-200-SS,
SCT-45

20,000 RCF

Products filled with distilled water and spun at 20°C for 20 minutes with properly supportive rotor inserts. Your results may vary depending on sample type and volume.

* These products are rated to 14,000 RCF with phenol/chloroform

RPM vs. RCF “What’s the Difference?”

RPM – stands for “Revolutions Per Minute” and is the speed that your rotor spins in your centrifuge. RPM is specific to individual centrifuge brands and rotor sizes.

RCF – stands for “Relative Centrifugal Force” and is better known as g-force. This indicates the actual force resulting from the spinning action in the centrifuge. It is g-force that drives sample separation.

The following equation can be used to convert RPM to RCF for any model centrifuge.

RCF = 0.00001118 x radius of rotation (cm) x RPM²

Note: radius of rotation is given by the distance of the furthest most point of the tube from the axis of rotation. Please refer to your centrifuge user guide for radius value.

AUTOCLAVING GUIDELINE for Plastics

To ensure successful steam sterilization of your plastic labware please adhere to the following guideline: Autoclave all plastic consumables at 121°C for 15 minutes, 15psi/1 atm. Do not use a dry cycle as this may cause deformation or weakening of the plastic. Allow temperature within the autoclave to return to at least 80°C before removing product.

NOT ALL PRODUCTS ARE AUTOCLAVABLE

LIGHT BLOCKING ABILITY OF Axygen Amber Microtubes

A comparison between the light blocking ability of Axygen’s amber microtubes and an industry competitor’s. Sample tubes were split in half lengthwise to obtain suitable surface area and then placed in a spectrophotometer. Various wavelengths of light were shown through the samples and % transmission of light determined.

Wavelength (nm)	Axygen Amber Microtubes	Competitor Amber Microtubes
1000nm	25.71	90.16
800nm	17.87	83.71
600nm	1.66	48.97
400nm	0.80	44.70
310nm	0.21	42.57

Testing shows significant light blocking ability of the Axygen amber microtubes, thus providing excellent protection for light sensitive samples.

Product FINDER



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AC-PE-B	77	BT-20-R	31	FXF-384-L-R-S	35	MTF-200-L-R-S	36	PCR-02D-O	58	P-DW-11-C	45
AC-PE-BK	77	BT-20-R-S	31	FXF-384-R-S	35	MTF-200-R-S	36	PCR-02D-R	58	P-DW-11-C	64
AC-PE-C	77	BT-250-L-R	31	FXF-384-XL-L-R-S	35	MTF-50-L-R-S	36	PCR-02D-SP	59	P-DW-11-C	65
AC-PE-G	77	BT-250-L-R-S	31	FXF-384-XL-R-S	35	MTF-50-R-S	36	PCR-02D-V	58	P-DW-11-C-S	45
AC-PE-GR	77	BT-250-R	31	FXF-50-L-R-S	32	MTS-06-C	49	PCR-02D-Y	58	P-DW-20-C	45
AC-PE-L	77	BT-250-R-S	31	FXF-50-R-S	32	MTS-06-C-R	49	PCR-02-FPC-C	59	P-DW-20-C	64
AC-PE-R	77	BT-50-L-R	31	IT-EP-R	67	MTS-06-C-R-S	49	PCR-02-G	58	P-DW-20-C	65
AC-PE-Y	77	BT-50-L-R-S	31	LT-384-R	39	MTS-11-12-C	49	PCR-02-L-C	58	P-DW-20-C-S	45
AM-2ML-RD	45	BT-50-R	31	LT-384-R-S	39	MTS-11-12-C-R	49	PCR-02-NC	58	P-DW-500-C	45
AM-2ML-RD	46	BT-50-R-S	31	MCT-060-A	70	MTS-11-12-C-R-S	49	PCR-02-O	58	P-DW-500-C	64
AM-2ML-RD	64	BTF-1000-R-S	31	MCT-060-B	70	MTS-11-8-C	49	PCR-02-R	58	P-DW-500-C-S	45
AM-2ML-RD-IMP	45	BTF-180-L-R-S	31	MCT-060-C	70	MTS-11-8-C-R	49	PCR-02-SP	59	PK-200-L-R	37
AM-2ML-RD-IMP	46	BTF-180-R-S	31	MCT-060-C-S	71	MTS-11-8-C-R-S	49	PCR-02-V	58	PK-200-L-R-S	37
AM-2ML-RD-IMP	65	BTF-20-L-R-S	31	MCT-060-G	70	MTS-11-C	49	PCR-02-Y	58	PK-200-R	37
AM-2ML-SQ	45	BTF-20-R-S	31	MCT-060-L-C	71	MTS-11-C-R	49	PCR-05-A	58	PK-200-R-S	37
AM-2ML-SQ	64	CM-96-EXP	57	MCT-060-O	70	MTS-11-C-R-S	49	PCR-05-B	58	PK-205-WB-R	37
AM-2ML-SQ-IMP	45	CM-96-EXP	65	MCT-060-R	70	MTS-12CP-C	49	PCR-05-C	58	PK-205-WB-R-S	37
AM-2ML-SQ-IMP	65	CM-96-RD	57	MCT-060-SP	71	MTS-12CP-C-S	49	PCR-05-G	58	PK-20-L-R	37
AM-384-DW-SQ	44	CM-96-RD	65	MCT-060-V	70	MTS-8CP-C	49	PCR-05-O	58	PK-20-L-R-S	37
AM-384-DW-SQ	64	CM-FLAT	57	MCT-060-X	70	MTS-8CP-C-S	49	PCR-05-R	58	PK-20-R	37
AM-384-PCR-RD	44	CM-FLAT	65	MCT-060-Y	70	MTX-1250-C	13	PCR-05-V	58	PK-20-R-S	37
AM-384-PCR-RD	55	EV-100-R	28	MCT-150-A	70	MTX-1250-C-L	13	PCR-05-Y	58	PK-384-R	37
AM-384-PCR-RD	56	EV-100-R-S	28	MCT-150-B	70	MTX-1250-C-L-R	13	PCR-24-C	57	PK-384-R-S	37
AM-384-PCR-RD	64	EV-200-R	28	MCT-150-C	70	MTX-1250-C-L-R-S	13	PCR-2CP-RT-C	59	PK-50-L-R	37
AM-384-PCR-RV	44	EV-200-R-S	28	MCT-150-C-S	71	MTX-1250-C-R	13	PCR-32-C	57	PK-50-L-R-S	37
AM-384-PCR-RV	55	EV-50-R	28	MCT-150-G	70	MTX-1250-C-R-S	13	PCR-384-55-C	56	PK-50-R	37
AM-384-PCR-RV	56	EV-50-R-S	28	MCT-150-L-C	71	MTXF-1250-C-L-R-S	18	PCR-384-55-C	64	PK-50-R-S	37
AM-384-PCR-RV	64	EVF-100-R-S	28	MCT-150-NC	71	MTXF-1250-C-R-S	18	PCR-384-C	55	PKF-180-L-R-S	37
AM-384-SQ-IMP	44	EVF-180-R-S	28	MCT-150-O	70	P-2ML-SQ-C	45	PCR-384-C	64	PKF-180-R-S	37
AM-384-SQ-IMP	65	EVF-50-R-S	28	MCT-150-R	70	P-2ML-SQ-C	64	PCR-384M2-C	55	PKF-205-WB-R-S	37
AM-48-IMP	46	FPT-384-R	14	MCT-150-SP	71	P-2ML-SQ-C	65	PCR-384M2-C	64	PKF-20-L-R-S	37
AM-48-IMP	65	FPT-384-R-S	14	MCT-150-V	70	P-2ML-SQ-C-S	45	PCR-384-RGD-C	44	PKF-20-R-S	37
AM-500UL-RD	45	FX-10-R	32	MCT-150-X	70	P-384-120SQ-C	44	PCR-384-RGD-C	56	PKF-30-L-R-S	37
AM-500UL-RD	64	FX-10-R-S	32	MCT-150-Y	70	P-384-120SQ-C	64	PCR-384-RGD-C	64	PKF-30-R-S	37
AM-750UL-RD	64	FX-1536-30FP-R	34	MCT-175-A	70	P-384-120SQ-C	65	PCR-48-C	57	R-480-A	77
AM-96-PCR-RD	52	FX-1536-30FP-R-S	34	MCT-175-B	70	P-384-240SQ-C	44	PCR-96-AB-C	54	R-50-A	76
AM-96-PCR-RD	53	FX-20-L-R	32	MCT-175-C	70	P-384-240SQ-C	64	PCR-96-AB-C	64	R-50-B	76
AM-96-PCR-RD	54	FX-20-L-R-S	32	MCT-175-C-S	71	P-384-240SQ-C	65	PCR-96-C	52	R-50-BK	76
AM-96-PCR-RD	55	FX-20-R	32	MCT-175-G	70	P-5ML-48-C	46	PCR-96-C	64	R-50-G	76
AM-96-PCR-RD	64	FX-20-R-S	32	MCT-175-L-C	71	P-5ML-48-C	65	PCR-96-FLT-BK	52	R-50-R	76
AM-96-SEPTA-3100	57	FX-250-L-R	32	MCT-175-O	70	P-5ML-48-C-S	46	PCR-96-FLT-C	52	R-50-Y	76
AM-SEPTA-310	57	FX-250-L-R-S	32	MCT-175-R	70	P-96-450R-C	46	PCR-96-FLT-C	64	R-80-AF	76
AP-16	14	FX-250-R	32	MCT-175-SP	71	P-96-450R-C	64	PCR-96-FLT-W	52	R-80-BF	76
AP-16-2	14	FX-250-R-S	32	MCT-175-V	70	P-96-450R-C	65	PCR-96-FS-C	55	R-80-BK	76
AP-16-50	14	FX-255-WB-R	32	MCT-175-X	70	P-96-450R-C-S	46	PCR-96-FS-C	64	R-80-GF	76
AS-13MM-B	77	FX-255-WB-R-S	32	MCT-175-Y	70	P-96-450V-C	64	PCR-96-LP-AB-BK	54	R-80-OF	76
AS-13MM-BK	77	FX-384-30FP-R	35	MCT-200-A	70	P-96-450V-C	46	PCR-96-LP-AB-C	54	R-80-PF	76
AS-13MM-G	77	FX-384-30FP-R-S	35	MCT-200-B	70	P-96-450V-C	65	PCR-96-LP-AB-C	64	R-80-RF	76
AS-13MM-GR	77	FX-384-L-R	34	MCT-200-C	70	P-96-450V-C-S	46	PCR-96-LP-AB-W	54	R-80-YF	76
AS-13MM-L	77	FX-384-L-R-S	34	MCT-200-C-S	71	P-ADAPTER-1	46	PCR-96-LP-FLT-BK	53	R-81-G-PC	76
AS-13MM-R	77	FX-384-R	34	MCT-200-G	70	PC-1000-B-R	8	PCR-96-LP-FLT-C	53	R-81-R-PC	76
AS-13MM-W	77	FX-384-R-S	34	MCT-200-L-C	71	PC-200-Y-R	8	PCR-96-LP-FLT-C	64	R-81-Y-PC	76
AS-13MM-Y	77	FX-384-XL-L-R	35	MCT-200-NC	71	PC-300-C-R	8	PCR-96-LP-FLT-W	53	R-96-PCR-FB	59
AS-16MM-B	77	FX-384-XL-L-R-S	35	MCT-200-O	70	PC-350-C-R	8	PCR-96M2-HS-C	54	R-96-PCR-FG	59
AS-16MM-BK	77	FX-384-XL-R	35	MCT-200-R	70	PC-400-C-R	8	PCR-96M2-HS-C	64	R-96-PCR-FO	59
AS-16MM-G	77	FX-384-XL-R-S	35	MCT-200-SP	71	PCR-0208-C	59	PCR-96-MB-C	52	R-96-PCR-FP	59
AS-16MM-GR	77	FX-50-L-R	32	MCT-200-V	70	PCR-0208-CP-C	59	PCR-96-MB-C	64	R-96-PCR-FSP	59
AS-16MM-L	77	FX-50-L-R-S	32	MCT-200-X	70	PCR-0208-FCP-C	59	PCR-96-SG-C	53	R-96-PCR-FY	59
AS-16MM-R	77	FX-50-R	32	MCT-200-Y	70	PCR-02-A	58	PCR-96-SG-C	64	RA-48	76
AS-16MM-W	77	FX-50-R-S	32	MF-111	67	PCR-02-B	58	PCR-AS-200	66	RES-MW12-HP	47
AS-16MM-Y	77	FXF-10-R-S	32	MF-300	67	PCR-02-C	58	PCR-AS-600	66	RES-MW12-LP	47
BF-400	66	FXF-165-WB-R-S	32	MT-200-L-R	36	PCR-02CP-C	59	PCR-SP	66	RES-MW8-HP	47
BF-400-S	66	FXF-180-L-R-S	32	MT-200-L-R-S	36	PCR-02D-A	58	PCR-SP-ROLLER	67	RES-MW8-LP	47
BT-1000-R	31	FXF-180-R-S	32	MT-200-R	36	PCR-02D-B	58	PCR-SP-S	66	RES-SW12-HP	48
BT-1000-R-S	31	FXF-20-L-R-S	32	MT-200-R-S	36	PCR-02D-C	58	PCR-TS	66	RES-SW1-LP	48
BT-20-L-R	31	FXF-20-R-S	32	MT-50-L-R	36	PCR-02D-G	58	PCR-TS-900	66	RES-SW384-HP	48
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RES-SW8-HP	48	SCT-050-A-S	73	SCT-200-GR	73	T-1005-WB-C	13	TE-1004-B-R	13	TT-1000-C-HTR-S	29
RES-SW96-HP	48	SCT-050-B	72	SCT-200-O	73	T-1005-WB-C-L	13	TE-1004-B-R-S	13	TT-200-CBK-HTR	29
RES-SW96-LP	48	SCT-050-BR	72	SCT-200-P	73	T-1005-WB-C-L-R	13	TE-204-Y	11	TT-200-CBK-HTR-36	29
RFL-1200-C	9	SCT-050-C	72	SCT-200-R	73	T-1005-WB-C-L-R-S	13	TE-204-Y-L	11	TT-200-CBK-HTR-S	29
RFL-222-C	9	SCT-050-C-S	73	SCT-200-SS-A	73	T-1005-WB-C-R	13	TE-204-Y-L-R	11	TT-200-C-HTR	29
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RFL-R	9	SCT-050-GR	72	SCT-200-SS-B	73	T-10ML-C	15	TE-204-Y-R	11	TT-20-CBK-HTR	29
RFL-R-1200	9	SCT-050-O	72	SCT-200-SS-BR	73	T-1200-C	13	TE-204-Y-R-S	11	TT-20-CBK-HTR-36	29
RMT-200-C-R	36	SCT-050-P	72	SCT-200-SS-C	73	T-1200-C-R	13	TF-100	17	TT-20-CBK-HTR-S	29
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RRF-175-CBK-R-S	30	SCT-050-SS-A	72	SCT-200-SS-G	73	T-1275-PP	75	TF-1000-L-R-S	18	TT-20-C-HTR-S	29
RRF-175-C-R-S	30	SCT-050-SS-A-S	73	SCT-200-SS-GR	73	T-1275-PS	75	TF-1000-R-S	18	TT-50-CBK-HTR	29
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RRF-25-C-R-S	30	SCT-050-SS-BR	72	SCT-200-SS-P	73	T-13100-PS	75	TF-1005-WB-R-S	18	TT-50-CBK-HTR-S	29
RRP-200-CBK-R	30	SCT-050-SS-C	72	SCT-200-SS-R	73	T-1536-L-R	14	TF-100-L-R-S	17	TT-50-C-HTR	29
RRP-200-C-R	30	SCT-050-SS-C-S	73	SCT-200-SS-V	73	T-1536-L-R-S	14	TF-100-R-S	17	TTF-200-C-HTR-S	29
RRP-20-CBK-R	30	SCT-050-SS-G	72	SCT-200-SS-W	73	T-1536-R	14	TF-1200-C-L-R-S	18	TTF-1000-CBK-HTR-S	29
RRP-20-C-R	30	SCT-050-SS-GR	72	SCT-200-SS-Y	73	T-1536-R-S	14	TF-1200-C-R-S	18	TTF-1000-C-HTR-S	29
RRP-50-CBK-R	30	SCT-050-SS-O	72	SCT-200-V	73	T-200-C	11	TF-150-L-R-S	17	TTF-200-CBK-HTR-S	29
RRP-50-C-R	30	SCT-050-SS-P	72	SCT-200-W	73	T-200-C-L	11	TF-150-R-S	17	TTF-200-C-HTR-S	29
SC-A	74	SCT-050-SS-R	72	SCT-200-Y	73	T-200-C-L-R	11	TF-20	17	TTF-20-CBK-HTR-S	29
SC-B	74	SCT-050-SS-V	72	SCT-45-C	72	T-200-C-L-R-S	11	TF-200	17	TTF-20-C-HTR-S	29
SC-B-510	75	SCT-050-SS-W	72	SCT-45-C-S	73	T-200-C-R	11	TF-200-L-R-S	17	TTF-50-CBK-HTR-S	29
SC-BR	74	SCT-050-SS-Y	72	SCT-50ML-25-S	75	T-200-C-R-S	11	TF-200-R-S	17	TTF-50-C-HTR-S	29
SC-C	74	SCT-050-V	72	SCT-50ML-500	75	T-200-C-STK	11	TF-205-WB-L-R-S	17	TUB-310-NC	57
SC-G	74	SCT-050-W	72	SCT-50ML-R-S	75	T-200-Y	11	TF-205-WB-R-S	17	TWP-200-R	39
SC-GR	74	SCT-050-Y	72	SCT-50-SS-25	75	T-200-Y-R	11	TF-20-L-R-S	17	TWP-200-R-S	39
SC-LP-A	74	SCT-10ML	75	SCT-50-SS-25-S	75	T-200-Y-R-S	11	TF-20-R-S	17	TWPF-120-R-S	39
SC-LP-B	74	SCT-10ML-S	75	SCT-50-SS-500	75	T-200-Y-STK	11	TF-300	16	TXL-10	10
SC-LP-BR	74	SCT-150-A	72	SCT-5ML	75	T-205-WB-C	12	TF-300-L-R-S	16	TXL-10-L	10
SC-LP-C	74	SCT-150-A-S	73	SCT-5ML-S	75	T-205-WB-C-L	12	TF-300-R-S	16	TXL-10-L-R	10
SC-LP-G	74	SCT-150-B	72	SC-V	74	T-205-WB-C-L-R	12	TF-350	18	TXL-10-L-R-S	10
SC-LP-GR	74	SCT-150-BR	72	SC-W	74	T-205-WB-C-L-R-S	12	TF-350-L-R-S	18	TXL-10-R	10
SC-LP-O	74	SCT-150-C	72	SC-Y	74	T-205-WB-C-R	12	TF-350-R-S	18	TXL-10-R-S	10
SC-LP-P	74	SCT-150-C-S	73	SPN-20-CBK-R	33	T-205-WB-C-R-S	12	TF-384-30-L-R-S	14	TXLF-10	16
SC-LP-R	74	SCT-150-G	72	SPN-20-CBK-R-S	33	T-210-C	11	TF-384-30-R-S	14	TXLF-10-L-R-S	16
SC-LP-V	74	SCT-150-GR	72	SPN-250-CBK-R	33	T-210-C-R	11	TF-400	16	TXLF-10-R-S	16
SC-LP-W	74	SCT-150-O	72	SPN-250-CBK-R-S	33	T-210-C-R-S	11	TF-400-L-R-S	16	UC-500	57
SC-LP-Y	74	SCT-150-P	72	SPN-50-CBK-R	33	T-210-Y	11	TF-400-R-S	16	UC-500	66
SC-O	74	SCT-150-R	72	SPN-50-CBK-R-S	33	T-300	10	TF-420-L-R-S	16	ZT-100-L-R	38
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Minimum Orders

There is a minimum order for all orders placed in the United States and Canada of \$500 (USD). The minimum order for all other countries is \$3000 (USD). Minimum orders for all individual items is "one" case.

Terms

For customers with approved credit, terms of sale are; 1% discount for payment within 10 days of invoice date or net invoice due in 30 days. For delinquent accounts, a monthly charge of 1.5% of the outstanding balance shall apply.

Ordering and Technical Information

All orders and inquiries should be made with our California facility by phone +1 (510) 494-8900 or by fax +1 (510) 494-0700 or via e-mail: sales@axygen.com.

Shipments

All orders placed with Axygen are shipped ex-works Union City, California USA.

Returns

Product returns are accepted only by prior authorization. Unauthorized returns will be sent back to sender. Please contact Axygen Customer Service for forwarding instructions. We do not accept product returns from shipments which were made more than 90 days prior to the request date (120 days for international shipments). A 20% restocking fee may apply to return requests.

Freight Claims

Shipments always leave our warehouse in good condition. If a carton is received which is in poor condition, it should be refused or be noted on the Bill of Lading at the time of delivery. Also, if a carton is missing, it should be noted on the Bill of Lading. It is your responsibility to file any freight claims with the carrier usually within 10 days of delivery and to collect from the carrier any money owed.

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Each and every lot of product, regardless of packaging format, both sterile and non-sterile, is tested and certified by Axygen's modern microbiology laboratory. Completely equipped with the latest instruments and technology from the most trusted manufacturers, this facility, was the first of its kind in our industry. This experience, combined with an uncompromising commitment to quality, ensures that Axygen applies the most stringent testing standards to certify products to be safe from RNase, DNase, endotoxin (pyrogens), heavy metals and extractables.

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Plate Volume Reference Table

Plate	Volume to Brim of Well	Working Volume	Volume with Axyamat	Volume with VR Axyamat	Volume to Brim = maximum volume of fluid that can be placed in each well without spilling out.
PCR-384-C	50µl	40µl	30µl	6.5µl	Working Volume = the comfortable working volume of each well of the plate.
PCR-384M2-C	55µl	50µl	40µl	6.5µl	
PCR-384-RGD-C	50µl	49.5µl	30µl	6.5µl	
PCR-384-55-C	55µl	50µl	45µl	10.5µl	
PCR-96-C	340µl	300µl	250µl	-	Volume with (VR) Axyamat = the volume that can be placed in each well, without fluid touching the corresponding Axyamat when sealed.
PCR-96-MB-C	340µl	300µl	250µl	-	
PCR-96-FLT-C	340µl	300µl	220µl	-	
PCR-96-LP-FLT-C	220µl	200µl	106µl	-	
PCR-96-SG-C	320µl	280µl	240µl	-	
PCR-96-AB-C	335µl	300µl	260µl	-	
PCR-96-LP-AB-C	240µl	200µl	140µl	-	
PCR-96M2-HS-C	340µl	300µl	240µl	-	
PCR-96-FS-C	240µl	200µl	140µl	-	
P-384-120SQ	130µl	120µl	90µl	-	
P-384-240SQ	250µl	240µl	210µl	-	
P-96-450R-C	550µl	500µl	350µl	-	
P-96-450V-C	520µl	480µl	300µl	-	
P-DW-500	620µl	560µl	440µl	-	
P-DW-11	1.17ml	1.09ml	1.01ml	-	
P-DW-20	1.74ml	1.64ml	1.56ml	-	
P-DW-20-SQ	2.39ml	2.20ml	2.04ml	-	
P-5ML-48-C	4.9ml	4.6ml	4.0ml	-	

Unit Conversion Reference Table

Unit	Symbol	Equivalent
nanoliter	nl	1 nl = 10 ⁻⁹ L
microliter	µl	1 µl = 10 ⁻⁶ L
milliliter	ml	1 ml = 10 ⁻³ L
picogram	pg	1 pg = 10 ⁻¹² g
nanogram	ng	1 ng = 10 ⁻⁹ g
microgram	µg	1 µg = 10 ⁻⁶ g
milligram	mg	1 mg = 10 ⁻³ g
kilogram	kg	1 kg = 10 ³ g

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