

# Axygen® Product Selection Guide

**AXYGEN**®

*A Corning Brand*



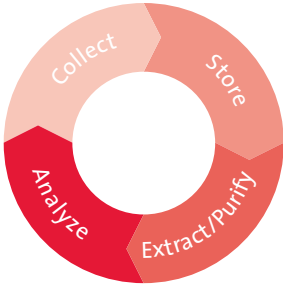
# Table of Contents

<b>Automation Tips</b> .....	<b>2</b>	<b>Sealing Solutions</b> .....	<b>52</b>
Overview – Automation Tips .....	3	Overview – Sealing Solutions .....	53
Aurora Biomed .....	5	Axygen AxyMat Sealing Mats .....	54
Agilent .....	6	Axygen ImpermaMat Sealing Mats .....	55
Agilent BioTek .....	7	Sealing Films .....	56
Beckman Coulter .....	8	Axygen PlateMax™ Heat Sealing Films .....	57
Corbett .....	10	Axygen PlateMax Heat Sealing Films, Rolls .....	58
Dynamic Devices .....	11	Sealing Film Roller .....	58
Hamamatsu .....	12	<b>Microcentrifuge Tubes</b> .....	<b>59</b>
Hamilton .....	13	Overview – Microcentrifuge Tubes .....	60
Molecular Devices .....	16	Axygen SnapLock Microcentrifuge Tubes .....	62
PerkinElmer .....	17	5 mL SnapLock Microcentrifuge Tubes .....	63
Qiagen .....	18	Tissue Grinder .....	63
Tecan .....	19	Screw Cap Microcentrifuge Tubes .....	64
Axygen® Automation Reservoirs .....	23	Conical Centrifuge Tubes .....	65
<b>Pipet Tips</b> .....	<b>24</b>	Transport Tubes .....	65
Overview – Pipet Tips .....	25	<b>Sample Prep Solutions</b>	
Tip Refill System .....	27	<b>for Genomics</b> .....	<b>66</b>
Microvolume Tips .....	27	Overview – Sample Prep Solutions for Genomics .....	67
Universal Fit Tips .....	28	Axygen AxyPrep MAG Tissue-Blood gDNA Kit .....	68
Aerosol Barrier Tips .....	30	Axygen AxyPrep MAG Plasmid Kit .....	69
Macrovolume Tips .....	31	Axygen AxyPrep MAG Plant Genomic DNA Extraction Kit ..	70
Gel Loading Tips .....	32	Axygen AxyPrep MAG PCR Clean-up Kit .....	71
Gel Cutting Tips .....	32	Axygen AxyPrep MAG PCR Normalizer Kit .....	72
Axygen Disposable Reagent Reservoirs .....	33	Axygen AxyPrep MAG FragmentSelect-I Kit .....	73
<b>PCR Consumables</b> .....	<b>34</b>	Axygen AxyPrep MAG DyeClean Up Kit .....	74
Overview – PCR Consumables .....	35	Axygen® AxyPrep MAG Kit Compatibility Chart .....	75
Automation-compatible PCR Microplates .....	36	Axygen IMAG™ Handheld Magnetic Beads Separation	
96-well PCR Microplates and Sealing Mats .....	36	Devices .....	75
384-well PCR Microplates and Sealing Mats .....	39	<b>Axygen® Equipment</b> .....	<b>76</b>
24-, 32-, and 48-well PCR Plates .....	41	Axygen Gel Documentation Systems .....	77
Capillary Sequencing Products .....	41	Axygen Horizontal Gel Boxes .....	80
PCR Tubes .....	41	Axygen Power Supplies .....	83
PCR Tube Storage Rack .....	41	Axygen MaxyGene II Thermal Cyclers .....	85
PCR Strip Tubes and Caps .....	42	Axygen PlateMax Semi-automatic Plate Sealers .....	87
PCR Microplates Compatibility Charts .....	43	Axygen Axyspin Refrigerated Microcentrifuges .....	89
<b>Storage</b> .....	<b>46</b>	Axygen Axyspin Mini Plate Spinner Centrifuges .....	90
Overview – Storage .....	47	Axygen Axypet® Pro Single- and Multi-channel Pipettors ..	91
Assay Plates and Deep Well Microplates .....	48	Axygen Axypet Single- and Multi-channel Pipettors .....	92
Compound Library Storage – Mini Tube System (MTS) .....	50	Axygen MotoPet™ Pipet Controller .....	94
Microcentrifuge Tube Storage Boxes .....	51		
Microcentrifuge Tube Support Rack .....	51		

## Product Ordering Information

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# Beginning-to-end Solutions for Genomics



In our continuous efforts to improve efficiencies and develop new tools and technologies for life science researchers, we have scientists working in Corning R&D labs doing what you do every day, across the globe. From collection to analysis, our technical experts understand your challenges and your need for simplified, efficient, low to high throughput genomics processes.

A combination of global manufacturing expertise, extensive use of in-house automation and a thorough understanding of your processes enables Corning to offer a beginning-to-end portfolio of high quality, reliable consumables and reagents for genomics applications.





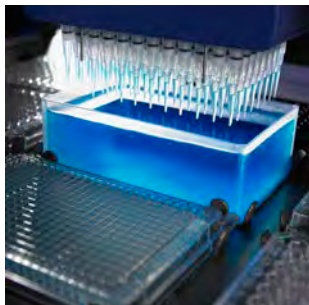
# Automation Tips

Overview – Automation Tips . . . . .	3
Aurora Biomed . . . . .	5
Agilent . . . . .	6
Agilent BioTek . . . . .	7
Beckman Coulter . . . . .	8
Corbett . . . . .	10
Dynamic Devices . . . . .	11
Hamilton . . . . .	13
Molecular Devices . . . . .	16
PerkinElmer . . . . .	17
Tecan . . . . .	19
Axygen® Automation Reservoirs. . . . .	23

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# Overview – Automation Tips



Axygen® automation tips are manufactured to meet precise specifications required for accurate sample delivery in automated applications. Our tips are manufactured using high quality molds coupled with Corning process controls, ensuring complete compatibility and consistent fit. These tips are manufactured using automation to ensure tips are free from contamination and defects that may be caused by hand racking.

- ▶ Wide product offering combined with in-house engineering expertise guarantees optimum workstation performance
- ▶ Complete control of manufacturing process with comprehensive QA and QC testing processes ensures defects are eliminated
- ▶ Optimized fine point for accurate dispensing
- ▶ Filter barrier prevents aerosol and liquid contamination
- ▶ “Plug and Play” – no software or hardware changes needed
- ▶ Color-coded racks for easy identification of tip size
- ▶ ANSI/SLAS footprint rack dimensions for precise fit on the deck (except where noted)
- ▶ Nonsterile, sterile, filter/sterile versions are available
- ▶ RNase-/DNase-free, human gDNA-free
- ▶ Nonpyrogenic

## Axygen Automation Tips are Compatible with:

### Aurora Biomed

- ▶ VERSA™

### Agilent

- ▶ VPrep® and Bravo

### Agilent BioTek

- ▶ Precision™ and Precision XS

### Beckman Coulter

- ▶ Biomek® FX, NX, i5, i7

### Corbett

- ▶ CAS
- ▶ X-tractor Gene, QiaXtractor

### Dynamic Devices

- ▶ Oasis LM

### Hamamatsu

- ▶ 6000 and 7000 Series

### Hamilton

- ▶ CO-RE™ Microlab® Prep™, STAR™ Line, Nimbus®, and VANTAGE®

### Molecular Devices

- ▶ PatchXpress, FLIPR® Tetra, and FlexStation®

### PerkinElmer

- ▶ Janus® and Evolution P3
- ▶ VariSpan

### Qiagen

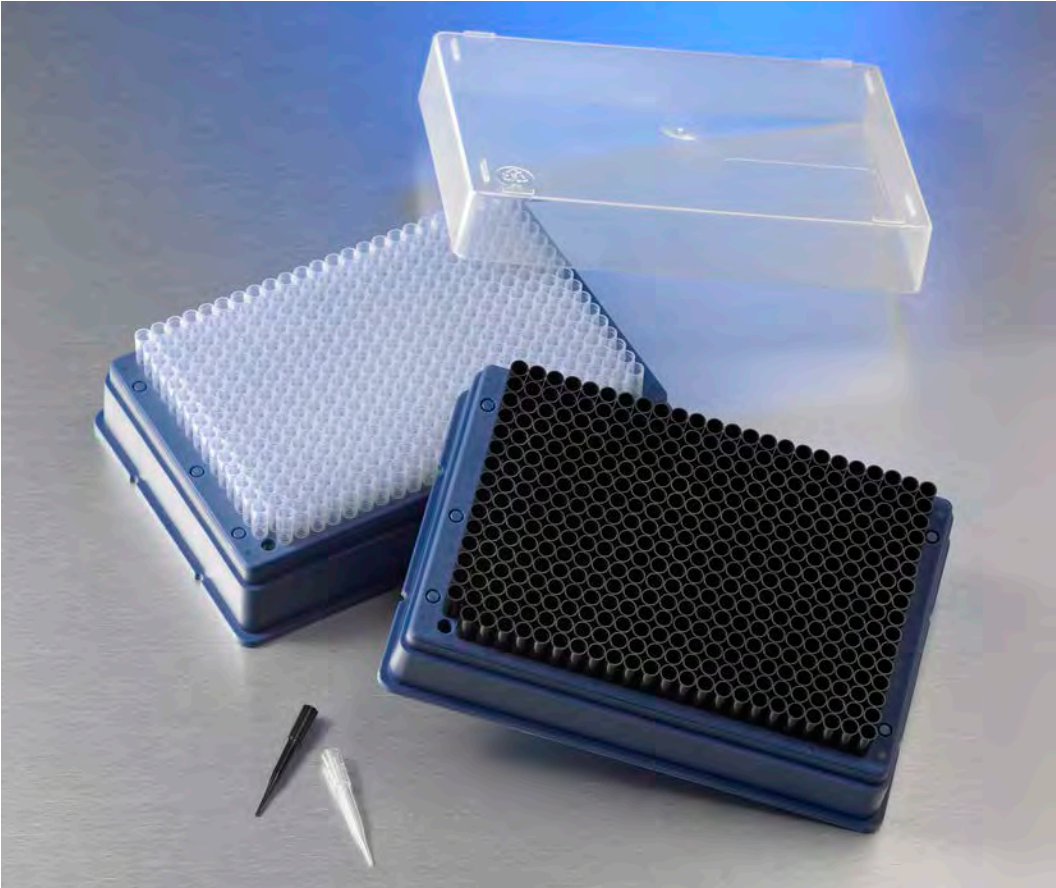
- ▶ BioRobot®

### Tecan

- ▶ MCA96 Head
- ▶ LiHa Head

### 5 Reasons to Choose Axygen® Automation Tips

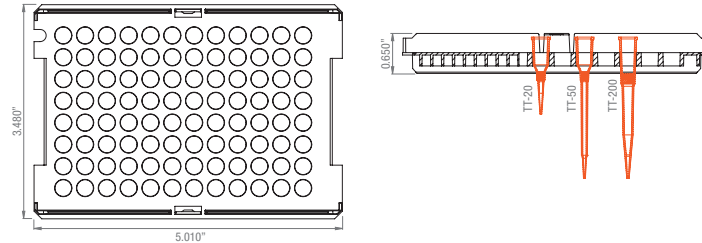
- 1 Automated Assembly**  
Ensures product is free from contamination.
- 2 Electronic Monitoring of Manufacturing**  
Advanced technology supported by experienced personnel results in high quality products.
- 3 In-house Testing**  
In-house automation lab allows product to be validated prior to release.
- 4 Customer Site Testing of New Products**  
All new products are validated at customer locations to ensure proper function.
- 5 Broad Product Offering**  
Corning routinely offers automation tips not offered by the robotic workstation manufacturer.



## Axygen® 96-well Format Tips

Compatible with Aurora Biomed VERSA™ Workstations

- ▶ Compatible head: 8-channel
- ▶ Non-ANSI/SLAS hanging tip, polycarbonate rack



### Clear

Cat. No.	Description	Packaging
TTF-20-C-HTR-S	10 µL clear filtered tips, sterile	96 tips/rack, 24 racks/case
TTF-50-C-HTR-S	25 µL clear filtered tips, sterile	96 tips/rack, 24 racks/case
TT-50-C-HTR	50 µL clear non-filtered tips	96 tips/rack, 24 racks/case
TT-50-C-HTR-36	50 µL clear non-filtered tips, bulk pack	96 tips/rack, 2 racks/pk, 36 pk/case
TTF-200-C-HTR-S	175 µL clear filtered tips, sterile	96 tips/rack, 24 racks/case
TT-200-C-HTR	200 µL clear non-filtered tips	96 tips/rack, 24 racks/case
TT-200-C-HTR-S	200 µL clear non-filtered tips, sterile	96 tips/rack, 24 racks/case
TT-1000-C-HTR	1000 µL clear non-filtered tips	96 tips/rack, 16 racks/case
TT-1000-C-HTR-S	1000 µL clear non-filtered tips, sterile	96 tips/rack, 16 racks/case
TTF-1000-C-HTR-S	1000 µL clear filtered tips, sterile	96 tips/rack, 16 racks/case

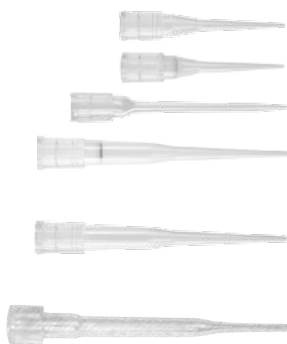
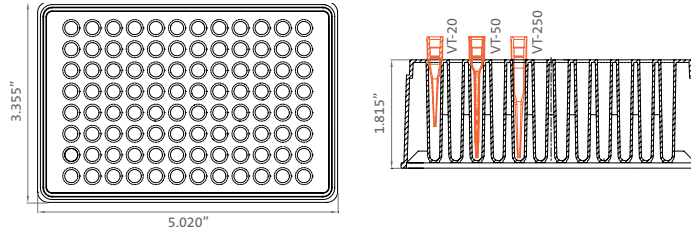
### Conductive Black

Cat. No.	Description	Packaging
TTF-20-CBK-HTR-S	10 µL black filtered tips, sterile	96 tips/rack, 24 racks/case
TT-20-CBK-HTR	20 µL black non-filtered tips	96 tips/rack, 24 racks/case
TTF-50-CBK-HTR-S	25 µL black filtered tips, sterile	96 tips/rack, 24 racks/case
TT-50-CBK-HTR	50 µL black non-filtered tips	96 tips/rack, 24 racks/case
TT-50-CBK-HTR-36	50 µL black non-filtered tips, bulk pack	96 tips/rack, 2 racks/pk, 36 pk/case
TT-50-CBK-HTR-S	50 µL black non-filtered tips, sterile	96 tips/rack, 24 racks/case
TTF-200-CBK-HTR-S	175 µL black filtered tips, sterile	96 tips/rack, 24 racks/case
TT-200-CBK-HTR	200 µL black non-filtered tips	96 tips/rack, 24 racks/case
TT-200-CBK-HTR-S	200 µL black non-filtered tips, sterile	96 tips/rack, 24 racks/case
TT-1000-CBK-HTR	1000 µL black non-filtered tips	96 tips/rack, 16 racks/case
TT-1000-CBK-HTR-24	1000 µL black non-filtered tips, bulk pack	96 tips/rack, 2 racks/pk, 24 pk/case
TT-1000-CBK-HTR-S	1000 µL black non-filtered tips, sterile	96 tips/rack, 16 racks/case
TTF-1000-CBK-HTR-S	1000 µL black filtered tips, sterile	96 tips/rack, 16 racks/case

### Axygen® 96-well Format Tips, Clear

Compatible with Agilent VPrep® and Bravo Workstations

- ▶ Compatible heads: 96LT, 8LT
- ▶ ANSI/SLAS, polypropylene rack

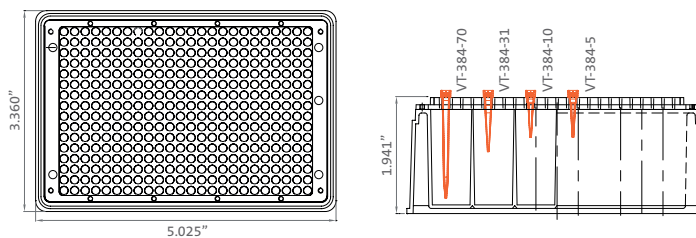


Cat. No.	Description	Packaging
VT-20-R	20 µL clear non-filtered tips	96 tips/rack, 50 racks/case
VTF-20-R-S	20 µL clear filtered tips, sterile	96 tips/rack, 50 racks/case
VT-50-R	50 µL clear non-filtered tips	96 tips/rack, 50 racks/case
VTF-165-R-S	165 µL clear filtered tips, sterile (Old V-11 Style)	96 tips/rack, 50 racks/case
VTF-205-R-S	200 µL clear filtered tips, sterile	96 tips/rack, 50 racks/case
VT-250-R	250 µL clear non-filtered tips (Old V-11 Style)	96 tips/rack, 50 racks/case
VT-250-R-S	250 µL clear non-filtered tips, sterile (Old V-11 Style)	96 tips/rack, 50 racks/case
VT-255-R	250 µL clear non-filtered tips	96 tips/rack, 50 racks/case
VT-255-R-S	250 µL clear non-filtered tips, sterile	96 tips/rack, 50 racks/case

### Axygen 384-well Format Tips, Clear

Compatible with Agilent VPrep and Bravo Workstations

- ▶ Compatible heads: 384ST, 96ST, 16ST
- ▶ ANSI/SLAS, conductive black polypropylene rack



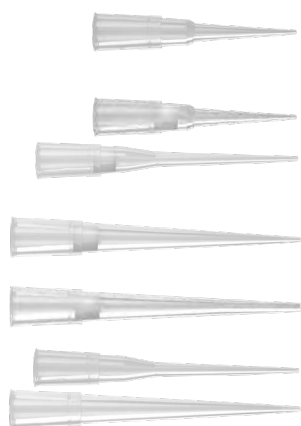
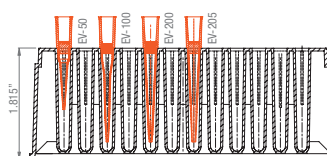
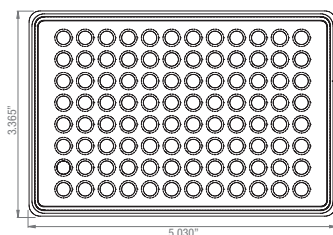
Cat. No.	Description	Packaging
VT-384-5UL-R	5 µL clear non-filtered tips	384 tips/rack, 50 racks/case
VT-384-10UL-R	10 µL clear non-filtered tips	384 tips/rack, 50 racks/case
VT-384-10UL-R-S	10 µL clear non-filtered tips, sterile	384 tips/rack, 50 racks/case
VTF-384-15UL-R-S	15 µL clear filtered tips, sterile	384 tips/rack, 50 racks/case
VT-384-31UL-R	30 µL clear non-filtered tips	384 tips/rack, 50 racks/case
VT-384-31UL-R-S	30 µL clear non-filtered tips, sterile	384 tips/rack, 50 racks/case
VTF-384-50UL-R-S	50 µL clear filtered tips, sterile	384 tips/rack, 50 racks/case
VT-384-70UL-R	70 µL clear non-filtered tips	384 tips/rack, 50 racks/case
VT-384-70UL-R-S	70 µL clear non-filtered tips, sterile	384 tips/rack, 50 racks/case



## Axygen® 96-well Format Tips, Clear

Compatible with BioTek Precision™ and Precision XS Workstations

- ▶ Compatible heads: 8- or 12-channel
- ▶ ANSI/SLAS, polypropylene rack

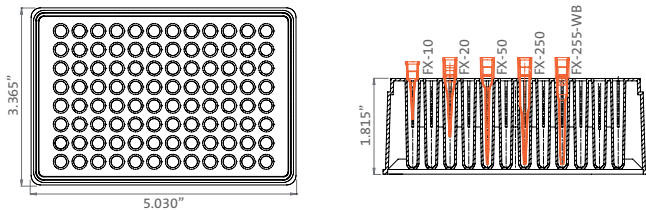


Cat. No.	Description	Packaging
EV-50-R	50 µL clear non-filtered tips	96 tips/rack, 10 racks/pk, 5 pk/case
EV-50-R-S	50 µL clear non-filtered tips, sterile	96 tips/rack, 10 racks/pk, 5 pk/case
EVF-50-R-S	50 µL clear filtered tips, sterile	96 tips/rack, 10 racks/pk, 5 pk/case
EVF-100-R-S	80 µL clear filtered tips, sterile	96 tips/rack, 10 racks/pk, 5 pk/case
EV-100-R	100 µL clear non-filtered tips	96 tips/rack, 10 racks/pk, 5 pk/case
EVF-180-R-S	180 µL clear filtered tips, sterile	96 tips/rack, 10 racks/pk, 5 pk/case
EVF-205-WB-R-PB	180 µL clear wide bore filtered tips	96 tips/rack, 10 racks/pk, 5 pk/case
EVF-205-WB-R-S	180 µL clear wide bore filtered tips, sterile	96 tips/rack, 10 racks/pk, 5 pk/case
EV-200-R	200 µL clear non-filtered tips	96 tips/rack, 10 racks/pk, 5 pk/case
EV-200-R-S	200 µL clear non-filtered tips, sterile	96 tips/rack, 10 racks/pk, 5 pk/case

### Axygen® 96-well Format Tips, Clear

Compatible with Beckman Biomek® FX, NX, i5 and i7 Workstations

- ▶ Compatible heads: AP-96, MP20, MP200
- ▶ ANSI/SLAS, polypropylene rack



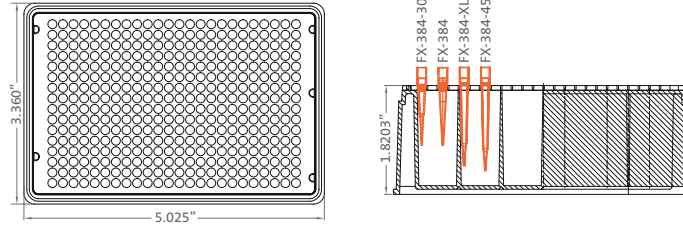
Cat. No.	Description	Packaging
FX-10-R	10 µL clear non-filtered tips	96 tips/rack, 50 racks/case
FX-20-R	20 µL clear non-filtered tips	96 tips/rack, 50 racks/case
FX-20-R-S	20 µL clear non-filtered tips, sterile	96 tips/rack, 50 racks/case
FXF-20-R-S	20 µL clear filtered tips, sterile	96 tips/rack, 50 racks/case
FXF-50-R-S	30 µL clear filtered tips, sterile	96 tips/rack, 50 racks/case
FX-50-R	50 µL clear non-filtered tips	96 tips/rack, 50 racks/case
FX-50-R-S	50 µL clear non-filtered tips, sterile	96 tips/rack, 50 racks/case
FXF-180-R-S	165 µL clear filtered tips, sterile	96 tips/rack, 50 racks/case
FXF-165-WB-R-S*	165 µL clear wide bore filtered tips, sterile	96 tips/rack, 50 racks/case
FXF-200-R-S	200 µL clear filtered tips, sterile	96 tips/rack, 50 racks/case
FXF-205-WB-R-S	200 µL clear wide bore filtered tips, sterile	96 tips/rack, 50 racks/case
FX-250-R	250 µL clear non-filtered tips	96 tips/rack, 50 racks/case
FX-250-R-S	250 µL clear non-filtered tips, sterile	96 tips/rack, 50 racks/case
FX-255-WB-R	250 µL clear wide bore non-filtered tips	96 tips/rack, 50 racks/case

\*Made to order. Please contact your local Corning Account Manager for more details.

**Axygen® 384-well Format Tips, Clear**

Compatible with Beckman Biomek® FX, NX, i5 and i7 Workstations

- ▶ Compatible heads: AP-384, 384-channel low volume (FXF-384-XL-R-S only)
- ▶ ANSI/SLAS, conductive black polypropylene rack

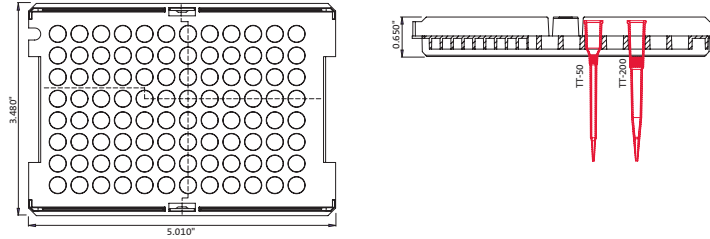


Cat. No.	Description	Packaging
FX-384-R	30 µL clear non-filtered tips	384 tips/rack, 50 racks/case
FX-384-R-S	30 µL clear non-filtered tips, sterile	384 tips/rack, 50 racks/case
FX-384-30FP-R	30 µL clear fine point non-filtered tips	384 tips/rack, 50 racks/case
FX-384-30FP-R-S	30 µL clear fine point non-filtered tips, sterile	384 tips/rack, 50 racks/case
FXF-384-30FP-R-S	30 µL clear fine point filtered tips, sterile	384 tips/rack, 50 racks/case
FXF-384-XL-R-S	30 µL clear extended length filtered tips, sterile	384 tips/rack, 50 racks/case
FX-384-45FP-R	45 µL clear fine point non-filtered tips	384 tips/rack, 50 racks/case
FXF-384-45FP-R-S	45 µL clear fine point filtered tips, sterile	384 tips/rack, 50 racks/case
FX-384-XL-R	50 µL clear extended length non-filtered tips	384 tips/rack, 50 racks/case
FX-384-XL-R-S	50 µL clear extended length non-filtered tips, sterile	384 tips/rack, 50 racks/case

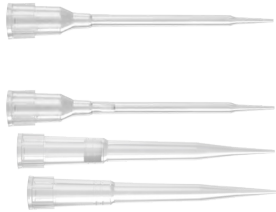
### Axygen® 96-well Format Tips

Compatible with Corbett CAS Workstations

- ▶ Compatible heads: CAS-1200 single-channel (20 - 150 µL/sec.)
- ▶ ANSI/SLAS hanging tip, polycarbonate rack



#### Clear



Cat. No.	Description	Packaging
TT-50-C-HTR	50 µL clear non-filtered tips	96 tips/rack, 24 racks/case
TT-50-C-HTR-36	50 µL clear non-filtered tips, bulk pack	96 tips/rack, 2 racks/pk, 36 pk/case
TTF-50-C-HTR-S	25 µL clear filtered tips, sterile	96 tips/rack, 24 racks/case
TTF-200-C-HTR-S	175 µL clear filtered tips, sterile	96 tips/rack, 24 racks/case
TT-200-C-HTR	200 µL clear non-filtered tips	96 tips/rack, 24 racks/case
TT-200-C-HTR-S	200 µL clear non-filtered tips, sterile	96 tips/rack, 24 racks/case

#### Conductive Black



Cat. No.	Description	Packaging
TTF-50-CBK-HTR-S	25 µL black filtered tips, sterile	96 tips/rack, 24 racks/case
TT-50-CBK-HTR	50 µL black non-filtered tips	96 tips/rack, 24 racks/case
TT-50-CBK-HTR-36	50 µL black non-filtered tips, bulk pack	96 tips/rack, 2 racks/pk, 36 pk/case
TT-50-CBK-HTR-S	50 µL black non-filtered tips, sterile	96 tips/rack, 24 racks/case
TT-200-CBK-HTR	200 µL black non-filtered tips	96 tips/rack, 24 racks/case
TT-200-CBK-HTR-S	200 µL black non-filtered tips, sterile	96 tips/rack, 24 racks/case
TTF-200-CBK-HTR-S	200 µL black filtered tips, sterile	96 tips/rack, 24 racks/case

### Axygen 96-well Format Tips, Clear

Compatible with Corbett X-tractor Gene and QiaXtractor Workstations

- ▶ Compatible heads: X-tractor Gene 8-channel, CAS-4200, CAS-4800, QiaXtractor
- ▶ Standard ANSI/SLAS, polypropylene (CTF) rack

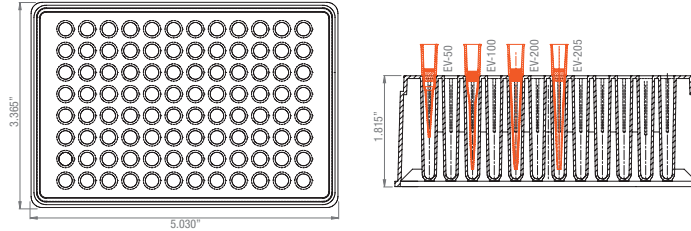


Cat. No.	Description	Packaging
CTF-199-R-S	200 µL clear filtered tips, sterile	96 tips/rack, 10 racks/pk, 5 pk/case

### Axygen® 96-well Format Tips, Clear

Compatible with Dynamic Devices Oasis LM Workstations

- ▶ Compatible heads: 8- or 96-channel standard volume
- ▶ ANSI/SLAS, polypropylene rack

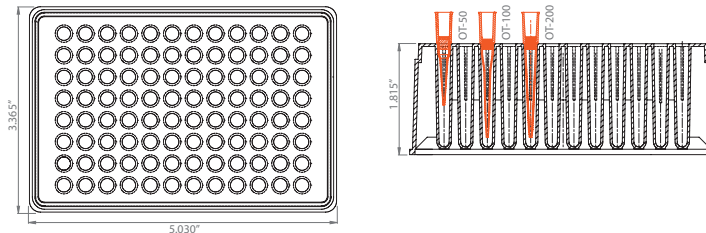


Cat. No.	Description	Packaging
EV-50-R	50 µL clear non-filtered tips	96 tips/rack, 10 racks/pk, 5 pk/case
EV-50-R-S	50 µL clear non-filtered tips, sterile	96 tips/rack, 10 racks/pk, 5 pk/case
EVF-50-R-S	50 µL clear filtered tips, sterile	96 tips/rack, 10 racks/pk, 5 pk/case
EVF-100-R-S	80 µL clear filtered tips, sterile	96 tips/rack, 10 racks/pk, 5 pk/case
EV-100-R	100 µL clear non-filtered tips	96 tips/rack, 10 racks/pk, 5 pk/case
EVF-180-R-S	180 µL clear filtered tips, sterile	96 tips/rack, 10 racks/pk, 5 pk/case
EVF-205-WB-R-PB	180 µL clear wide bore filtered tips	96 tips/rack, 10 racks/pk, 5 pk/case
EVF-205-WB-R-S	180 µL clear wide bore filtered tips, sterile	96 tips/rack, 10 racks/pk, 5 pk/case
EV-200-R	200 µL clear non-filtered tips	96 tips/rack, 10 racks/pk, 5 pk/case
EV-200-R-S	200 µL clear non-filtered tips, sterile	96 tips/rack, 10 racks/pk, 5 pk/case

### Axygen 96-well Format Tips, Clear, Paper Bottom

Compatible with Dynamic Devices Oasis LM Workstations

- ▶ Compatible heads: 8- or 96-channel standard volume
- ▶ ANSI/SLAS, polypropylene rack



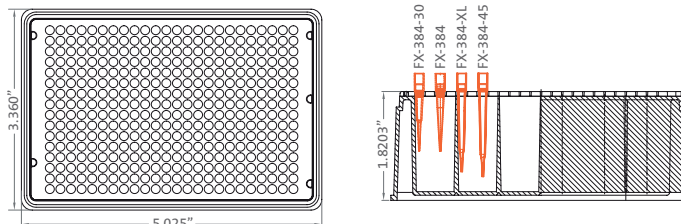
Cat. No.	Description	Packaging
OTF-50-R-PB	50 µL clear filtered tips	96 tips/rack, 10 racks/pk, 5 pk/case
OTF-100-R	100 µL clear non-filtered tips	96 tips/rack, 10 racks/pk, 5 pk/case
OTF-100-R-PB	100 µL clear filtered tips	96 tips/rack, 10 racks/pk, 5 pk/case
OTF-180-R-PB	180 µL clear filtered tips	96 tips/rack, 10 racks/pk, 5 pk/case
OTF-200-R	200 µL clear non-filtered tips	96 tips/rack, 10 racks/pk, 5 pk/case

## Dynamic Devices (continued)

### Axygen® 384-well Format Tips, Clear

Compatible with Dynamic Devices Oasis LM Workstations

- Compatible heads: 384-channel low volume
- ANSI/SLAS, polypropylene rack



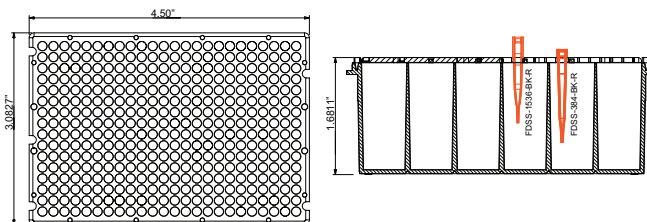
Cat. No.	Description	Packaging
FX-384-R	30 µL clear non-filtered tips	96 tips/rack, 10 racks/pk, 5 pk/case
FX-384-R-S	30 µL clear non-filtered tips, sterile	96 tips/rack, 10 racks/pk, 5 pk/case
FX-384-30FP-R	30 µL clear fine point non-filtered tips	96 tips/rack, 10 racks/pk, 5 pk/case
FX-384-30FP-R-S	30 µL clear fine point non-filtered tips, sterile	96 tips/rack, 10 racks/pk, 5 pk/case
FXF-384-30FP-R-S	30 µL clear fine point filtered tips, sterile	96 tips/rack, 10 racks/pk, 5 pk/case
FXF-384-XL-R-S	30 µL clear filtered tips, sterile	96 tips/rack, 10 racks/pk, 5 pk/case
FX-384-45FP-R	45 µL clear fine point non-filtered tips	96 tips/rack, 10 racks/pk, 5 pk/case
FXF-384-45FP-R-S	45 µL clear fine point filtered tips, sterile	96 tips/rack, 10 racks/pk, 5 pk/case
FX-384-XL-R	50 µL clear non-filtered tips	96 tips/rack, 10 racks/pk, 5 pk/case
FX-384-XL-R-S	50 µL clear non-filtered tips, sterile	96 tips/rack, 10 racks/pk, 5 pk/case

## Hamamatsu

### Axygen 384-well Format Tips, Black Conductive

Compatible with Hamamatsu 6000 and 7000 Series Workstations

- Compatible heads: FDSS 6000, FDSS 7000
- Non-ANSI/SLAS hanging tip, polypropylene rack



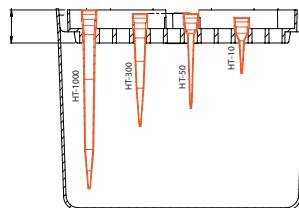
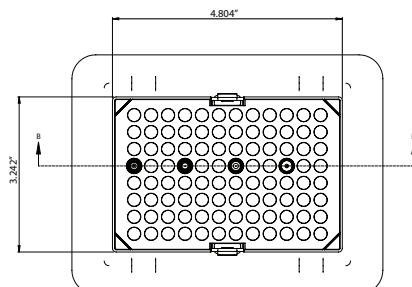
Cat. No.	Description	Head Compatibility	Packaging
FDSS-384-BK-R*	50 µL black non-filtered tips	FDSS 6000	96 tips/rack, 10 racks/pk, 5 pk/case
FDSS-1536-BK-R*	50 µL black non-filtered tips	FDSS 7000	96 tips/rack, 10 racks/pk, 5 pk/case

\*Made to order. Please contact your local Corning Account Manager for more details.

## Axygen® 96-well Format Tips, Hanging Tip Rack

Compatible with Hamilton CO-RE™ Microlab® Prep™, STAR™ Line, Nimbus®, and VANTAGE® Workstations

- ▶ Compatible heads: 8- and 96-channel
- ▶ ANSI/SLAS, hanging tip, polypropylene rack



### Conductive Black

Cat. No.	Description	Qty/Pk	Qty/Cs
HT-10-CBK-HTR	10 µL liquid level sensing automation tips	96	2,304
HT-10-CBK-HTR-5	10 µL liquid level sensing automation tips	480	5,760
HT-10-CBK-HTR-S-5	10 µL liquid level sensing automation tips, sterile	480	5,760
HTF-10-CBK-HTR-S	10 µL liquid level sensing filtered automation tips, sterile	96	2,304
HTF-10-CBK-HTR-S-5	10 µL liquid level sensing filtered automation tips, sterile	480	5,760
HT-50-CBK-HTR	50 µL liquid level sensing automation tips	96	2,304
HT-50-CBK-HTR-5	50 µL liquid level sensing automation tips	480	5,760
HT-50-CBK-HTR-S-5	50 µL liquid level sensing automation tips, sterile	480	5,760
HTF-50-CBK-HTR-S	50 µL liquid level sensing filtered automation tips, sterile	96	2,304
HTF-50-CBK-HTR-S-5	50 µL liquid level sensing filtered automation tips, sterile	480	5,760
HT-300-CBK-HTR	300 µL liquid level sensing automation tips	96	2,304
HT-300-CBK-HTR-5	300 µL liquid level sensing automation tips	480	5,760
HT-300-CBK-HTR-S	300 µL liquid level sensing automation tips, sterile	96	2,304
HT-300-CBK-HTR-S-5	300 µL liquid level sensing automation tips, sterile	480	5,760
HTF-300-CBK-HTR-S	300 µL liquid level sensing filtered automation tips, sterile	96	2,304
HTF-300-CBK-HTR-S5	300 µL liquid level sensing filtered automation tips, sterile	480	5,760
HT-1000-CBK-HTR-5	1000 µL liquid level sensing automation tips	480	3,840
HT-1000-CBK-HTR-S	1000 µL liquid level sensing automation tips, sterile	96	1,536
HT-1000-CBK-HTR-S5	1000 µL liquid level sensing automation tips, sterile	480	3,840
HTF-1000-CBK-HTR-5	1000 µL liquid level sensing filtered automation tips	480	3,840
HTF-1000-CBK-HTR-S	1000 µL liquid level sensing filtered automation tips, sterile	96	1,536
HTF-1000-CBK-HTR-S5	1000 µL liquid level sensing filtered automation tips, sterile	480	3,840



**Axygen® 96-well Format Tips, Hanging Tip Rack (continued)**

Compatible with Hamilton CO-RE™ Microlab® Prep™, STAR™ Line, Nimbus®, and VANTAGE® Workstations (continued)

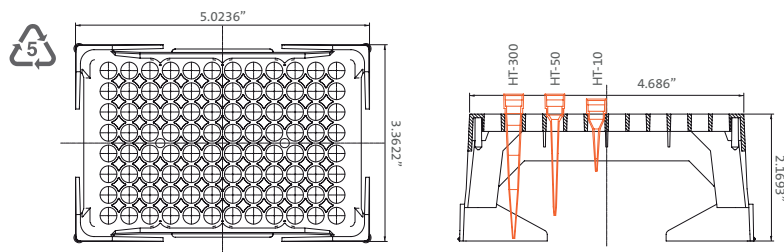
**Clear**

Cat. No.	Description	Qty/Pk	Qty/Cs
HT-10-C-HTR-5	10 µL automation tips	480	5,760
HT-10-C-HTR-S-5	10 µL automation tips, sterile	480	5,760
HTF-10-C-HTR-S-5	10 µL filtered automation tips, sterile	480	5,760
HT-50-C-HTR-5	50 µL automation tips	480	5,760
HT-50-C-HTR-S-5	50 µL automation tips, sterile	480	5,760
HTF-50-C-HTR-S-5	50 µL filtered automation tips, sterile	480	5,760
HT-300-C-HTR-5	300 µL automation tips	480	5,760
HT-300-C-HTR-S-5	300 µL automation tips, sterile	480	5,760
HTF-300-C-HTR-S	300 µL filtered automation tips, sterile	96	2,304
HTF-300-C-HTR-S-5	300 µL filtered automation tips, sterile	480	5,760
HT-1000-C-HTR-5	1000 µL automation tips	480	3,840
HT-1000-C-HTR-S-5	1000 µL automation tips, sterile	480	3,840
HTF-1000-C-HTR-S	1000 µL filtered automation tips, sterile	96	1,536
HTF-1000-C-HTR-S-5	1000 µL filtered automation tips, sterile	480	3,840

**Axygen 96-well Format Tips, Nested Tip Rack**

Compatible with Hamilton CO-RE Microlab Prep, STAR Line, Nimbus, and VANTAGE Workstations

- ▶ Compatible heads: 8- and 96-channel
- ▶ ANSI/SLAS nested, polypropylene rack

**Conductive Black**

Cat. No	Description	Qty/Pk	Qty/Cs
HT-10-CBK-STK	10 µL liquid level sensing automation tips	384	11,520
HT-10-CBK-STK-S	10 µL liquid level sensing automation tips, sterile	384	11,520
HT-50-CBK-STK	50 µL liquid level sensing automation tips	384	11,520
HT-50-CBK-STK-S	50 µL liquid level sensing automation tips, sterile	384	11,520
HT-300-CBK-STK	300 µL liquid level sensing automation tips	384	11,520
HT-300-CBK-STK-S	300 µL liquid level sensing automation tips, sterile	384	11,520

**Clear**

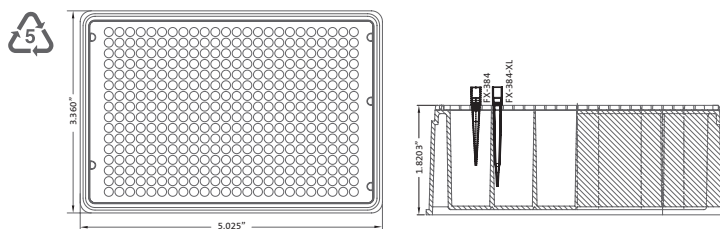
Cat. No	Description	Qty/Pk	Qty/Cs
HT-10-C-STK	10 µL automation tips	384	11,520
HT-10-C-STK-S	10 µL automation tips, sterile	384	11,520
HT-50-C-STK	50 µL automation tips	384	11,520
HT-50-C-STK-S	50 µL automation tips, sterile	384	11,520
HT-300-C-STK	300 µL automation tips	384	11,520
HT-300-C-STK-S	300 µL automation tips, sterile	384	11,520



### Axygen® 384-well Format Clear Polypropylene Tips

Compatible with Hamilton CO-RE™ Microlab® Prep™, STAR™ Line, Nimbus®, and VANTAGE® Workstations

- ▶ Compatible head: 384-channel
- ▶ ANSI/SLAS, anti-static hanging tip, black conductive polypropylene rack



Cat. No	Description	Qty/Pk	Qty/Cs
FX-384-R	30 µL clear tips	3,840	19,200
FX-384-R-S	30 µL clear tips, sterile	3,840	19,200
FX-384-30FP-R	30 µL clear fine point tips	3,840	19,200
FX-384-30FP-R-S	30 µL clear fine point tips, sterile	3,840	19,200
FXF-384-30FP-R-S	30 µL clear fine point tips, filtered, sterile	3,840	19,200
FX-384-45FP-R	45 µL clear fine point tips	3,840	19,200
FX-384-45FP-R-S	45 µL clear fine point tips, sterile	3,840	19,200
FXF-384-45FP-R-S	45 µL clear fine point tips, filtered, sterile	3,840	19,200
FX-384-XL-R	50 µL clear extra long tips	3,840	19,200
FX-384-XL-R-S	50 µL clear extra long tips, sterile	3,840	19,200
FXF-384-XL-R-S	50 µL clear extra long filter tips, sterile	3,840	19,200

### Axygen® 96-well Format Tips, Clear and Black Conductive

Compatible with Molecular Devices PatchXpress, FLIPR® Tetra, and FlexStation® Workstations

- ▶ ANSI/SLAS (TT-50-C-HTR ANSI/SLAS hanging tips), polypropylene rack

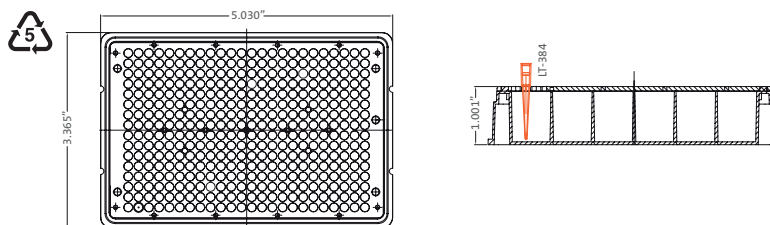


Cat. No.	Description	Workstation Compatibility	Packaging
TT-50-C-HTR	50 µL black non-filtered tips	PatchXpress 7000A	96 tips/rack, 50 racks/case
PK-200-R	200 µL clear non-filtered tips	FLIPR Tetra	96 tips/rack, 50 racks/case
RMT-200-C-R	200 µL clear non-filtered tips	FlexStation	96 tips/rack, 50 racks/case
PK-200-BK-R	200 µL black non-filtered tips	FLIPR Tetra	96 tips/rack, 50 racks/case
RMT-200-BK-R	200 µL black non-filtered tips	FlexStation	96 tips/rack, 50 racks/case

### Axygen 384-well Format Tips, Clear and Black Conductive

Compatible with Molecular Devices FLIPR Tetra and FLIPR Liberty 384 Workstations

- ▶ ANSI/SLAS, polypropylene rack

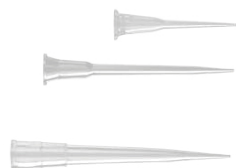
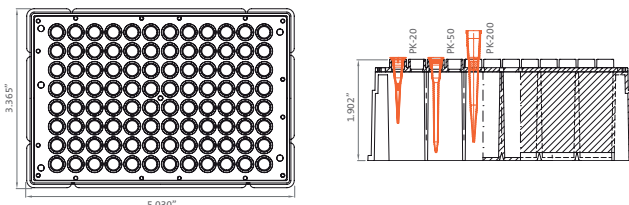


Cat. No.	Description	Workstation Compatibility	Packaging
FT-384-C-R	30 µL clear non-filtered tips	FLIPR Tetra	384 tips/rack, 50 racks/case
FT-384-BK-R	30 µL black non-filtered tips	FLIPR Tetra	384 tips/rack, 50 racks/case
PK-384-R	30 µL clear non-filtered tips	FLIPR Tetra Type A	384 tips/rack, 50 racks/case
LT-384-R	30 µL clear non-filtered tips	FLIPR Liberty B (Liberty)	384 tips/rack, 50 racks/case

## Axygen® 96-well Format Clear MDT Tips

Compatible with PerkinElmer Janus® and Evolution P3 Workstations

- ▶ Compatible heads: MDT-96
- ▶ ANSI/SLAS, polypropylene rack



Cat. No.	Description	Packaging
PK-20-R	20 µL clear non-filtered tips	96 tips/rack, 50 racks/case
PK-50-R	50 µL clear non-filtered tips	96 tips/rack, 50 racks/case
PK-50-R-S	50 µL clear non-filtered tips, sterile	96 tips/rack, 50 racks/case
PK-200-R	200 µL clear non-filtered tips	96 tips/rack, 50 racks/case

## Axygen 384-well Format Tips, Clear MDT

Compatible with PerkinElmer Janus and Evolution P3 Workstations

- ▶ Compatible heads: MDT-384-30 µL
- ▶ ANSI/SLAS, polypropylene rack

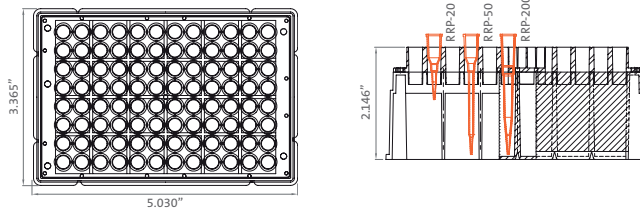


Cat. No.	Description	Packaging
PK-384-R	30 µL clear non-filtered tips	384 tips/rack, 50 racks/case
PK-384-R-S	30 µL clear non-filtered tips, sterile	384 tips/rack, 50 racks/case
PKF-384-R-S	30 µL clear filtered tips, sterile	384 tips/rack, 50 racks/case

### Axygen® 96-well Format Tips, Clear and Black Conductive

Compatible with PerkinElmer VariSpan Head

- ▶ ANSI/SLAS, polypropylene rack



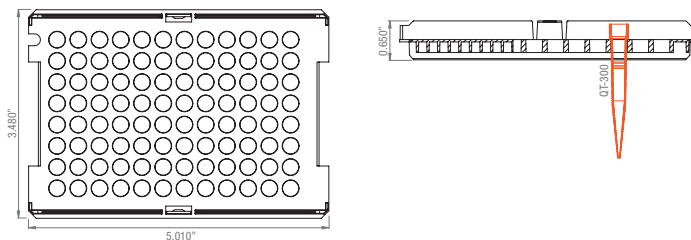
Cat. No.	Description	Packaging
RRF-25-C-R-S	25 µL clear filtered tips, sterile	96 tips/rack, 50 racks/case
RRF-25-CBK-R-S	25 µL black liquid level sensing filtered tips, sterile	96 tips/rack, 50 racks/case
RRP-50-C-R	50 µL clear non-filtered tips	96 tips/rack, 50 racks/case
RRP-50-CBK-R	50 µL black liquid level sensing non-filtered tips	96 tips/rack, 50 racks/case
RRF-175-C-R-S	175 µL clear filtered tips, sterile	96 tips/rack, 50 racks/case
RRF-175-CBK-R-S	175 µL black liquid level sensing filtered tips, sterile	96 tips/rack, 50 racks/case
RRP-200-C-R	200 µL clear non-filtered tips	96 tips/rack, 50 racks/case
RRP-200-C-R-S	200 µL clear non-filtered tips, sterile	96 tips/rack, 50 racks/case
RRP-200-CBK-R	200 µL black liquid level sensing non-filtered tips	96 tips/rack, 50 racks/case

### Qiagen

### Axygen 96-well Format Tips, Black Conductive

Compatible with Qiagen BioRobot® Series Workstations

- ▶ ANSI/SLAS hanging tip, polycarbonate rack

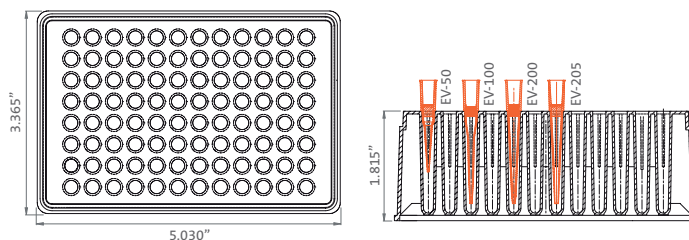


Cat. No.	Description	Packaging
Q-OCF-200-R-S	200 µL black filtered tips, sterile	96 tips/rack, 5 racks/case
QT-300-CBK-R	300 µL black non-filtered tips	96 tips/rack, 24 racks/case
QTF-1100-CBK-R-S	1000 µL black filtered tips, sterile	96 tips/rack, 16 racks/case

## Axygen® 96-well Format Tips, Clear

Compatible with Tecan MCA96 Head

- ▶ ANSI/SLAS, polypropylene rack



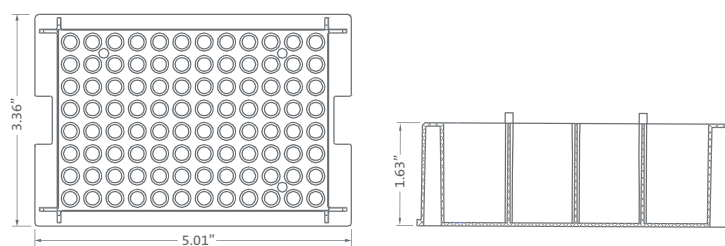
Cat. No.	Description	Packaging
EV-50-R	50 µL clear non-filtered tips	96 tips/rack, 50 racks/case
EV-50-R-S*	50 µL clear non-filtered tips, sterile	96 tips/rack, 50 racks/case
EVF-50-R-S	50 µL clear filtered tips, sterile	96 tips/rack, 50 racks/case
EV-100-R	100 µL clear non-filtered tips	96 tips/rack, 50 racks/case
EV-100-R-S	100 µL clear non-filtered tips, sterile	96 tips/rack, 50 racks/case
EVF-100-R-S*	100 µL clear filtered tips, sterile	96 tips/rack, 50 racks/case
EVF-180-R-S	180 µL clear filtered tips, sterile	96 tips/rack, 50 racks/case
EVF-205-WB-R-S	180 µL clear filtered tips, wide bore, sterile	96 tips/rack, 50 racks/case
EV-200-R	200 µL clear non-filtered tips	96 tips/rack, 50 racks/case
EV-200-R-S	200 µL clear non-filtered tips, sterile	96 tips/rack, 50 racks/case

\*Made to order. Please contact your local Corning Account Manager for more details.

## Axygen 96-well Format Tips, Clear

Compatible with Tecan MCA96 Head (ANSI/SLAS Footprint Nested Rack)

- ▶ ANSI/SLAS nested, polypropylene rack

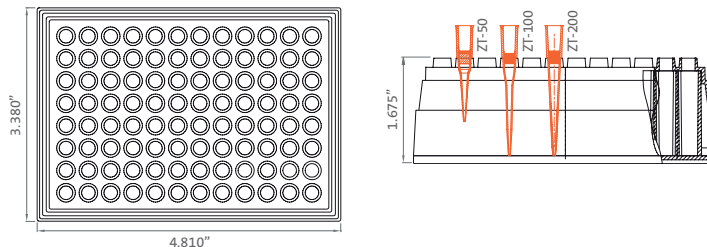


Cat. No.	Description	Packaging
EV-50-NTR	50 µL clear non-filtered tips	96 tips/rack, 8 racks/stack, 5 stacks/case
EV-50-NTR-S	50 µL clear non-filtered tips, sterile	96 tips/rack, 8 racks/stack, 5 stacks/case
EV-200-NTR	200 µL clear non-filtered tips	96 tips/rack, 8 racks/stack, 5 stacks/case
EV-200-NTR-S	200 µL clear non-filtered tips, sterile	96 tips/rack, 8 racks/stack, 5 stacks/case

### Axygen® 96-well Format Tips, Clear

Compatible with Tecan MCA96 Head

- ▶ Non-ANSI/SLAS SciClone® style, polypropylene rack



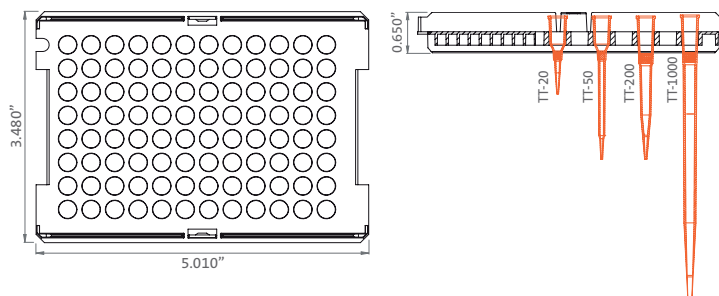
Cat. No.	Description	Packaging
ZT-50-R*	50 µL clear non-filtered tips	96 tips/rack, 50 racks/case
ZT-50-R-S*	50 µL clear non-filtered tips, sterile	96 tips/rack, 50 racks/case
ZTF-50-R-S	50 µL clear filtered tips, sterile	96 tips/rack, 50 racks/case
ZT-100-R	100 µL clear non-filtered tips	96 tips/rack, 50 racks/case
ZT-100-R-S*	100 µL clear non-filtered tips, sterile	96 tips/rack, 50 racks/case
ZTF-100-R-S	100 µL clear filtered tips, sterile	96 tips/rack, 50 racks/case
ZTF-200-R-S	180 µL clear filtered tips, sterile	96 tips/rack, 50 racks/case
ZT-200-R	200 µL clear non-filtered tips	96 tips/rack, 50 racks/case
ZT-200-R-S	200 µL clear non-filtered tips, sterile	96 tips/rack, 50 racks/case

\*Made to order. Please contact your local Corning Account Manager for more details.

### Axygen® 96-well Format Tips, Clear

Compatible with Tecan LiHa Head

- ▶ ANSI/SLAS hanging tip, polypropylene rack

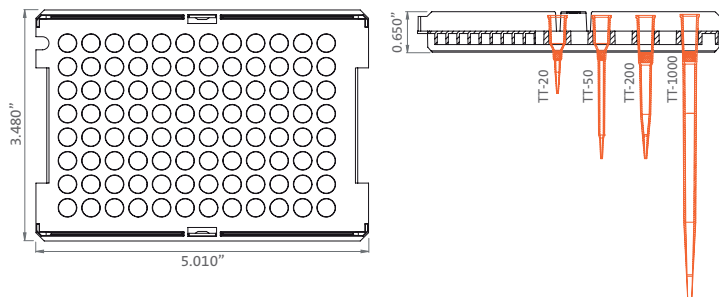


Cat. No.	Description	Packaging
TTF-20-C-HTR-S	20 µL clear filtered tips, sterile	96 tips/rack, 24 racks/case
TTF-50-C-HTR-S	25 µL clear filtered tips, sterile	96 tips/rack, 24 racks/case
TT-50-C-HTR	50 µL clear non-filtered tips	96 tips/rack, 24 racks/case
TT-50-C-HTR-36	50 µL clear non-filtered tips	96 tips/rack, 2 racks/pack, 36 packs/case
TTF-200-C-HTR-S	175 µL clear filtered tips, sterile	96 tips/rack, 24 racks/case
TT-200-C-HTR	200 µL clear non-filtered tips	96 tips/rack, 24 racks/case
TT-200-C-HTR-S	200 µL clear non-filtered tips, sterile	96 tips/rack, 24 racks/case
TT-1000-C-HTR	1000 µL clear non-filtered tips	96 tips/rack, 16 racks/case
TT-1000-C-HTR-S	1000 µL clear non-filtered tips, sterile	96 tips/rack, 16 racks/case
TTF-1000-C-HTR-S	1000 µL clear filtered tips, sterile	96 tips/rack, 16 racks/case

## Axygen® 96-well Format Tips, Black Conductive, Liquid Sensing

Compatible with Tecan LiHa Head

▶ ANSI/SLAS hanging tip, polypropylene rack



Cat. No.	Description	Packaging
TT-20-CBK-HTR	20 µL black non-filtered tips	96 tips/rack, 24 racks/case
TTF-20-CBK-HTR-S	20 µL black filtered tips, sterile	96 tips/rack, 24 racks/case
TTF-50-CBK-HTR-S	25 µL black filtered tips, sterile	96 tips/rack, 24 racks/case
TTF-50-CBK-HTR-S36	25 µL black filtered tips, sterile (economy package)	96 tips/rack, 2 racks/pack, 36 packs/case
TT-50-CBK-HTR	50 µL black non-filtered tips	96 tips/rack, 24 racks/case
TT-50-CBK-HTR-36	50 µL black non-filtered tips (economy package)	96 tips/rack, 2 racks/pack, 36 packs/case
TT-50-CBK-HTR-S	50 µL black non-filtered tips, sterile	96 tips/rack, 24 racks/case
TTF-200-CBK-HTR-S	175 µL black filtered tips, sterile	96 tips/rack, 24 racks/case
TT-200-CBK-HTR	200 µL black non-filtered tips	96 tips/rack, 24 racks/case
TT-200-CBK-HTR-S	200 µL black non-filtered tips, sterile	96 tips/rack, 24 racks/case
TT-1000-CBK-HTR	1000 µL black non-filtered tips	96 tips/rack, 16 racks/case
TT-1000-CBK-HTR-24	1000 µL black non-filtered tips (economy package)	96 tips/rack, 24 racks/case
TT-1000-CBK-HTR-S	1000 µL black non-filtered tips, sterile	96 tips/rack, 16 racks/case
TTF-1000-CBK-HTR-S	1000 µL black filtered tips, sterile	96 tips/rack, 16 racks/case





### Axygen Single-well Automation Reservoirs (ANSI/SLAS Footprint)

Cat. No.	Description	Qty/Cs
RES-SW1-LP	Reagent reservoir with 1-channel trough, low profile	25
RES-SW1-LP-SI	Reagent reservoir with 1-channel trough, low profile, sterile, individually wrapped	25
RES-SW8-HP	Reagent reservoir with 8-channel trough, high profile	25
RES-SW8-HP-S	Reagent reservoir with 8-channel trough, high profile, sterile	25
RES-SW8-HP-SI	Reagent reservoir with 8-channel trough, high profile, sterile, individually wrapped	25
RES-SW12-HP	Reagent reservoir with 12-channel trough, high profile	25
RES-SW12-HP-SI	Reagent reservoir with 12-channel trough, high profile, sterile, individually wrapped	25
RES-SW96-LP	Reagent reservoir with 96-channel trough, low profile	25
RES-SW96-LP-SI*	Reagent reservoir with 96-channel trough, low profile, sterile, individually wrapped	25
RES-SW96-HP-M*	Reagent reservoir with 96-channel trough, high profile	25
RES-SW96-HP-SI-M*	Reagent reservoir with 96-channel trough, high profile, sterile, individually wrapped	25
RES-SW384-LP	Reagent reservoir with 384-channel trough, low profile	25
RES-SW384-LP-SI	Reagent reservoir with 384-channel trough, low profile, sterile, individually wrapped	25
RES-SW384-FX	Reagent reservoir with 384-channel trough, medium profile	25
RES-SW384-FX-SI	Reagent reservoir with 384-channel trough, medium, sterile, individually wrapped	25
RES-SW384-HP-SI	Reagent reservoir with 384-channel trough, high profile, sterile, individually wrapped	25

\*Made to order. Please contact your local Corning Account Manager for more details.

### Axygen Multiple Well Automation Reservoirs (ANSI/SLAS Footprint)

Cat. No.	Description	Qty/Cs
RES-MW4-HP	Reagent reservoir with 4-channel trough, high profile	25
RES-MW8-LP	Reagent reservoir with 8-channel trough, low profile	25
RES-MW8-LP-SI	Reagent reservoir with 8-channel trough, low profile, sterile, individually wrapped	25
RES-MW8-HP	Reagent reservoir with 8-channel trough, high profile	25
RES-MW8-HP-SI	Reagent reservoir with 8-channel trough, high profile, sterile, individually wrapped	25
RES-MW12-LP	Reagent reservoir with 12-channel trough, low profile	25
RES-MW12-LP-SI	Reagent reservoir with 12-channel trough, low profile, sterile, individually wrapped	25
RES-MW12-HP	Reagent reservoir with 12-channel trough, high profile	25
RES-MW12-HP-SI	Reagent reservoir with 12-channel trough, high profile, sterile, individually wrapped	25



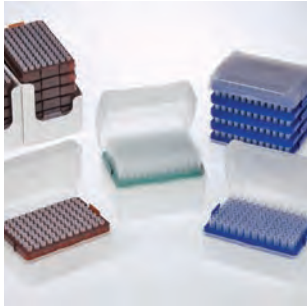
# Pipet Tips

Overview – Pipet Tips . . . . .	25
Tip Refill System. . . . .	27
Microvolume Tips. . . . .	27
Universal Fit Tips . . . . .	28
Aerosol Barrier Tips. . . . .	30
Macrovolume Tips . . . . .	31
Gel Loading Tips. . . . .	32
Gel Cutting Tips . . . . .	32
Reagent Reservoirs . . . . .	33

## Product Ordering Information

Products may not be available in all markets. For information on Purchasing Options, Terms and Conditions of Sale, Return and Repair Policies, and Warranty/Guarantee Registration, visit [www.corning.com/how-to-buy](http://www.corning.com/how-to-buy).

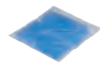
# Overview – Pipet Tips



Axygen® pipet 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.

- ▶ Universal fit tips are compatible with most research grade pipettors
- ▶ Aerosol barrier tips prevent aerosol and liquid contamination
- ▶ Universal fit and aerosol barrier tips are available in bulk, racked, and reloading formats
- ▶ Bevel delivery orifice reduces sample hang-up and improves pipetting accuracy
- ▶ Graduation marks allow a visual confirmation of the pipettor aspiration volume
- ▶ RNase-/DNase-free
- ▶ Nonpyrogenic
- ▶ Sterile and nonsterile packaging is available
- ▶ Axxygen Maximum Recovery® surface allows maximum retrieval of precious samples

## Tip Packaging Options



### Bulk Packaging

Pipet tips are available in bulk-packaged, resealable plastic bags – keeping them safe from contamination.



### Hinged Racks

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

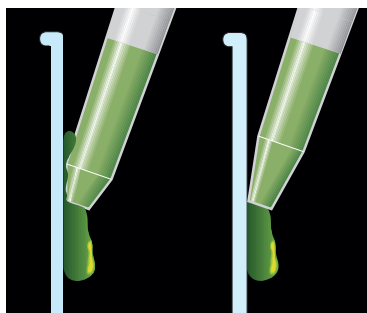


### Stack Racks

Inter-locking stack racks offer tip stability while saving valuable bench space.

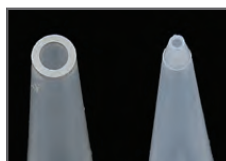
## Beveled Pipet Tips

The angle on Axxygen beveled tips reduces the surface area of the tip with the receiving vessel. This angle combined with an ultra-thin orifice reduces the effect of liquid samples creeping up the side of the tip (capillary effect). By reducing this capillary effect, Axxygen beveled tips dispense samples more accurately.



Standard bevel tip (left) has larger contact area for reduced pipettor control. Axxygen bevel tip (right) has a smaller contact area for more accurate dispensing.

## Wide Bore Pipet Tips

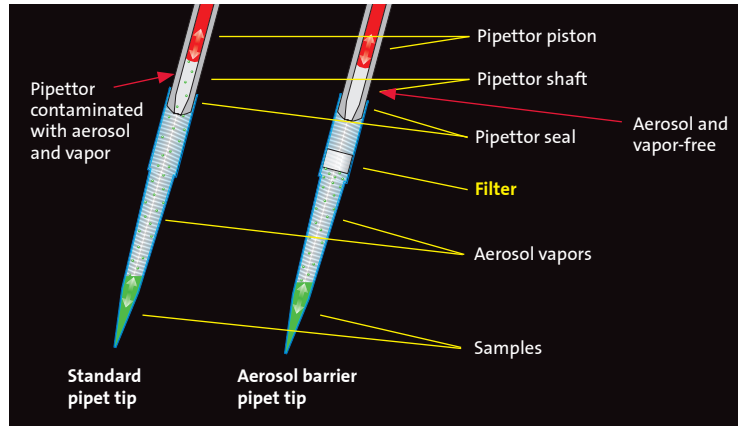


Wide bore tips are ideal for pipetting viscous materials, genomic DNA, or delicate cell cultures.

## Barrier Pipet Tips

Axygen® aerosol barrier tips are ideal for molecular and microbiology applications in which carry-over contamination can invalidate results and waste time and resources. The filter placement allows plenty of space between the sample and filter, at the maximum rated volume. In case of overpipetting, the sample can be easily recovered by dispensing.

Axygen filters are made of ultra high molecular weight (UHMW) polyethylene and contain no PCR inhibitors. All Axygen filter tips are metal-free, RNase-/DNase-free, and nonpyrogenic. They are packaged in sealed-bottom racks with lids and are available in sterile packaging.



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.

## Autoclaving Guidelines

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

- 121°C** Autoclave all plastic consumables at 121°C for 15 minutes, 15 psi/1 atm.
- 15 minutes** Do not use a dry cycle, as this may cause deformation or weakening of the plastic.
- 15 psi/1 atm** Allow temperature within the autoclave to return to at least 80°C before removing the product.

## Autoclaving Caution

Excessive exposure to autoclaving heat may cause warping or decreased structural integrity. Do not exceed autoclaving recommendations.

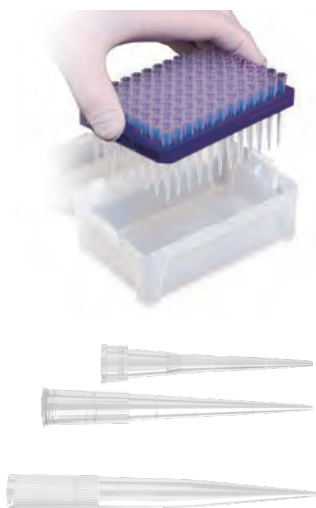
**NOTE:** Not all products are autoclavable. Please see product's respective information sheets.



## Tip Refill System

The Axygen® tip refill system contains a durable refill rack that can be easily refilled by hand and is autoclavable. These translucent racks include a color-coded insert for easy tip identification.

- ▶ Graduated 200 µL tip offers visual volume check
- ▶ Translucent rack offers tip visibility
- ▶ Tip insert “clicks” into rack for added product security
- ▶ RNase-/DNase-free
- ▶ Nonpyrogenic



Cat. No.	Tip Refill System	Volume (µL)	Tip Rack	Packaging
RFL-300-C	P2/P10 Gilson-style	10	A	96 tips/deck, 10 decks/pk, 5 pk/cs
RFL-222-C	Universal tip, graduated	200	B	96 tips/deck, 10 decks/pk, 5 pk/cs
RFL-1200-C	Universal tip, graduated	1200	C	96 tips/deck; 8 decks/pk; 6 pk/cs
RFL-R*	Empty racks/lids	–	B	10 racks/pk, 5 pk/cs
RFL-R-1200*	Empty racks/lids	–	C	10 racks/pk, 3 pk/cs

\*RFL-R is suitable for both the 10 µL and 200 µL refill inserts. RFL-R-1200 is suitable for 1200 µL refill inserts.

### Tip Racks



## Microvolume Tips

Microvolume tips are available with Axygen Maxymum Recovery® surface which improves recovery of costly samples and offers greater precision and accuracy.

- ▶ RNase-/DNase-free
- ▶ Nonpyrogenic

### 10 µL, Microvolume

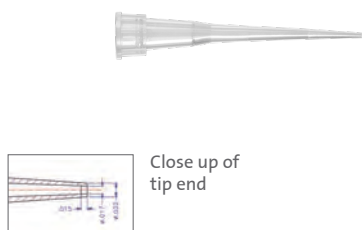
Standard Surface Cat. No.	Maxymum Recovery Surface Cat. No.	Volume (µL)	Tip Rack	Pack Type	Packaging
T-300	T-300-L	0.5 - 10	A	Bulk	1,000/pk, 20 pk/cs
T-300-R	T-300-L-R	0.5 - 10	A	Racked	96/rack, 10 racks/pk, 5 pk/cs
T-300-R-S	T-300-L-R-S	0.5 - 10	A	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs
T-300-STK	T-300-L-STK	0.5 - 10	A	Stack rack	96/rack, 5 racks/stack, 10 stacks/cs

### 10 µL, Microvolume, Extended

TXL-10	TXL-10-L	0.5 - 20	B	Bulk	1,000/pk, 20 pk/cs
TXL-10-R	TXL-10-L-R	0.5 - 20	B	Racked	96/rack, 10 racks/pk, 5 pk/cs
TXL-10-R-S	TXL-10-L-R-S	0.5 - 20	B	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs

### 20 µL, Ultra Micro

T-400	T-400-L	0.5 - 20	C	Bulk	1,000/pk, 20 pk/cs
T-400-R	T-400-L-R	0.5 - 20	C	Racked	96/rack, 10 racks/pk, 5 pk/cs
T-400-R-S	T-400-L-R-S	0.5 - 20	C	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs



Close up of tip end



Length 1.8" (4.5 cm)

Extended tip length allows easy access to narrow, deep wells



## Universal Fit Tips

Axygen® Universal fit tips are designed to fit a wide variety of single and multi-channel pipettors. They are compatible with most research grade pipettors. Tips are available with Axygen Maxymum Recovery® surface which improves recovery of costly samples and offers greater precision and accuracy.

- ▶ RNase-/DNase-free
- ▶ Human gDNA- and PCR-inhibition-free
- ▶ Nonpyrogenic

### 200 µL, Beveled



Standard Surface Cat. No.	Maxymum Recovery Surface Cat. No.	Volume (µL)	Tip Rack	Pack Type	Packaging
T-200-C	T-200-C-L	1 - 200	A	Bulk	1,000/pk, 20 pk/cs
T-200-C-R	T-200-C-L-R	1 - 200	A	Racked	96/rack, 10 racks/pk, 5 pk/cs
T-200-C-R-S	T-200-C-L-R-S	1 - 200	A	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs
T-200-C-STK	T-200-C-L-STK	1 - 200	A	Stack rack	96/rack, 5 racks/stack, 10 stacks/cs
T-200-Y	–	1 - 200	A	Bulk	1,000/pk, 20 pk/cs
T-200-Y-R	–	1 - 200	A	Racked	96/rack, 10 racks/pk, 5 pk/cs
T-200-Y-R-S	–	1 - 200	A	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs
T-200-Y-STK	–	1 - 200	A	Stack rack	96/rack, 5 racks/stack, 10 stacks/cs



Graduation marks at 10, 50, and 100 µL

### 100 µL, Eppendorf-compatible

TE-204-Y	TE-204-Y-L	1 - 200	A	Bulk	1,000/pk, 10 pk/cs
TE-204-Y-R	TE-204-Y-L-R	1 - 200	A	Racked	96/rack, 10 racks/pk, 5 pk/cs
TE-204-Y-R-S	TE-204-Y-L-R-S	1 - 200	A	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs



Graduation marks at 10, 50, and 100 µL

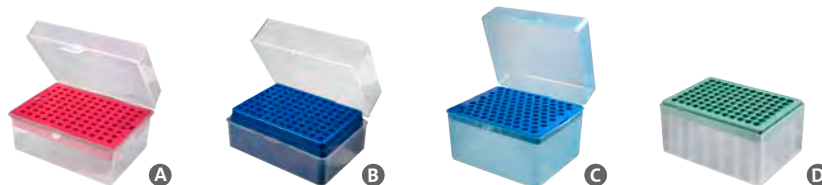
### 200 µL, Beveled, Reference-compatible



Graduation marks at 10, 50, and 100 µL

TR-222-C	TR-222-C-L	1 - 200	A	Bulk	1,000/pk, 20 pk/cs
TR-222-C-R	TR-222-C-L-R	1 - 200	A	Racked	96/rack, 10 racks/pk, 5 pk/cs
TR-222-C-R-S	TR-222-C-L-R-S	1 - 200	A	Racked	96/rack, 10 racks/pk, 5 pk/cs
TR-222-C-STK	TR-222-C-L-STK	1 - 200	A	Stack rack	96/rack, 5 racks/stack, 10 stacks/cs
R-222-Y	–	1 - 200	A	Bulk	1,000/pk, 20 pk/cs
TR-222-Y-R	–	1 - 200	A	Racked	96/rack, 10 racks/pk, 5 pk/cs
TR-222-Y-R-S	–	1 - 200	A	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs
TR-222-Y-STK	–	1 - 200	A	Stack rack	96/rack, 5 racks/stack, 10 stacks/cs

### Tip Racks



## Universal Fit Tips (continued)



Orifice size: 0.062" (1.52 mm)

### 200 $\mu$ L, Wide Bore

T-205-WB-C	–	1 - 200	A	Bulk	1,000/pk, 20 pk/cs
T-205-WB-C-R	T-205-WB-C-L-R	1 - 200	A	Racked	96/rack, 10 racks/pk, 5 pk/cs
T-205-WB-C-R-S	–	1 - 200	A	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs

### 300 $\mu$ L, Fine Point



Standard Surface Cat. No.	Maxymum Recovery <sup>®</sup> Surface Cat. No.	Volume ( $\mu$ L)	Tip Rack	Pack Type	Packaging
T-350-C	T-350-C-L	1 - 300	B	Bulk	1,000/pk, 10 pk/cs
T-350-C-R	T-350-C-L-R	1 - 300	B	Racked	96/rack, 10 racks/pk, 5 pk/cs
T-350-C-R-S	T-350-C-L-R-S	1 - 300	B	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs

### 1,000 $\mu$ L, Beveled



T-1000-C	T-1000-C-L	100 - 1000	C	Bulk	1,000/pk, 5 pk/cs
T-1000-C-R	T-1000-C-L-R	100 - 1000	C	Racked	100/rack, 10 racks/pk, 5 pk/cs
T-1000-C-R-S	T-1000-C-L-R-S	100 - 1000	C	Racked, sterile	100/rack, 10 racks/pk, 5 pk/cs
T-1000-B	–	100 - 1000	C	Bulk	1,000/pk, 5 pk/cs
T-1000-B-R	–	100 - 1000	C	Racked	100/rack, 10 racks/pk, 5 pk/cs
T-1000-B-R-S	–	100 - 1000	C	Racked, sterile	100/rack, 10 racks/pk, 5 pk/cs

### 1,000 $\mu$ L, Wide Bore



Orifice size = 0.065" (1.6 mm)

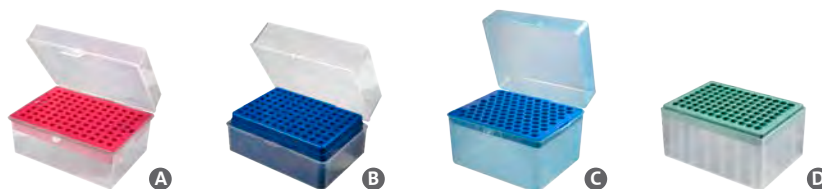
T-1005-WB-C	–	100 - 1000	C	Bulk	1,000/pk, 5 pk/cs
T-1005-WB-C-R	T-1005-WB-C-L-R	100 - 1000	C	Racked, sterile	100/rack, 10 racks/pk, 5 pk/cs
T-1005-WB-C-R-S	–	100 - 1000	C	Racked, sterile	100/rack, 10 racks/pk, 5 pk/cs

### 1,250 $\mu$ L, Beveled, Matrix-style



MTX-1250-C	–	15 - 1250	D	Bulk	500/pk, 10 pk/cs
MTX-1250-C-R	–	15 - 1250	D	Racked	96/rack, 12 racks/pk, 3 pk/cs

### Tip Racks



## Aerosol Barrier Tips

- ▶ Technologically advanced filter material allows free passage of air while blocking aerosol contamination
- ▶ Filter membrane contains no leachable additives
- ▶ Tips are available with Axygen® Maxymum Recovery® surface which improves recovery of costly samples and offers greater precision and accuracy.
- ▶ RNase-/DNase-free
- ▶ Human gDNA- and PCR-inhibition-free
- ▶ Nonpyrogenic

### Microvolume



Standard Surface Cat. No.	Maxymum Recovery Surface Cat. No.	Volume (µL)	Tip Rack	Pack Type	Packaging
TF-300	–	0.5 - 10	A	Bulk	1,000/pk, 10 pk/cs
TF-300-R-S	TF-300-L-R-S	0.5 - 10	A	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs

### Microvolume, Extended



TXLF-10	–	0.5 - 10	B	Bulk	1,000/pk, 10 pk/cs
TXLF-10-R-S	TXLF-10-L-R-S	0.5 - 10	B	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs

### Ultra Micro



TF-400	–	0.5 - 10	C	Bulk	1,000/pk, 10 pk/cs
TF-400-R-S	TF-400-L-R-S	0.5 - 10	C	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs
TF-420-R-S	TF-420-L-R-S	0.5 - 20	D	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs

### Universal



TF-20	–	0.5 - 20	D	Bulk	1,000/pk, 10 pk/cs
TF-20-R-S	TF-20-L-R-S	0.5 - 20	D	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs
TF-50	–	0.5 - 50	D	Bulk	1,000/pk, 10 pk/cs
TF-50-R-S	TF-50-L-R-S	0.5 - 50	D	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs
TF-100	–	1 - 100	D	Bulk	1,000/pk, 10 pk/cs
TF-100-R-S	TF-100-L-R-S	1 - 100	D	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs
TF-150	–	1 - 150	D	Bulk	1,000/pk, 10 pk/cs
TF-150-R-S	–	1 - 150	D	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs
TF-200	–	1 - 200	D	Bulk	1,000/pk, 10 pk/cs
TF-200-R-S	TF-200-L-R-S	1 - 200	D	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs
TF-350	–	1 - 300	B	Bulk	1,000/pk, 10 pk/cs
TF-350-R-S	TF-350-L-R-S	1 - 300	B	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs
TF-1000	–	100 - 1000	E	Bulk	1,000/pk, 5 pk/cs
TF-1000-R-S	TF-1000-L-R-S	100 - 1000	E	Racked, sterile	100/rack, 10 racks/pk, 5 pk/cs

### Beveled



TF-1200-C-R-S	TF-1200-C-L-R-S	100 - 1100	F	Racked, sterile	96/rack, 12 racks/pk, 3 pk/cs
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## Aerosol Barrier Tips (Continued)

### Wide Bore



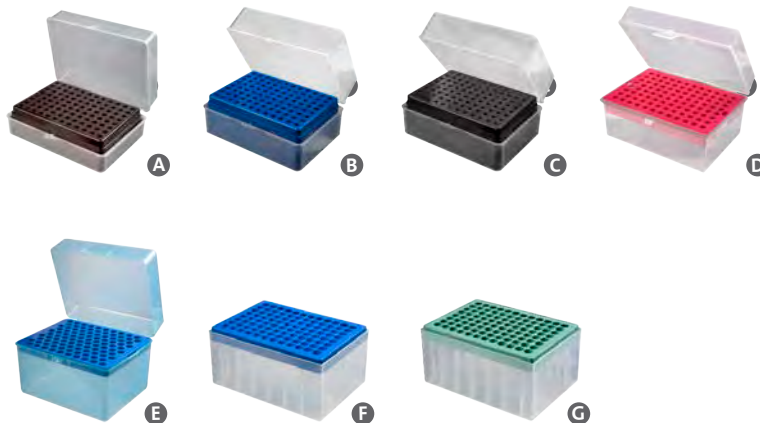
Standard Surface Cat. No.	Maximum Recovery <sup>®</sup> Surface Cat. No.	Volume (μL)	Tip Rack	Pack Type	Packaging
TF-205-WB-R-S	TF-205-WB-L-R-S	1 - 200	D	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs
TF-1005-WB-R-S	TF-1005-WB-L-R-S	100 - 1000	E	Racked, sterile	100/rack, 10 racks/pk, 5 pk/cs

### Matrix-style



MTXF-1250-C-R-S	—	15 - 1250	G	Racked, sterile	96/rack, 12 racks/pk, 3 pk/cs
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### Tip Racks



## Macrovolume Tips

### 5 mL, Macrovolume

Fits Axygen<sup>®</sup> Axypet pipettors, Corning<sup>®</sup> Lambda™ Plus pipettors, and other Gilson-style pipettors.

- ▶ RNase-/DNase-free
- ▶ Nonpyrogenic



Graduation marks at 0.5 mL and 1 mL increments

Cat. No.	Volume (μL)	Pack Type	Packaging
T-5000-C	1 - 5	Bulk	250/pk, 10 pk/cs

### 10 mL, Macrovolume

Fits most research grade pipettors.



Cat. No.	Volume (μL)	Pack Type	Packaging
T-10ML-C	1 - 10	Bulk	200/pk, 10 pk/cs

## Gel Loading Tips

Axygen® gel loading tips are designed for easy loading of samples on gels. The tips fit a wide variety of single- and multi-channel pipettors. Tips are available in flat and round formats with outer diameter dimensions for specific gel thicknesses.

- ▶ 0.37 mm outer diameter tips are for use with 0.4 mm gels.
- ▶ 0.17 mm outer diameter tips are for use with 0.2 mm gels.
- ▶ RNase-/DNase-free
- ▶ Human gDNA- and PCR-inhibition-free
- ▶ Nonpyrogenic

### 10 µL, Flat



Maxymum Recovery Surface Cat. No.	Volume (µL)	Tip Rack	Outer Diameter (mm)	Pack Type	Packaging
TGL-10FT-17-R	10	A	0.17	Racked	200/rack, 2 racks/cs

### 200 µL, Ultra Micro, Flat



TGL-200FT-37-R	200	B	0.37	Racked	200/rack, 2 racks/cs
TGL-200FT-37-R-S	200	B	0.37	Racked, sterile	200/rack, 2 racks/cs

### 200 µL, Ultra Micro, Round



TGL-200RD-57-R	200	C	0.57	Racked	200/rack, 2 racks/cs
TGL-200RD-57-R-S	200	C	0.57	Racked, sterile	200/rack, 2 racks/cs

#### Tip Racks



## Gel Cutting Tips

Axygen Gel cutting tips are designed to remove DNA/RNA bands from agarose gel.

- ▶ RNase-/DNase-free
- ▶ Nonpyrogenic



Cat. No.	Outer Dimensions (mm)	Pack Type	Packaging
TGL-1140	1.1 x 4	Bulk	250/pk, 10 pk/cs
TGL-1140-R	1.1 x 4	Racked	48/rack, 10 racks/pk, 5 pk/cs
TGL-1165	1.1 x 6.5	Bulk	250/pk, 10 pk/cs
TGL-1165-R	1.1 x 6.5	Racked	48/rack, 10 racks/pk, 5 pk/cs

#### Tip Rack



## Axygen® Disposable Reagent Reservoirs

Axygen disposable reservoirs are designed to accommodate all multi-channel pipettors. Four corners and a sharp V-bottom shape ensure maximum sample retrieval. All reservoirs are white.

- ▶ RNase-/DNase-free
- ▶ Nonpyrogenic



Cat. No.	Description	Packaging
RES-2CV-25	25 mL disposable reagent reservoir, divided	100/cs
RES-2CV-25-S	25 mL disposable reagent reservoir, divided, sterile	5/pk, 40 pk/cs
RES-2CV-25-SI	25 mL disposable reagent reservoir, divided, individually wrapped, sterile	1/pk, 100/cs
RES-V-25	25 mL disposable reagent reservoir	100/cs
RES-V-25-S	25 mL disposable reagent reservoir, sterile	5/pk, 40 pk/cs
RES-V-25-SI	25 mL disposable reagent reservoir, individually wrapped, sterile	1/pk, 100/cs
RES-V-50	50 mL disposable reagent reservoir	100/cs
RES-V-50-S	50 mL disposable reagent reservoir, divided, sterile	5/pk, 40 pk/cs
RES-V-50-SI	25 mL disposable reagent reservoir, divided, individually wrapped, sterile	1/pk, 100/cs
RES-V-100	100 mL disposable reagent reservoir	100/cs
RES-V-100-S	100 mL disposable reagent reservoir, divided, sterile	5/pk, 40 pk/cs
RES-V-100-SI	100 mL disposable reagent reservoir, divided, individually wrapped, sterile	1/pk, 100/cs



## PCR Consumables

Overview – PCR Consumables . . . . .	35
Automation-compatible PCR Microplates . . . . .	36
96-well PCR Microplates and Sealing Mats . . . . .	36
384-well PCR Microplates and Sealing Mats . . . . .	39
24-, 32-, and 48-well PCR Plates . . . . .	41
Capillary Sequencing Products . . . . .	41
PCR Tubes . . . . .	41
PCR Tube Storage Rack . . . . .	41
PCR Strip Tubes and Caps . . . . .	42
PCR Microplates Compatibility Charts . . . . .	43

### Product Ordering Information

Products may not be available in all markets. For information on Purchasing Options, Terms and Conditions of Sale, Return and Repair Policies, and Warranty/Guarantee Registration, visit [www.corning.com/how-to-buy](http://www.corning.com/how-to-buy).

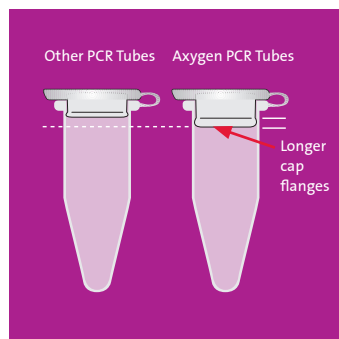
# Overview – PCR Consumables



Corning's extensive line of Axygen® PCR products are specifically designed for use within standard, gradient, and real-time PCR applications. A wide variety of sizes, configurations, and colors help researchers organize this multi-step process.

Axygen PCR products offer ultra-thin and consistent wall thickness which allows for precise thermal transfer along the entire surface of the tube. The unique cap design ensures a perfect fit to reduce sample evaporation during thermal cycling. Our tubes and microplates are manufactured using high-end polished molds and are free from endonucleases, pyrogens, lubricants, dyes, heavy metals, and fillers.

- ▶ Available in a wide variety of sizes, configurations, and colors
- ▶ 0.2 mL and 0.5 mL tubes and PCR microplates fit most popular thermal cyclers (see Compatibility Chart)
- ▶ Ultra-thin and consistent wall thickness allows for precise thermal transfer, leading to shorter cycle times and more consistent results
- ▶ Available with domed caps for efficient heat transfer from the thermal cycler's lid or flat cap for easy piercing and labeling
- ▶ Unique cap design reduces sample evaporation
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Bar coding is available on selected skirt microplates



## 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. PCR tubes with a short cap 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 reduces sample evaporation.

Axygen products are manufactured in a ISO 13485 certified facility and are RNase-/DNase-free, human gDNA-free, and nonpyrogenic.

For more information about plate sealing see Sealing Solutions Section.



### Automation-compatible PCR Microplates

A unique, one material automation-compatible PCR microplate that sustains flatness post-thermal cycling, has raised-angled rims for improved sealing, and has grid lines for better sample traceability.

- ▶ Rigid frame with a split in frame relieves stress during thermal cycling
- ▶ Clear and ultra-thin walls provide even heat transfer
- ▶ Grid improves support and rigidity
- ▶ Sealing options: Axygen® AxyMat, adhesive films, flat and domed cap strips
- ▶ Compatible with most popular thermal cyclers, liquid handlers, and sequencers (Applied Biosystems, BioRad, Eppendorf, Beckman, Hamilton, Tecan, Agilent, PerkinElmer). See Compatibility Chart for more details.

### Half Skirt, Automation-compatible

Cat. No.	Description	Volume (μL)	Packaging
PCR-96-HS-AC-C	96-well half skirt, automation-compatible, clear, nonsterile	200	10/pk, 5 pk/cs
AM-96-PCR-RD	96-well PCR plate sealing mat	–	10/pk, 5 pk/cs
UC-500	UltraClear film, pressure sensitive	–	100/pk, 5 pk/cs

### 96-well PCR Microplates and Sealing Mats

Axygen 96-well PCR microplates are designed to fit standard 96-wellblocks. The consistent and ultra-thin wall allows precise thermal transfer for optimum results. Microplates can be sealed with 8- or 12-strip caps, Axygen AxyMat sealing mats, or sealing film.

#### Compatible with Eppendorf Master Cycler

- ▶ Thin wall well bottom
- ▶ Volume to brim of well: 210 μL; working volume: 180 μL; volume with Axygen AxyMat: 100 μL
- ▶ Maximum G-force: 4,000 RCF
- ▶ Sealing options: Axygen AxyMat, heat sealing, adhesive films and foils, flat and domed cap strips

Cat. No.	Description	Volume (μL)	Color	Packaging
PCR-96-LP-FLT-C	96-well, no skirt, low profile	100	Clear	5/sleeve, 5 sleeves/pk, 4 pk/cs
PCR-96-LP-FLT-W	96-well, no skirt, low profile	100	White	5/sleeve, 5 sleeves/pk, 4 pk/cs
AM-96-PCR-RD	96-well PCR sealing mat	–	–	10/pk, 5 pk/cs



#### Compatible with Agilent MX series, Applied Biosystems Genetic Analyzer

- ▶ Clear, thin wall well bottom
- ▶ Volume to brim of well: 350 μL; working volume: 300 μL; volume with Axygen AxyMat: 240 μL
- ▶ Maximum G-force: 4,000 RCF
- ▶ Sealing options: Axygen AxyMat, heat sealing, adhesive films and foils, flat and domed cap strips

Cat. No.	Description	Volume (μL)	Color	Packaging
PCR-96-C	96-well, no skirt	200	Clear	10/pk, 5 pk/cs
PCR-96-MB-C	96-well, no skirt, elevated wells	200	Clear	10/pk, 5 pk/cs
AM-96-PCR-RD	96-well PCR sealing mat	–	–	10/pk, 5 pk/cs



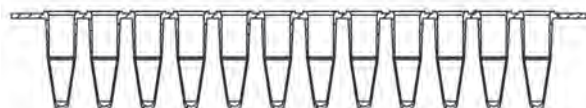
## 96-well PCR Microplates and Sealing Mats (Continued)



**Compatible with Most Endpoint and Real-time PCR Systems (see Compatibility Chart for more details)**

- ▶ Clear, thin wall well bottom
- ▶ Volume to brim of well: 330  $\mu$ L; working volume: 300  $\mu$ L; volume with Axygen AxyMat: 270  $\mu$ L
- ▶ Maximum G-force: 4,000 RCF
- ▶ Sealing options: Axygen® AxyMat, heat sealing, adhesive films and foils, flat and domed cap strips

Cat. No.	Description	Volume ( $\mu$ L)	Color	Packaging
PCR-96-FLT-C	96-well, no skirt, flat top	200	Clear	5/sleeve, 5 sleeves/pk, 4 pk/cs
AM-96-PCR-RD	96-well PCR sealing mat	–	–	10/pk, 5 pk/cs



**Compatible with Most of Fast or Low Profile Thermal Cycler Systems (see Compatibility Chart for more details)**

- ▶ Optimized for Fast PCR
- ▶ Reduced volume minimizes potential evaporation
- ▶ Volume to brim of well: 240  $\mu$ L; working volume: 200  $\mu$ L; volume with Axygen AxyMat: 140  $\mu$ L
- ▶ Maximum G-force: 4,000 RCF
- ▶ Sealing options: Axygen AxyMat, heat sealing, adhesive films and foils, flat and domed cap strips



Cat. No.	Description	Volume ( $\mu$ L)	Color	Packaging
PCR-96-LP-AB-C	96-well, half skirt, low profile	100	Clear	5/sleeve, 5 sleeves/pk, 4 pk/cs
PCR-96-LP-AB-C-BC	96-well, half skirt, low profile, bar coded	100	Clear	5/sleeve, 5 sleeves/pk, 4 pk/cs
PCR-96-LP-AB-W	96-well, half skirt, low profile	100	White	5/sleeve, 5 sleeves/pk, 4 pk/cs
AM-96-PCR-RD	96-well PCR sealing mat	–	–	10/pk, 5 pk/cs

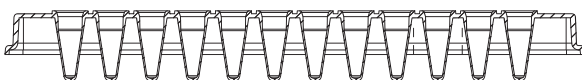


**Compatible with Roche 480 LightCycler®**

- ▶ Cut-away notches for perfect plate positioning
- ▶ Consistently thin walls for reduced cycle times and reproducible results
- ▶ Optional bar coding
- ▶ Volume to brim of well: 210  $\mu$ L; working volume: 190  $\mu$ L; volume with UC-500: 120  $\mu$ L
- ▶ Maximum G-force: 4,000 RCF
- ▶ Sealing option: Adhesive films



Cat. No.	Description	Volume ( $\mu$ L)	Color	Packaging
PCR-96-LC480-C-NF	96-well, half skirt, no sealing film	100	Clear	10/pk, 5 pk/cs
PCR-96-LC480-W	96-well, half skirt, with sealing film	100	White	10/pk, 5 pk/cs
PCR-96-LC480-W-BC	96-well, half skirt, bar coded, with sealing film	100	White	10/pk, 5 pk/cs
PCR-96-LC480-W-NF	96-well, half skirt, no sealing film	100	White	10/pk, 5 pk/cs
UC-500	UltraClear film, pressure sensitive	–	–	100/pk, 5 pk/cs

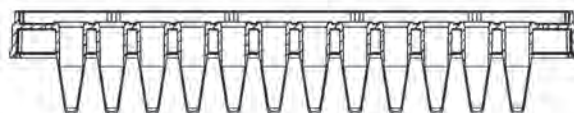


## 96-well PCR Microplates and Sealing Mats (Continued)

Compatible with Most Applied Biosystem Thermal Cyclers and Genetic Analyzers  
(See Compatibility Chart for more details)

- Single notch corner
- Volume to brim of well: 335  $\mu$ L; working volume: 300  $\mu$ L; volume with Axygen AxyMat: 260  $\mu$ L
- Maximum G-force: 4,000 RCF
- Sealing Options: Axygen® AxyMat, heat sealing, adhesive films and foils, flat and domed cap strips

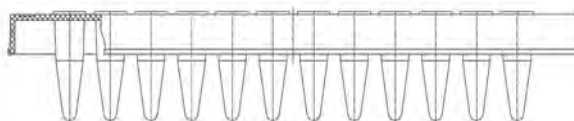
Cat. No.	Description	Volume ( $\mu$ L)	Color	Packaging
PCR-96-AB-C	96-well, half skirt, elevated frame	200	Clear	10/pk, 5 pk/cs
AM-96-PCR-RD	96-well PCR sealing mat	–	–	10/pk, 5 pk/cs



### Half Skirt, Single Notch

- Clear, thin wall well bottom
- Compatibility: Standard thermal sequence cyclers, ABI PCR 2720, 9700, 7300, 7500, 7900, and ABI sequencing units (see Compatibility Chart for more details)
- Volume to brim of well: 340  $\mu$ L, working volume: 300  $\mu$ L, volume with Axygen AxyMat: 230  $\mu$ L
- Maximum G-force: 4,000 RCF
- Sealing options: Axygen AxyMat, heat sealing, adhesive films and foils, flat and domed cap strips

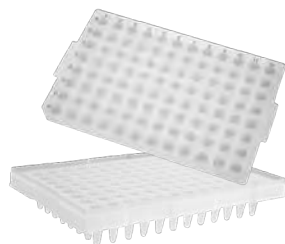
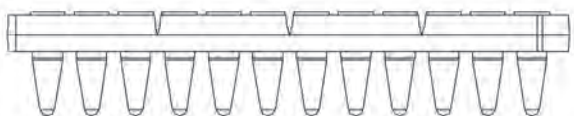
Cat. No.	Description	Volume ( $\mu$ L)	Color	Packaging
PCR-96M2-HS-C	96-well, half skirt, single notch corner	200	Clear	10/pk, 5 pk/cs
PCR-96-HS-C	96-well, half skirt	200	Clear	10/pk, 5 pk/cs
AM-96-PCR-RD	96-well PCR sealing mat	–	Clear	10/pk, 5 pk/cs



### Half Skirt, Segmented

- Compatibility: Standard thermal sequence cyclers
- Volume to brim of well: 340  $\mu$ L, working volume: 280  $\mu$ L, volume with Axygen AxyMat: 240  $\mu$ L
- Sealing options: Axygen AxyMat, heat sealing, adhesive films and foils, flat and domed cap strips
- Maximum G-force: 4,000 RCF

Cat. No.	Description	Volume ( $\mu$ L)	Color	Packaging
PCR-96-SG-C	96-well, half skirt, segmented	200	Clear	10/pk, 5 pk/cs
AM-96-PCR-RD	96-well PCR sealing mat	–	–	10/pk, 5 pk/cs





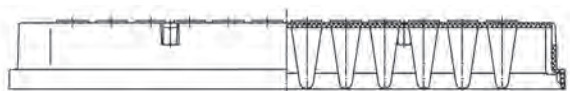
## 96-well PCR Microplates and Sealing Mats (Continued)



### Full Skirt, Single Notch

- ▶ Single notch corner
- ▶ Clear, thin wall well bottom
- ▶ Stackable, automation-compatible design
- ▶ Compatibility: Standard thermal sequence cyclers (see Compatibility Chart for more details)
- ▶ Volume to brim of well: 220  $\mu\text{L}$ , working volume: 190  $\mu\text{L}$ , volume with Axygen® AxyMat: 120  $\mu\text{L}$
- ▶ Maximum G-force: 4,000 RCF
- ▶ Sealing options: Axygen AxyMat, heat sealing, adhesive films and foils, flat and domed cap strips

Cat. No.	Description	Volume ( $\mu\text{L}$ )	Color	Packaging
PCR-96-FS-C	96-well, full skirt, single notch corner	200	Clear	10/pk, 5 pk/cs
AM-96-PCR-RD	96-well PCR sealing mat	–	–	10/pk, 5 pk/cs



## 384-well PCR Microplates and Sealing Mats

Axygen 384-well PCR microplates are designed to fit standard 384-well, 0.2 mL thermal cycler blocks. The consistent and ultra-thin wall allows precise thermal transfer for optimum results. Automation-compatible full skirt designs can be sealed with Axygen AxyMat sealing mats or sealing film.

### Full Skirt, Compatible with Roche 480 LightCycler®

- ▶ Cut-away notches for perfect plate positioning
- ▶ Consistently thin walls for reduced cycle times and reproducible results
- ▶ Optional bar coding
- ▶ Volume to brim of well: 50  $\mu\text{L}$ , working volume: 45  $\mu\text{L}$ , volume with Axygen AxyMat: 35  $\mu\text{L}$
- ▶ Maximum G-force: 4,000 RCF
- ▶ Sealing options: Adhesive films and foils



Cat. No.	Description	Volume ( $\mu\text{L}$ )	Color	Packaging
PCR-384-LC480-W	384-well, full skirt, with sealing film	20	White	10/pk, 5 pk/cs
PCR-384-LC480-W-NF	384-well, full skirt, no sealing film	20	White	10/pk, 5 pk/cs
PCR-384-LC480-W-NF-BC	384-well, full skirt, bar coded, no sealing film	20	White	10/pk, 5 pk/cs
UC-500	UltraClear film, pressure sensitive	–	–	100/pk, 5 pk/cs

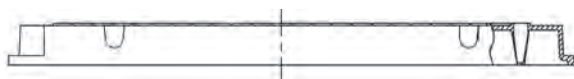


## 384-well PCR Microplates and Sealing Mats (Continued)

### Full Skirt, Double Notched

- ▶ Notches on A24 and P24 side
- ▶ Automation-compatible design
- ▶ Application/Compatibility: Standard thermal cycling (see Compatibility Chart for more details)
- ▶ Volume to brim of well: 50  $\mu\text{L}$ , working volume: 45  $\mu\text{L}$ , volume with Axygen® AxyMat: 35  $\mu\text{L}$
- ▶ Maximum G-force: 4,000 RCF
- ▶ Sealing options: Axygen AxyMat, heat sealing, adhesive films and foils

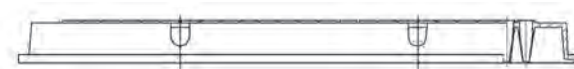
Cat. No.	Description	Volume ( $\mu\text{L}$ )	Color	Packaging
PCR-384-C	384-well, full skirt, double notched	50	Clear	10/pk, 5 pk/cs
AM-384-PCR-RD	384-well PCR sealing mat	–	–	10/pk, 5 pk/cs



### Full Skirt, Single Notched

- ▶ Notch on A24 side
- ▶ Automation-compatible design
- ▶ Application/Compatibility: Standard thermal cycling, fully ABI compatible for qPCR and sequencing (see Compatibility Chart for more details)
- ▶ Volume to brim of well: 50  $\mu\text{L}$ , working volume: 45  $\mu\text{L}$ , volume with Axygen AxyMat: 35  $\mu\text{L}$
- ▶ Maximum G-force: 4,000 RCF
- ▶ Sealing options: Axygen AxyMat, heat sealing, adhesive films and foils

Cat. No.	Description	Volume ( $\mu\text{L}$ )	Color	Packaging
PCR-384M2-C	384-well, full skirt	55	Clear	10/pk, 5 pk/cs
AM-384-PCR-RD	384-well PCR sealing mat	–	–	10/pk, 5 pk/cs



### Full Skirt, Single Notched, Rigid

- ▶ Notch on A24 side
- ▶ Automation-compatible design
- ▶ Application/Compatibility: Standard thermal cycling, ABI sequencing, automation applications (see Compatibility Chart for more details)
- ▶ Volume to brim of well: 42  $\mu\text{L}$ , working volume: 35  $\mu\text{L}$ , volume with Axygen AxyMat: 30  $\mu\text{L}$
- ▶ Maximum G-force: 4,000 RCF
- ▶ Sealing options: Axygen AxyMat, heat sealing, adhesive films and foils

Cat. No.	Description	Volume ( $\mu\text{L}$ )	Color	Packaging
PCR-384-RGD-C	384-well full skirt, single notched	50	Clear	10/bag, 2 bags/pk, 5 pk/cs
AM-384-PCR-RD	384-well PCR sealing mat	–	–	10/pk, 5 pk/cs



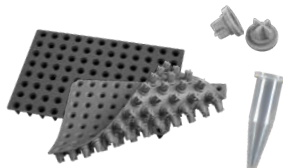
## 24-, 32-, and 48-well PCR Plates



- ▶ Volume to brim of well: 350  $\mu$ L
- ▶ Working volume: 300  $\mu$ L
- ▶ Volume with Axygen® AxyMat: 240  $\mu$ L

Cat. No.	Description	Volume ( $\mu$ L)	Color	Packaging
PCR-24-C	24-well plate	200	Clear	10/pk, 5 pk/cs
PCR-32-C	32-well plate	200	Clear	10/pk, 5 pk/cs
PCR-48-C	48-well plate	200	Clear	10/pk, 5 pk/cs

## Capillary Sequencing Products



Cat. No.	Description	Volume ( $\mu$ L)	Color	Packaging
TUB-310-NC	Capless tube for ABI Prism® 310 sequencer	0.5	Clear	500/pk, 5 pk/cs
AM-SEPTA-310	Individual Septa caps for 0.5 mL ABI Prism 310 sequencer tubes	–	Grey	500/pk, 5 pk/cs
AM-96-SEPTA-3100	Septa mat for ABI multi-capillary sequencing instruments	–	Grey	10/pk, 5 pk/cs

## PCR Tubes



Axygen polypropylene, thin wall PCR tubes with and without caps are designed to fit standard 96-well blocks and are available in an assortment of colors. The consistent and ultra-thin wall allows precise thermal transfer. An even insertion cap ensures a tight fit to reduce evaporation. Available with Axygen Maxym Recovery® surface.

Standard Surface Cat. No.	Maxym Recovery Surface Cat. No.	Description	Volume ( $\mu$ L)	Color	Packaging
PCR-02-C	PCR-02-L-C	Thin wall, flat cap	0.2	Clear	1,000/pk, 10 pk/cs
PCR-02-A	–	Thin wall, flat cap	0.2	Assorted	1,000/pk, 10 pk/cs
PCR-02D-C	PCR-02D-L-C	Thin wall, domed cap	0.2	Clear	1,000/pk, 10 pk/cs
PCR-02D-A	–	Thin wall, domed cap	0.2	Assorted	1,000/pk, 10 pk/cs
PCR-02-NC	–	Thin wall, without cap	0.2	Clear	1,000/pk, 10 pk/cs
PCR-05-C	PCR-05-L-C	Thin wall, flat cap	0.5	Clear	1,000/pk, 10 pk/cs
PCR-05-A	–	Thin wall, flat cap	0.5	Assorted	1,000/pk, 10 pk/cs

For color availability, contact Customer Service.



## PCR Tube Storage Rack

Cat. No.	Description	Color	Packaging
R-96-PCR-FY	PCR storage rack for 0.2 mL tubes	Fluorescent yellow	5/pk, 5 pk/cs

## PCR Strip Tubes and Caps

Axygen® thin wall PCR strip tubes are designed to fit a variety of thermal cyclers. The consistent and ultra-thin wall allows precise thermal transfer. An even insertion cap ensures a tight fit to reduce evaporation. Strip tubes are available in an assortment of colors.

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 microplates.



Cat. No.	Max. Volume (µL)	Color	Description	Packaging
PCR-02CP-C	–	MaxyClear	Domed 8-strip caps	125/pk, 10 pk/cs
PCR-02-FCP-C	–	MaxyClear	Flat 8-strip caps with writing surface	125/pk, 10 pk/cs
PCR-2CP-RT-C	–	MaxyClear	Thin wall 8-strip caps for qPCR	125/pk, 10 pk/cs
PCR-0208-C	0.2	MaxyClear	Thin wall PCR 8-strip tubes	125/pk, 10 pk/cs
PCR-0208-CP-C	0.2	MaxyClear	Thin wall PCR 8-strip tubes and domed strip caps	125/pk, 10 pk/cs
PCR-0208-FCP-C	0.2	MaxyClear	Thin wall PCR 8-strip tubes and flat strip caps	125/pk, 10 pk/cs
PCR-0212-C	0.2	Clear	Thin wall 12-strip tubes	80/pk, 10 pk/cs
PCR-0212-FCP-C	0.2	Clear	Thin wall PCR 12-strip tubes and flat strip caps	80/pk, 10 pk/cs
PCR-0108-LP-C	0.1	MaxyClear	Low profile 8-strip tubes	125/pk, 10 pk/cs
PCR-0108-LP-W	0.1	White	Low profile 8-strip tubes	125/pk, 10 pk/cs
PCR-0108-LP-RT-C	0.1	MaxyClear	Low profile 8-strip tubes and real-time caps	125/pk, 10 pk/cs
PCR-0108-LP-RT-W	0.1	White	Low profile 8-strip tubes and real-time caps	125/pk, 10 pk/cs
PCR-0208-AF-C	0.2	Clear	Thin wall 8-strip PCR tubes with attached flat caps	126/pk, 10 pk/cs
PCR-0208-AD-C	0.2	Clear	Thin wall 8-strip PCR tubes with attached domed caps	126/pk, 10 pk/cs

# PCR Microplates Compatibility Charts

		PCR Microplate															PCR Strip/ Individual Tube				
		Coming Cat. No.	Profile	Skirt																	
		PCR-96-LP-FLT-C	96 x 0.1mL	No Skirt																	
		PCR-96-LP-AB-C	96 x 0.1mL	Half skirt																	
		PCR-96-FLT-C	96 x 0.2 mL	No skirt																	
		PCR-96-C	96 x 0.2 mL	No skirt																	
		PCR-96-MB-C	96 x 0.2 mL	No skirt																	
		PCR-96-SG-C	96 x 0.2 mL	Half skirt																	
		PCR-96M2-HS-C	96 x 0.2 mL	Half skirt																	
		PCR-96-HS-AC-C	96 x 0.2 mL	Half skirt																	
		PCR-96-HS-C	96 x 0.2 mL	Half skirt																	
		PCR-96-AB-C	96 x 0.2 mL	Half skirt																	
		PCR-96-F5-C	96 x 0.2 mL	Full skirt																	
		PCR-96-LC480-W-NF	96 x 0.2 mL	Half skirt																	
		PCR-384-C	96 x 0.02 mL	Full skirt																	
		PCR-384M2-C	96 x 0.02 mL	Full skirt																	
		PCR-384-RGD-C	96 x 0.02 mL	Full skirt																	
		PCR-384-LC480-W-NF	96 x 0.02 mL	Half skirt																	
		PCR-0108-LP-C	96 x 0.1mL	No Skirt																	
		PCR-0108-LP-RT-C	96 x 0.1mL	No Skirt																	
		PCR-0208-C	96 x 0.2 mL	No Skirt																	
		PCR-0212-C	96 x 0.2 mL	No Skirt																	
		PCR-02-C	96 x 0.2 mL	No Skirt																	

Endpoint PCR Thermal Cyclers																				
Coming																				
Coming	Axygen® MaxyGene II	■		■					■	■	■		■							
Applied Biosystems	Veriti™ (96-well, 100 µL)	■*	■*																■	■
	Veriti/VeritiPro™ (96-well, 200 µL)			■	■	■	■		■	■	■	■							■	■
	2720 (96-well, 200 µL)			■	■	■	■		■	■	■	■							■	■
	9700 (96-well, 200 µL)			■	■	■	■		■	■	■	■							■	■
	9700, ProFlex, Veriti, VeritiPro (384-well)															■	■	■		
	ProFlex™ (96-well, 200 µL)			■					■	■	■	■							■	■
	SimpliAmp™ (96-well, 200 µL)			■	■	■	■		■	■	■	■								
	MiniAmp™/MiniAmp Plus (96-well, 200 µL)			■	■	■	■		■	■	■	■								
Eppendorf	MasterCycler® ep gradient/ep gradient S	■	■	■	■				■	■	■		■						■	■
	MasterCycler pro/pro S	■	■	■	■				■	■	■		■						■	■
	MasterCycler nexus GSX1/GSX1e/SX1/SX1e	■	■	■	■				■	■	■		■						■	■
	MasterCycler nexus/nexus eco/nexus gradient/nexus gradient eco	■	■	■	■				■	■	■		■						■	■
	MasterCycler X50s/X50i, X50a/X50l	■	■	■	■				■	■	■		■						■	■
	MasterCycler X50p/X50r	■	■	■	■				■	■	■		■						■	■
	MasterCycler nexus GX2/GX2e/X2/X2e	■	■	■	■				■	■	■		■						■	■
	MasterCycler M384															■	■	■		
Bio-Rad/MJ Research	C1,000™ Touch™			■	■			■	■	■	■		■		■	■	■		■	■
	S1,000™ (384-well)			■	■			■	■	■	■		■		■	■	■		■	■
	T100™			■	■			■	■	■	■		■		■	■	■		■	■
Agilent	SureCycler® 8800	■		■	■				■	■	■		■		■	■	■		■	■
Corbett	Palm-Cycler™ 384														■	■	■			
	Palm-Cycler 96			■	■				■	■	■		■						■	■
Ericomp	DeltaCycler I	■		■	■			■	■	■	■								■	■
	Single/Twin Block	■		■	■				■	■	■								■	■

\*Compatible with ABI® Fast PCR only.



## PCR Microplates Compatibility Charts (Continued)

		PCR Microplate													PCR Strip/ Individual Tube					
		Coming Cat. No.	Profile	Skirt																
		PCR-96-LP-FLT-C	96 x 0.1mL	No Skirt																
		PCR-96-LP-AB-C	96 x 0.1mL	Half skirt																
		PCR-96-FLT-C	96 x 0.2 mL	No skirt																
		PCR-96-C	96 x 0.2 mL	No skirt																
		PCR-96-MB-C	96 x 0.2 mL	No skirt																
		PCR-96-SG-C	96 x 0.2 mL	Half skirt																
		PCR-96M2-HS-C	96 x 0.2 mL	Half skirt																
		PCR-96-HS-AC-C	96 x 0.2 mL	Half skirt																
		PCR-96-HS-C	96 x 0.2 mL	Half skirt																
		PCR-96-AB-C	96 x 0.2 mL	Half skirt																
		PCR-96-FS-C	96 x 0.2 mL	Full skirt																
		PCR-96-LC480-W-NF	96 x 0.2 mL	Half skirt																
		PCR-384-C	96 x 0.02 mL	Full skirt																
		PCR-384M2-C	96 x 0.02 mL	Full skirt																
		PCR-384-RGD-C	96 x 0.02 mL	Full skirt																
		PCR-384-LC480-W-NF	96 x 0.02 mL	Half skirt																
		PCR-0108-LP-C	96 x 0.1mL	No Skirt																
		PCR-0108-LP-RT-C	96 x 0.1mL	No Skirt																
		PCR-0208-C	96 x 0.2 mL	No Skirt																
		PCR-0212-C	96 x 0.2 mL	No Skirt																
		PCR-02-C	96 x 0.2 mL	No Skirt																
Real-time PCR Systems																				
Applied Biosystems	StepOnePlus™ (96-well, 100 µL)	■	■																	
	7500 Fast (96-well, 100 µL)																			
	QuantStudio 3, 5, 6, 6 Pro, 7, 7 Pro, 12K, ViiA 7 (96-well, 100 µL)	■	■																	
	7900 HS (96-well, 100 µL)																			
	7000/7300/7500 (96-well, 200 µL)			■															■	■
Bio-Rad/ MJ Research	CFX Connect™	■	■	■																
	CFX96™ Touch	■	■	■																
	iQ™5			■	■														■	■
	MyiQ™			■	■															■
Eppendorf	MasterCycler® ep realplex/ep realplex S			■	■														■	■
Roche	LightCycler® 480																		■	■
Analytik Jena/ Biometra	qTOWER			■	■															■
	SpeedCycler <sup>+</sup>			■	■															■
	TOptical			■	■															■
PeqLab	peqSTAR 96Q			■															■	■
Agilent	Mx3000P®/Mx3005P®/Mx4000®			■																■
	PrimeQ			■																■
Techne	Quantica®			■																■
Qiagen	Rotor-Gene® Q																			■
Genetic Analyzers																				
Applied Biosystems	3130/31330 xl, 3500/3500xl, 3730/3730xl, 3730/3730x			■	■															

\*Compatible with ABI® Fast PCR only.



# Storage

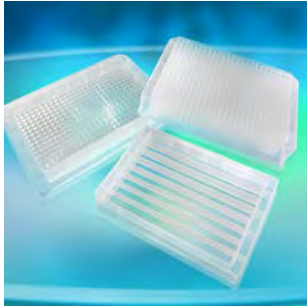
Overview – Storage. . . . .	47
Assay Plates and Deep Well Microplates . . . . .	48
Compound Library Storage – Mini Tube System (MTS). . . . .	50
Microcentrifuge Tube Storage Boxes . . . . .	51
Microcentrifuge Tube Support Rack . . . . .	51

## Product Ordering Information

Products may not be available in all markets. For information on Purchasing Options, Terms and Conditions of Sale, Return and Repair Policies, and Warranty/Guarantee Registration, visit [www.corning.com/how-to-buy](http://www.corning.com/how-to-buy).



# Overview – Storage



Axygen products are manufactured in a clean, controlled “state of the art” facility and are RNase-/DNase-/human gDNA-free and nonpyrogenic.

## Corning’s Extensive Line of Axygen® Storage Products

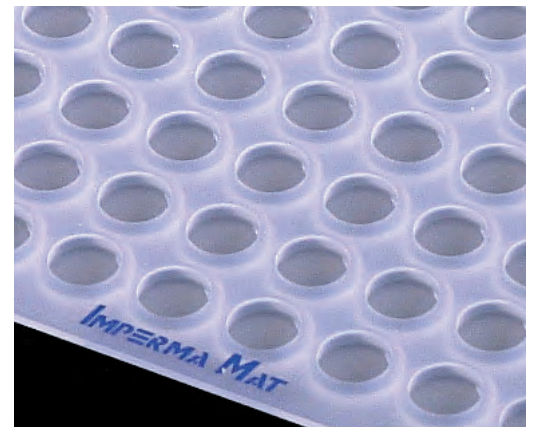
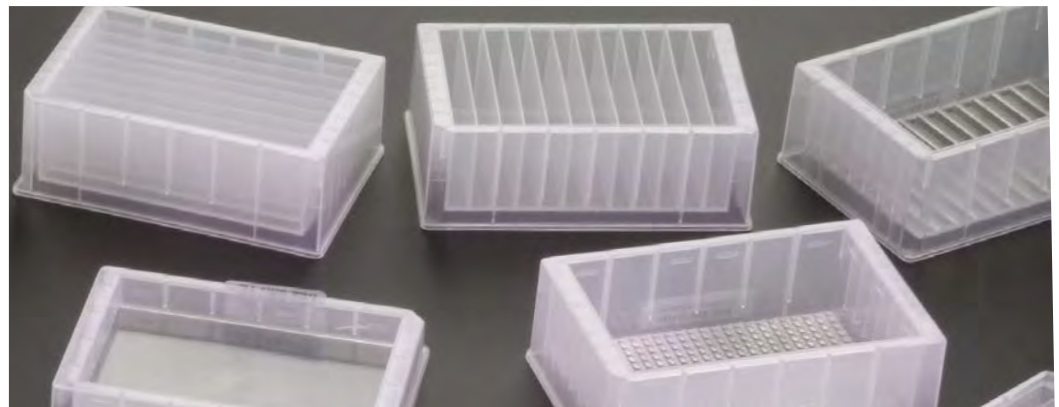
Automation has greatly streamlined many standard lab tasks, including liquid handling and sample manipulation. However, these same methods have also increased the need for precisely engineered and consistently manufactured lab consumables. Count on Corning to be at the forefront of new product R&D and manufacturing improvements, ensuring your complete satisfaction with every item.

**Assay Plates and Deep Well Microplates** are used for sample collection, *in vitro* growth chambers and long-term storage. Made of polypropylene, they offer excellent chemical resistance and will withstand temperatures down to -80°C.

**Single Well and Multiple Well Reservoirs** are a complete line of reagent vessels in numerous formats for automated and manual applications. All are designed with standard ANSI/SLAS footprint dimensions for microplates for compatibility with most automation workstations and are made of polypropylene for excellent chemical resistance.

**Axygen AxyMat Sealing Mats** are proprietary sealing mats designed for high throughput screening and storage applications. Made of research-grade silicone, they can be autoclaved. Following a bleach wash and ethanol rinse protocol, they can be reused. Axygen AxyMat sealing mats are pierceable and self-sealing, ideal for automated processes, and can be used in sub-zero environments.

**Chemically Resistant Axygen ImpermaMats** are a chemical-resistant line of sealing mats made for use in assays involving strong solvents such as DMSO and similarly harsh solvents. Specifically designed for Axygen deep well standard microplates, they contain no extractables to contaminate samples. These sealing mats are designed to withstand a wide temperature range from -80°C to +121°C, and they are autoclavable and reusable.



## Assay Plates and Deep Well Microplates

Axygen® assay and deep well polypropylene plates are used for sample collection, *in vitro* growth chambers, and long-term storage. They offer excellent chemical resistance and will withstand temperatures down to -80°C.

- ▶ Standard ANSI/SLAS footprint with centrifugation to 4,000 RCF
- ▶ Diamond-shaped wells allow complete sample recovery and ultra flat surface ensures proper sealing of heat film
- ▶ Plates and mats are bulk packaged
- ▶ 24-well plates and mats are available in black and white by special order
- ▶ 96-well microplates and mats are clear

### 24-well Plates

Cat. No.	Description	Volume to Brim of Well	Working Volume	Volume with Axygen AxyMat	Packaging
P-DW-10ML-24-C	10 mL, 24-well deep well plate, square wells	11 mL	10 mL	–	5/pk, 5 pk/cs
P-DW-10ML-24-C-S	10 mL, 24-well deep well plate, square wells, sterile	11 mL	10 mL	–	5/pk, 5 pk/cs
AM-24-SQ	Pierceable sealing mat for 24-well deep well plates, square wells	–	–	9 mL	10/pk, 5 pk/cs

### 48-well Plates

P-5ML-48-C	5 mL, 48-well deep well plate, rectangular wells	4.9 mL	4.6 mL	–	5/pk, 5 pk/cs
P-5ML-48-C-S	5 mL, 48-well deep well plate, rectangular wells, sterile	4.9 mL	4.6 mL	–	5/pk, 5 pk/cs
AM-48-IMP	Chemically resistant sealing mat for 5 mL 48-well deep well plates	–	–	4.0 mL	10/pk, 5 pk/cs

### 96-well Microplates

P-DW-11-C	1.1 mL, 96-well deep well microplate, round wells	1.5 mL	1.1 mL	–	5/pk, 10 pk/cs
P-DW-11-C-S	1.1 mL, 96-well deep well microplate, round wells, sterile	1.5 mL	1.1 mL	–	5/pk, 10 pk/cs
P-2ML-SQ-C	2.2 mL, 96-well deep well microplate, square wells	2.3 mL	2.2 mL	–	5/pk, 5 pk/cs
P-2ML-SQ-C-S	2.2 mL, 96-well deep well microplate, square wells, sterile	2.3 mL	2.2 mL	–	5/pk, 5 pk/cs
AM-2ML-RD	Pierceable sealing mat for 96-well assay microplate, round wells	–	–	0.95 mL	5/pk, 10 pk/cs
AM-2ML-RD-IMP	Chemically resistant sealing mat for 96-well assay microplates, round wells	–	–	0.95 mL	10/pk, 5 pk/cs
AM-2ML-SQ-IMP	Chemically resistant sealing mat for 1.1 mL 96-well deep well microplates, square wells	–	–	1.1 mL	10/pk, 5 pk/cs
AM-2ML-SQ	Pierceable 96-well square well sealing mat for 2.2 mL 96-well deep well microplates, square wells	–	–	1.9 mL	10/pk, 5 pk/cs



## Deep Well and Assay Plates (continued)

### 96-well Microplates (continued)



Cat. No.	Description	Volume to Brim of Well	Working Volume	Volume with Axygen AxyMat	Packaging
P-DW-12-HC	1.2 mL, 96-well deep well high clarity microplate	1.35 mL	1.25 mL	–	5/pk, 10 pk/cs
P-DW-12-HC-S	1.2 mL, 96-well deep well high clarity microplate, sterile			–	5/pk, 10 pk/cs
P-DW-20-C	1.6 mL, 96-well deep well microplate, round wells	1.9 mL	1.8 mL	–	5/pk, 10 pk/cs
P-DW-20-C-S	1.6 mL, 96-well deep well microplate, round wells, sterile	1.9 mL	1.8 mL	–	5/pk, 10 pk/cs
AM-2ML-RD	Pierceable sealing mat for 96-well assay microplates, round wells	–	–	1.5 mL	5/pk, 10 pk/cs
AM-2ML-RD-IMP	Chemically resistant sealing mat for 96-well assay microplates, round wells	–	–	1.5 mL	10/pk, 5 pk/cs
P-DW-500-C	0.6 mL to 600 $\mu$ L, 96-well deep well microplate	610 mL	560 mL	–	5/pk, 10 pk/cs
P-DW-500-C-S	0.6 mL to 600 $\mu$ L, 96-well deep well microplate, sterile	610 mL	560 mL	–	5/pk, 10 pk/cs
AM-500UL-RD	Sealing mat for 600 $\mu$ L 96-well deep well microplates	–	–	450 mL	10/pk, 5 pk/cs
P-96-450R-C	550 $\mu$ L, 96-well assay round bottom microplate	550 mL	450 mL	–	10/pk, 5 pk/cs
P-96-450R-C-S	550 $\mu$ L, 96-well assay round bottom microplate, sterile	550 mL	450 mL	–	10/pk, 5 pk/cs
P-96-450V-C	500 $\mu$ L, 96-well assay V-bottom microplate	500 mL	450 mL	–	10/pk, 5 pk/cs
P-96-450V-C-S	500 $\mu$ L, 96-well assay V-bottom microplate, sterile	500 mL	450 mL	–	10/pk, 5 pk/cs
AM-2ML-RD	Pierceable sealing mat for 96-well assay microplates, round wells	–	–	350 mL	10/pk, 5 pk/cs
AM-2ML-RD-IMP	Chemically resistant sealing mat for 96-well assay microplates, round wells	–	–	350 mL	10/pk, 5 pk/cs

### 384-well Microplates



P-384-120SQ-C	120 $\mu$ L, 384-well deep well microplate	135 mL	125 mL	-	5/pk, 10 pk/cs
P-384-120SQ-C-S	120 $\mu$ L, 384-well deep well microplate, sterile	135 mL	125 mL	-	5/pk, 10 pk/cs
P-384-240SQ-C	240 $\mu$ L, 384 deep well microplate "Diamond Plate," square wells	255 mL	240 mL	–	5/pk, 10 pk/cs
P-384-240SQ-C-S	240 $\mu$ L, 384 deep well microplate "Diamond Plate," square wells, sterile	255 mL	240 mL	–	5/pk, 10 pk/cs
AM-384-DW-SQ	Pierceable sealing mat for 384-well microplates, square wells	–	–	210 mL	10/pk, 5 pk/cs
AM-384-SQ-IMP	Chemically resistant sealing mat for 384-well microplates, square wells	–	–	210 mL	10/pk, 5 pk/cs

## Compound Library Storage – Mini Tube System (MTS)

Axygen® Mini tube systems are available in 0.65 mL or 1.1 mL single mini tube. They are also available in 8-cap or 12-cap strip format. Mini tube system racks are compatible with Beckman Coulter, Tecan, and other automation workstations.

- ▶ Rack features a one-way lid design and alpha-numeric grid
- ▶ Molded-in condensation rings on the lid minimize cross contamination

Cat. No.	Description	Pack Type	Packaging
MTS-06-C	0.65 mL mini tube, single	Bulk	960/pk, 5 pk/cs
MTS-06-C-R	0.65 mL mini tube, single	Racked	96/rack, 10 racks/pk, 5 pk/cs
MTS-06-C-R-S	0.65 mL mini tube, single, sterile	Racked	96/rack, 10 racks/pk, 5 pk/cs
MTS-11-C	1.1 mL mini tube, single	Bulk	960/pk, 5 pk/cs
MTS-11-C-R	1.1 mL mini tube, single	Racked	96/rack, 10 racks/pk, 5 pk/cs
MTS-11-C-R-S	1.1 mL mini tube, single, sterile	Racked	96/rack, 10 racks/pk, 5 pk/cs
MTS-11-8-C	1.1 mL mini tube, 8-strip	Bulk	120/pk, 5 pk/cs
MTS-11-8-C-R	1.1 mL mini tube, 8-strip	Racked	12/rack, 10 racks/pk, 5 pk/cs
MTS-11-8-C-R-S	1.1 mL mini tube, 8-strip, sterile	Racked	12/rack, 10 racks/pk, 5 pk/cs
MTS-11-12-C	1.1 mL mini tube, 12-strip	Bulk	80/pk, 5 pk/cs
MTS-11-12-C-R	1.1 mL mini tube, 12-strip	Racked	8/rack, 10 racks/pk, 5 pk/cs
MTS-11-12-C-R-S	1.1 mL mini tube, 12-strip, sterile	Racked	8/rack, 10 racks/pk, 5 pk/cs
MTS-8CP-C	Mini tube, 8-cap strip	Bulk	120/pk, 5 pk/cs
MTS-8CP-C-S	Mini tube, 8-cap strip, sterile	Bulk	120/pk, 5 pk/cs
MTS-12CP-C	Mini tube, 12-cap trip	Bulk	80/pk, 5 pk/cs
MTS-12CP-C-S	Mini tube, 12-cap strip, sterile	Bulk	80/pk, 5 pk/cs



## Microcentrifuge Tube Storage Boxes



TR8300



TR8300-BLK



TR8300-A

Axygen® Microcentrifuge Tube Storage Boxes are ideal for sample storage. These polypropylene boxes are engineered to withstand the harsh environments necessary for daily workflows in your laboratory. This includes freezing temperatures at -80°C and autoclaving temperatures up to 121°C to ensure a lasting, durable product. The positive catch on the product anterior keeps the lid securely fastened, whereas the 3-point hinge functions to maintain its integrity during repeated use located on the product posterior. Sample identification can easily be assigned using the alpha-numeric indexing stamped on the inner perimeter of each box. The clear lids allow visibility when the lid is closed as this feature pairs well with our microcentrifuge tubes solution noted within the accessories section. Boxes are available in a variety of colors for coding samples and holds 100 x 1.5 to 2.0 mL tubes, cryogenic vials, or chromatography vials. A solid black box, including the lid, is available for light-sensitive samples (142 x 142 x 55 mm).



All Axygen Microcentrifuge Tube Storage Boxes come with a strategically placed alpha-numeric manufactured stamp to easily distinguish sample identification.

Cat. No.	Description	Qty/Cs
TR8300	100 place microcentrifuge tube storage box, natural, 1.5 to 2.0 mL	5
TR8300-BLK	100 place microcentrifuge tube storage box, opaque black, 1.5 to 2.0 mL	2
TR8300-B	100 place microcentrifuge tube storage box, blue, 1.5 to 2.0 mL	5
TR8300-A	100 place microcentrifuge tube storage box, multi-color pack, 1.5 to 2.0 mL	5



TR8210

## Microcentrifuge Tube Support Rack

The Axygen Microcentrifuge Tube Support Rack is molded from durable, autoclavable polypropylene, and features non-skid rubber feet. The rack has two levels and exhibits wide spacing to provide prime sample access and visibility. Tube positions are numbered 1 to 20 for organizing samples (210 x 75 x 35 mm).

- ▶ Step design allows easy access to tubes
- ▶ 2 rows of 10 (20 x 1.5 to 2.0 mL total)

Cat. No.	Description	Qty/Cs
TR8210	Microcentrifuge tube support rack, red, 20 x 1.5 to 2.0 mL	2



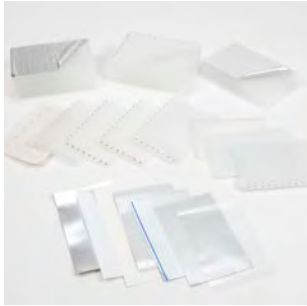
# Sealing Solutions

- Overview – Sealing Solutions. . . . . 53
- Axygen® AxyMat Sealing Mats. . . . . 54
- Axygen® ImpermaMat Sealing Mats . . . . . 55
- Sealing Films. . . . . 56
- Axygen® PlateMax™ Heat Sealing Films . . . . . 57
- Axygen® PlateMax™ Heat Sealing Films, Rolls . . . . . 58
- Sealing Film Roller . . . . . 58

### Product Ordering Information

Products may not be available in all markets. For information on Purchasing Options, Terms and Conditions of Sale, Return and Repair Policies, and Warranty/Guarantee Registration, visit [www.corning.com/how-to-buy](http://www.corning.com/how-to-buy).

# Overview – Sealing Solutions



Axygen products are manufactured in a clean, controlled “state of the art” facility and are RNase-/DNase-/human gDNA-free and nonpyrogenic.

For applications ranging from PCR and Real-time PCR to ELISA and cell culture, Axygen® sealing films are the easy and cost effective way to seal your microplates. Available in sticky sheets, heat seal sheets, or heat seal rolls.

- Lids are available in polypropylene and polystyrene and provide an easy way to cover most microplates
- An extensive range of ImpermaMats offer excellent protection for applications involving aggressive solvents
- Sealing films offer great economy for disposable use
- Axygen AxyMat and ImpermaMat sealing mats are autoclavable and reusable
- Films and mats can be used in a wide temperature range

## Plate Sealing

Each “well-sealer” incorporates a “scored” area for puncturing by a syringe needle which allows samples to be dispensed and/or aspirated even while the Axygen AxyMat is in place. Once punctured each ‘well-sealer’ will reseal itself, ensuring an airtight seal to the well.



## Corning offers an extensive array of Axygen plate sealing options suitable for any preference or application.

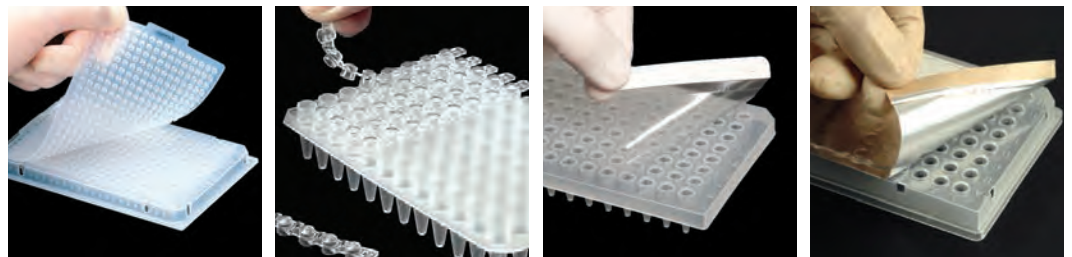
PCR Axygen AxyMat sealing mats are research-grade silicone sealing mats designed for long- or short-term sample storage and PCR. They are autoclavable and reusable.

Compression and expansion Axygen AxyMat sealing mats are ideal for sealing microplates during thermal cycling. Thicker than PCR Axygen AxyMat sealing mats, these form an optimal seal between the cycler's heated lid and the wells, eliminating evaporation and well-to-well contamination. They are autoclavable and reusable.

Axygen 8-strip caps applied to multiwell microplates offer a quick and effective way to seal selected rows and subsequently access individual wells.

HeatSeal is ideal for PCR applications as it eliminates evaporation and well-to-well contamination. It is also useful for sample storage and transport.

AluminumSeal and PolyesterSeal is designed for high throughput screening applications, but is also popular for long-term storage, transport, and PCR.



## Axygen® AxyMat Sealing Mats

Axygen AxyMat sealing mats can be used in a wide range of temperatures for PCR and storage applications. Axygen AxyMat sealing mats minimize evaporation and are made of research-grade silicone which can be autoclaved. They can be reused following a bleach wash and ethanol rinse protocol.

### Axygen AxyMat Sealing Mats for PCR Microplates

Cat. No.	Description	Fits Microplate (Cat. No.)	Packaging
AM-96-PCR-RD	Sealing mat for 96-well round well PCR microplate	<ul style="list-style-type: none"> <li>▶ PCR-96-C</li> <li>▶ PCR-96-MB-C</li> <li>▶ PCR-96-LP-FLT-C</li> <li>▶ PCR-96-FLT-C</li> <li>▶ PCR-96-SG-C</li> <li>▶ PCR-96-AB-C</li> <li>▶ PCR-96-LP-AB-C</li> <li>▶ PCR-96M2-HS-C</li> <li>▶ PCR-96-FS-C</li> </ul>	Bulk, 10/pk, 5 pk/cs
AM-384-PCR-RD	Sealing mat for 384-well round well PCR microplate	<ul style="list-style-type: none"> <li>▶ PCR-384-C</li> <li>▶ PCR-384M2-C</li> <li>▶ PCR-384-RGD-C</li> </ul>	Bulk, 10/pk, 5 pk/cs

### Axygen AxyMat Sealing Mats for Assay and Storage Microplates

Cat. No.	Description	Fits Microplate (Cat. No.)	Packaging
AM-24-SQ	Sealing mat for 24-well square deep well plates, pierceable	▶ P-DW-10ML-24-C	Bulk, 10/pk, 5 pk/cs
AM-48	Sealing mat for 5 mL 48-well deep well plates	▶ P-5ML-48-C	Bulk, 10/pk, 5 pk/cs
AM-2ML-RD	Sealing mat for 96-well round well assay microplates, pierceable	<ul style="list-style-type: none"> <li>▶ P-DW-11-C</li> <li>▶ P-DW-20-C</li> <li>▶ P-96-450R-C</li> <li>▶ P-96-450V-C</li> </ul>	Bulk, 10/pk, 5 pk/cs
AM-2ML-RD-S	Sealing mat for 96-well round well assay microplates, pierceable, sterile	<ul style="list-style-type: none"> <li>▶ P-DW-11-C</li> <li>▶ P-DW-20-C</li> <li>▶ P-96-450R-C</li> <li>▶ P-96-450V-C</li> </ul>	Bulk, 10/pk, 5 pk/cs
AM-500UL-RD	Sealing mat for 500 µL 96-well round deep well microplates, pierceable	▶ P-DW-500-C	Bulk, 10/pk, 5 pk/cs
AM-2ML-SQ	Sealing mat for 96-well square well microplates, pierceable	▶ P-2ML-SQ-C	Bulk, 10/pk, 5 pk/cs
AM-750UL-RD	Sealing mat for 750 µL 96-well round well microplate and ELISA plate, pierceable	Optimized to fit 1.0 mL Corning deep well plates as well as the Axygen mini tube system	Bulk, 10/pk, 5 pk/cs
AM-384-DW-SQ	Sealing mat for 384-well square well microplates, pierceable	<ul style="list-style-type: none"> <li>▶ P-384-120SQ-C</li> <li>▶ P-384-240SQ-C</li> </ul>	Bulk, 10/pk, 5 pk/cs





## Axygen® ImpermaMat Sealing Mats

Axygen ImpermaMat sealing mats can be used in a wide range of temperatures for PCR and storage applications. ImpermaMats minimize evaporation and are made of research-grade silicone which can be autoclaved. They can be reused following a bleach wash and ethanol rinse protocol. ImpermaMats are chemically resistant sealing mats that provide a high degree of confidence for storage applications involving more aggressive solvents. They do not contain any adhesives or extractables which could contaminate samples.

- ▶ Chemically resistant
- ▶ Designed for use with Axxygen deep well and assay microplates
- ▶ Tight plate seal reduces sample evaporation and well-to-well contamination
- ▶ Usable within a wide temperature range, from -80°C to +121°C
- ▶ High contrast alphanumeric grid for easy well identification

### Axygen ImpermaMat Chemically Resistant Sealing Mats

Cat. No.	Description	Fits Microplate (Cat. No.)	Packaging
AM-2ML-RD-IMP	Sealing mat for 1.1 mL and 2.0 mL 96-well round well assay microplates	<ul style="list-style-type: none"> <li>▶ P-DW-11-C</li> <li>▶ P-DW-20-C</li> <li>▶ P-96-450R-C</li> <li>▶ P-96-450V-C</li> </ul>	Bulk, 10/pk, 5 pk/cs
AM-2ML-SQ-IMP	Sealing mat for 2.0 mL 96-well square deep well microplates	▶ P-2ML-SQ-C	Bulk, 10/pk, 5 pk/cs
AM-48-IMP	Sealing mat for 5.0 mL 48-well deep well plates	▶ P-5ML-48-C	Bulk, 10/pk, 5 pk/cs
AM-384-SQ-IMP	Sealing mat for 384-well square well microplates	<ul style="list-style-type: none"> <li>▶ P-384-120SQ-C</li> <li>▶ P-384-240SQ-C</li> </ul>	Bulk, 10/pk, 5 pk/cs



## Sealing Films

Axygen® microplate sealing films are designed for applications ranging from PCR and Real-time PCR to storage. They can be used in a wide range of temperatures making them suitable for nearly any application.

### Breathable

- ▶ Allows effective gas exchange for cellular and bacterial cultivation, while reducing contamination
- ▶ Seals polypropylene and polystyrene culture microplates, 96- and 384-well microplates, and other assay microplates
- ▶ For tissue culture applications



Cat. No.	Material	Dimensions (mm)	Min. Working Temp.	Max. Working Temp.	Packaging
BF-400	Rayon	153 x 82.3	-20°C	80°C	10/pk, 10 pk/cs
BF-400-S	Rayon, sterile	153 x 82.3	-20°C	80°C	25/bag 2 bags/pk, 10 pk/cs

### UltraClear, pressure-sensitive

- ▶ Seals 96- and 384-well PCR microplates
- ▶ Film clarity allows optical analysis during Real-time PCR
- ▶ Pressure-sensitive adhesive; no tacky residues that can interfere with optical analysis
- ▶ For real-time PCR applications



Cat. No.	Material	Dimensions (mm)	Min. Working Temp.	Max. Working Temp.	Packaging
UC-500	Polyolefin	141.5 x 77.7	-70°C	100°C	Bulk, 100/pk, 5 pk/cs

### Aluminum

- ▶ Uniformly applied adhesive provides a tight seal on multiple well plates under a wide range of temperature conditions and reagents
- ▶ Seals during thermal cycling process when used in conjunction with Axygen compression mats
- ▶ Ideal for PRC/Storage and light-sensitive samples



Cat. No.	Material	Dimensions (mm)	Min. Working Temp.	Max. Working Temp.	Packaging
PCR-AS-200	Aluminum, pierceable	146 x 79.2	-80°C	104°C	Bulk, 100/pk, 5 pk/cs
PCR-AS-600	Aluminum	133.3 x 79.2	-80°C	104°C	Bulk, 100/pk, 5 pk/cs

### CyclerSeal

- ▶ Tight seal across entire plate safeguards sample during transport or storage
- ▶ Reduces well-to-well contamination and cross-over in PCR applications when used with Axygen compression mats
- ▶ For PCR/Storage applications



Cat. No.	Material	Dimensions (mm)	Min. Working Temp.	Max. Working Temp.	Packaging
PCR-TS	Polyester	135.5 x 80	-40°C	102°C	Bulk, 100/pk, 5 pk/cs

## Sealing Films (continued)

### AxySeal

- ▶ Polyester-based with uniformly applied acrylic adhesive reduces the edge effect in sensitive ELISA assays
- ▶ Suitable for use on tissue culture microplates, short-term storage and incubation, transport, and containment of biohazardous solutions



Cat. No.	Material	Dimensions (mm)	Min. Working Temp.	Max. Working Temp.	Packaging
PCR-SP	Polyester	146 x 79.6	-40°C	104°C	Bulk, 100/pk, 5 pk/cs
PCR-SP-S	Polyester, sterile	146 x 79.6	-40°C	104°C	Bulk, 100/pk, 5 pk/cs

### Axygen® PlateMax™ Heat Sealing Films

Axygen PlateMax microplate heat sealing films are designed for applications ranging from PCR and Real-time PCR to storage. They can be used in a wide range of temperatures making them suitable for nearly any application.

#### Paper-backed

- ▶ For storage applications



Cat. No.	Material	Thickness (µm)	Dimensions (mm)	Min. Working Temp.	Max. Working Temp.	Packaging
MF-300	Litto/ethylene/vinyl	85	127.2 x 79.5	-80°C	104°C	Bulk, 100/pk

#### UltraClear, Permanent

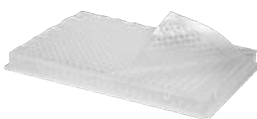
- ▶ For qPCR, fluorescence, and colorimetric measurements applications



Cat. No.	Material	Thickness (µm)	Dimensions (mm)	Min. Working Temp.	Max. Working Temp.	Packaging
HS-100-QPCR	Polyester	52	125 x 78	-80°C	110°C	Bulk, 100/pk, 5 pk/cs

#### UltraClear, Peelable

- ▶ For qPCR, fluorescence, and colorimetric measurements applications



Cat. No.	Material	Thickness (µm)	Dimensions (mm)	Min. Working Temp.	Max. Working Temp.	Packaging
HS-150-QPCR	Polyester	100.5	125 x 78	-80°C	80°C*	Bulk, 100/pk, 5 pk/cs

#### UltraClear, Peelable

- ▶ For PCR (HS-200), compound (HS-200, HS-400), and storage (HS-200, HS-400, HS-300) applications

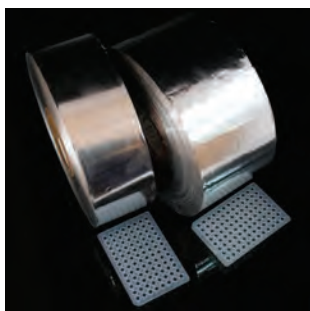


Cat. No.	Material	Thickness (µm)	Dimensions (mm)	Min. Working Temp.	Max. Working Temp.	Packaging
HS-200	Polyester/ aluminum	70	125 x 78	-80°C	90°C*	Bulk, 100/pk, 5 pk/cs
HS-400	Polyester/ aluminum	70	125 x 78	-80°C	40°C	Bulk, 100/pk, 5 pk/cs
HS-300	Aluminum	20	125 x 78	-80°C	120°C	Bulk, 100/pk, 5 pk/cs

\*110°C with pressurized PCR-heated lids.

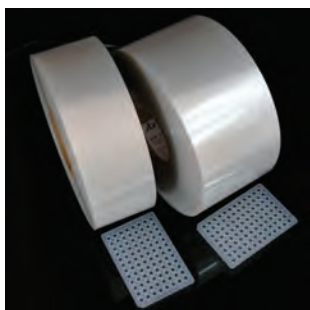
## Axygen® PlateMax™ Heat Sealing Films, Rolls

Axygen PlateMax microplate heat sealing films rolls are designed for applications ranging from PCR and Real-time PCR to storage. They can be used in a wide range of temperatures making them suitable for nearly any application.



### Pierceable

Cat. No.	Material	Dimensions	Application	Compatibility	Packaging
HSF-AS-300-L	Aluminum	115 mm x 500M	–	Agilent	Individual roll
HSF-AS-300-P	Aluminum	78 mm x 610M	–	ALPS	Individual roll



### CyclerSeal, Peelable

Cat. No.	Material	Dimensions	Application	Compatibility	Packaging
HSF-TS-L	Polyester/ aluminum	115 mm x 500M	PCR/Storage	Agilent	Individual roll



### Sealing Film Roller

Ideal for application of all Axygen PlateMax sealing films.

Cat. No.	Description	Packaging
PCR-SP-ROLLER	Sealing film roller	1/cs



# Microcentrifuge Tubes

Overview – Microcentrifuge Tubes . . . . .	60
Axygen® SnapLock Microcentrifuge Tubes . . . . .	62
5 mL SnapLock Microcentrifuge Tubes . . . . .	63
Tissue Grinder . . . . .	63
Screw Cap Microcentrifuge Tubes . . . . .	64
Conical Centrifuge Tubes . . . . .	65
Transport Tubes . . . . .	65

## Product Ordering Information

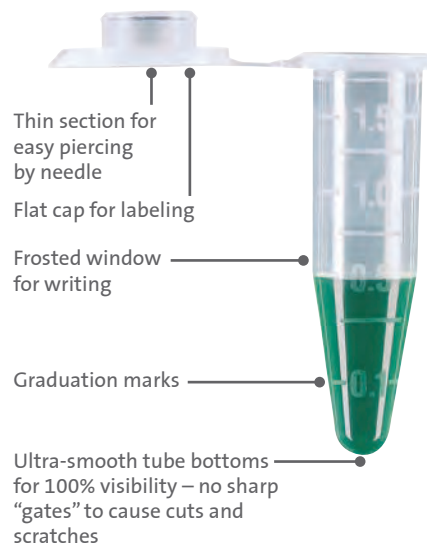
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# Overview – Microcentrifuge Tubes



## Axygen® MaxyClear SnapLock Microcentrifuge Tubes

Axygen MaxyClear 1.5 mL, 1.7 mL, and 2.0 mL SnapLock microcentrifuge tubes are engineered to close with a snap and stay closed during centrifugation up to 14,000 RCF. The 1.7 mL MaxyClear microcentrifuge tubes are a co-polymer material which offers exceptional strength and chemical resistance. All Axxygen SnapLock microcentrifuge tubes have frosted cap surfaces for labeling, frosted panels on the side for writing, and a 0.28 mm piercing port in the center of the cap. Most microcentrifuge tubes are autoclavable. Axxygen microcentrifuge tubes are produced from virgin polypropylene that meets USP Class VI requirements.



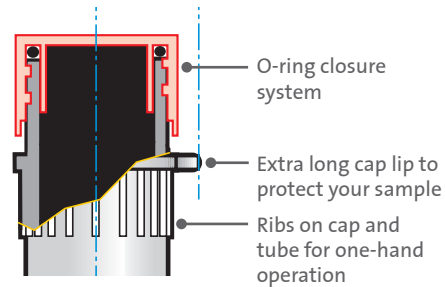
- ▶ MaxyClear for the ultimate in sample visibility found in all of Axxygen SnapLock microcentrifuge tubes
- ▶ A wide range of colored tubes for easy sample identification
- ▶ SnapLock tubes are guaranteed to stay closed even during boiling or autoclaving
- ▶ Will withstand up to 14,000 RCF
- ▶ SnapLock cap assures efficient seal yet is still easy to flip open
- ▶ Thin membrane in cap center allows easy access to sample by syringe needle
- ▶ RNase-/DNase-free
- ▶ Nonpyrogenic
- ▶ Axxygen Maximum Recovery® surface is available in most styles for minimal sample retention

Axygen products are manufactured in a clean, controlled “state of the art” facility and are RNase-/DNase-free and nonpyrogenic.

## Axygen® MaxyClear Screw Cap Microcentrifuge Tubes

Axygen MaxyClear screw cap microcentrifuge tubes 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 labeling and fraction collecting. The threaded O-ring design ensures a uniform closure allowing centrifugation up to 14,000 RCF.

The closure on Axxygen screw caps feature an O-ring that is formulated and manufactured from a specially selected material that is resistant to many commonly used laboratory chemicals.



## Autoclaving Guidelines

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

**121°C**

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

**15 minutes**

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

**15 psi/1 atm**

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

## Autoclaving Caution

Excessive exposure to autoclaving heat may cause warping or decreased structural integrity. Do not exceed autoclaving recommendations.

**NOTE:** Not all products are autoclavable. Please see product’s respective information sheets.

## Microcentrifuge Tube Packaging

Axygen microcentrifuge tubes are shipped in resealable plastic bags and are packed in individual boxes, keeping them free from contaminants and easy to store.

## Axygen® SnapLock Microcentrifuge Tubes



Axygen SnapLock microcentrifuge tubes are available in a variety of colors, sterilized, and with our Axygen Maxymum Recovery® surface. All Axygen SnapLock microcentrifuge tubes have a frosted cap for easy labeling, a frosted panel on the side of the tube for easy writing, and a pierceable port in the center of the cap for use with a syringe.

- ▶ 0.6 mL, 1.5 mL, and 2.0 mL (homopolymer) tubes are boil proof and autoclavable
- ▶ 1.7 mL (copolymer) tubes offer exceptional strength and chemical resistance
- ▶ Maximum RCF is 14,000 x g
- ▶ Sterility Assurance Level (SAL) of 10<sup>-6</sup>
- ▶ RNase-/DNase-free and human gDNA-free
- ▶ Nonpyrogenic

Cat. No.	Volume (mL)	Surface	Color	Packaging	Quantity
MCT-060-C	0.6	Standard	MaxyClear	Bulk	1,000/pk, 10/cs
MCT-060-L-C	0.6	Maxymum Recovery	MaxyClear	Bulk	500/pk, 10/cs
MCT-060-C-S	0.6	Standard	MaxyClear	Bulk, sterile	500/pk, 10/cs
MCT-060-A	0.6	Standard	Assorted*	Bulk	1,000/pk, 10/cs
MCT-060-SP	0.6	Standard	Spectrum**	Bulk	1,000/pk, 10/cs
MCT-060-B	0.6	Standard	Blue	Bulk	1,000/pk, 10/cs
MCT-060-G	0.6	Standard	Green	Bulk	1,000/pk, 10/cs
MCT-060-O	0.6	Standard	Orange	Bulk	1,000/pk, 10/cs
MCT-060-R	0.6	Standard	Red	Bulk	1,000/pk, 10/cs
MCT-060-V	0.6	Standard	Violet	Bulk	1,000/pk, 10/cs
MCT-060-X	0.6	Standard	Amber	Bulk	1,000/pk, 10/cs
MCT-060-Y	0.6	Standard	Yellow	Bulk	1,000/pk, 10/cs
MCT-150-C	1.5	Standard	MaxyClear	Bulk	500/pk, 10/cs
MCT-150-L-C	1.5	Maxymum Recovery	MaxyClear	Bulk	250/pk, 10/cs
MCT-150-C-S	1.5	Standard	MaxyClear	Bulk, sterile	250/pk, 10/cs
MCT-150-NC	1.5	Standard	MaxyClear	Bulk, no cap	500/pk, 10/cs
MCT-150-A	1.5	Standard	Assorted*	Bulk	500/pk, 10/cs
MCT-150-SP	1.5	Standard	Spectrum**	Bulk	500/pk, 10/cs
MCT-150-B	1.5	Standard	Blue	Bulk	500/pk, 10/cs
MCT-150-G	1.5	Standard	Green	Bulk	500/pk, 10/cs
MCT-150-O	1.5	Standard	Orange	Bulk	500/pk, 10/cs
MCT-150-R	1.5	Standard	Red	Bulk	500/pk, 10/cs
MCT-150-V	1.5	Standard	Violet	Bulk	500/pk, 10/cs
MCT-150-X	1.5	Standard	Amber	Bulk	500/pk, 10/cs
MCT-150-Y	1.5	Standard	Yellow	Bulk	500/pk, 10/cs
MCT-175-C	1.7	Standard	MaxyClear	Bulk	500/pk, 10/cs
MCT-175-L-C	1.7	Maxymum Recovery	MaxyClear	Bulk	250/pk, 10/cs
MCT-175-C-S	1.7	Standard	MaxyClear	Bulk, sterile	250/pk, 10/cs
MCT-175-A	1.7	Standard	Assorted*	Bulk	500/pk, 10/cs
MCT-175-SP	1.7	Standard	Spectrum**	Bulk	500/pk, 10/cs
MCT-175-B	1.7	Standard	Blue	Bulk	500/pk, 10/cs
MCT-175-G	1.7	Standard	Green	Bulk	500/pk, 10/cs
MCT-175-O	1.7	Standard	Orange	Bulk	500/pk, 10/cs
MCT-175-R	1.7	Standard	Red	Bulk	500/pk, 10/cs

\*Assorted: Each pack contains a mixture of blue, green, violet, orange, red, and yellow.

\*\*Spectrum: 2 packs each of blue, green, orange, red, and yellow.





## Axygen® SnapLock Microcentrifuge Tubes (Continued)



Cat. No.	Volume (mL)	Surface	Color	Packaging	Quantity
MCT-175-V	1.7	Standard	Violet	Bulk	500/pk, 10/cs
MCT-175-X	1.7	Standard	Amber	Bulk	500/pk, 10/cs
MCT-175-Y	1.7	Standard	Yellow	Bulk	500/pk, 10/cs
MCT-200-C	2.0	Standard	MaxyClear	Bulk	500/pk, 10/cs
MCT-200-L-C	2.0	Maximum Recovery	MaxyClear	Bulk	250/pk, 10/cs
MCT-200-C-S	2.0	Standard	MaxyClear	Bulk, sterile	250/pk, 10/cs
MCT-200-NC	2.0	Standard	MaxyClear	Bulk, no cap	500/pk, 10/cs
MCT-200-A	2.0	Standard	Assorted*	Bulk	500/pk, 10/cs
MCT-200-SP	2.0	Standard	Spectrum**	Bulk	500/pk, 10/cs
MCT-200-B	2.0	Standard	Blue	Bulk	500/pk, 10/cs
MCT-200-G	2.0	Standard	Green	Bulk	500/pk, 10/cs
MCT-200-O	2.0	Standard	Orange	Bulk	500/pk, 10/cs
MCT-200-V	2.0	Standard	Violet	Bulk	500/pk, 10/cs
MCT-200-X	2.0	Standard	Amber	Bulk	500/pk, 10/cs
MCT-200-Y	2.0	Standard	Yellow	Bulk	500/pk, 10/cs

\*Assorted: Each pack contains a mixture of blue, green, violet, orange, red, and yellow.

\*\*Spectrum: 2 packs each of blue, green, orange, red, and yellow.



## 5 mL SnapLock Microcentrifuge Tubes

- ▶ Graduated at 0.5 mL increments
- ▶ Available in clear and amber
- ▶ Frosted flat cap
- ▶ Fits without adapter to 15 mm diameter centrifuge buckets
- ▶ Sterility Assurance Level (SAL) of  $10^{-6}$
- ▶ RNase-/DNase-free, human gDNA-free
- ▶ Nonpyrogenic

Cat. No.	Volume (mL)	Material	Color	Packaging	Quantity
MCT-500-C	5.0 mL	Homopolymer	Clear	Bulk	250/pk, 5 pk/cs
MCT-500-X	5.0 mL	Homopolymer	Amber	Bulk	250/pk, 5 pk/cs
MCT-500-C-S	5.0 mL	Homopolymer	Clear	Bulk, sterile	250/pk, 5 pk/cs

## Tissue Grinder

- ▶ Durable and inert polypropylene construction
- ▶ Designed to fit 1.5 mL and 2.0 mL microcentrifuge tubes
- ▶ Individually wrapped and sterilized



Cat. No.	Volume (mL)	Material	Color	Packaging	Quantity
PES-15-B-SI	1.5 and 2.0 mL	Pestle, sterile	Blue	Individually wrapped	100/pk, 4 pk/cs

## Screw Cap Microcentrifuge Tubes

Axygen® microcentrifuge tubes feature a screw cap that provides a tight secure seal. Screw cap tubes are available in a variety of colors with a conical or self-standing bottom. Sterile options are also available.

- ▶ Maximum G-force: 20,000 RCF
- ▶ Autoclavable
- ▶ Freezable
- ▶ Temperature range: -80°C to 121°C
- ▶ RNase-/DNase-free, human gDNA-free
- ▶ Nonpyrogenic

### Tubes with Cap, Sterile

All sterile screw cap microcentrifuge tubes are pre-assembled with non-looped caps with O-rings.



Cat. No.	Volume (µL)	Style	Color	Packaging
SCT-45-C-S	0.5	Conical, elongated, sterile	Clear	500/pk, 8 pk/cs
SCT-050-C-S	0.5	Conical, sterile	Clear	500/pk, 8 pk/cs
SCT-050-SS-C-S	0.5	Self-standing, sterile	Clear	500/pk, 8 pk/cs
SCT-150-C-S	1.5	Conical, sterile	Clear	500/pk, 8 pk/cs
SCT-150-SS-C-S	1.5	Self-standing, sterile	Clear	500/pk, 8 pk/cs
SCT-200-C-S	2.0	Conical, sterile	Clear	500/pk, 8 pk/cs
SCT-200-SS-C-S	2.0	Self-standing, sterile	Clear	500/pk, 8 pk/cs

Colored-cap versions are also available in sterile format.

### Tubes Only



Cat. No.	Volume (µL)	Style	Color	Packaging
ST-45	0.5	Conical	Clear	500/pk, 8 pk/cs
ST-45-SS	0.5	Self-standing	Clear	500/pk, 8 pk/cs
ST-050	0.5	Conical	Clear	500/pk, 8 pk/cs
ST-050-X	0.5	Conical	Amber	500/pk, 8 pk/cs
ST-050-SS	0.5	Self-standing	Clear	500/pk, 8 pk/cs
ST-050-SS-X	0.5	Self-standing	Amber	500/pk, 8 pk/cs
ST-060-SS	0.5	Self-standing	Clear	500/pk, 8 pk/cs
ST-150	1.5	Conical	Clear	500/pk, 8 pk/cs
ST-150-X	1.5	Conical	Amber	500/pk, 8 pk/cs
ST-150-SS	1.5	Self-standing	Clear	500/pk, 8 pk/cs
ST-150-SS-X	1.5	Self-standing	Amber	500/pk, 8 pk/cs
ST-200	2.0	Conical	Clear	500/pk, 8 pk/cs
ST-200-SS	2.0	Self-standing	Clear	500/pk, 8 pk/cs
ST-200-X	2.0	Conical	Amber	500/pk, 8 pk/cs
ST-200-SS-X	2.0	Self-standing	Amber	500/pk, 8 pk/cs

### Screw Caps with O-ring



Cat. No.	Cap Color	Packaging
SCO-C	Clear	500/pk, 8 pk/cs
SCO-R	Red	500/pk, 8 pk/cs
SCO-O	Orange	500/pk, 8 pk/cs
SCO-Y	Yellow	500/pk, 8 pk/cs
SCO-G	Green	500/pk, 8 pk/cs
SCO-B	Blue	500/pk, 8 pk/cs
SCO-BR	Brown	500/pk, 8 pk/cs

## Screw Cap Microcentrifuge Tubes (Continued)

### Screw Caps, Looped, with O-ring



Cat. No.	Cap Color	Packaging
SCO-LP-C	Clear	500/pk, 8 pk/cs
SCO-LP-R	Red	500/pk, 8 pk/cs
SCO-LP-O	Orange	500/pk, 8 pk/cs
SCO-LP-Y	Yellow	500/pk, 8 pk/cs
SCO-LP-G	Green	500/pk, 8 pk/cs
SCO-LP-B	Blue	500/pk, 8 pk/cs
SCO-LP-BR	Brown	500/pk, 8 pk/cs

### Conical Centrifuge Tubes

- ▶ Rated to 12,000 RCF
- ▶ Printed graduations and writing area for sample identification
- ▶ Screw caps can be closed with one hand
- ▶ Sterile options are also available
- ▶ RNase-/DNase-free, human gDNA-free
- ▶ Nonpyrogenic



Cat. No.	Volume (mL)	Description	Packaging
SCT-15ML-500	15	Clear	50/pk, 10 pk/cs
SCT-15ML-R-S	15	Clear, sterile, SAL 10 <sup>-5</sup>	50/rack, 10 racks/cs
SCT-15ML-25-S	15	Clear, sterile, SAL 10 <sup>-5</sup>	25/pk, 20 pk/cs
SCT-50ML-500	50	Clear	50/pk, 10 pk/cs
SCT-50ML-R-S	50	Clear, sterile, SAL 10 <sup>-5</sup>	25/rack, 10 racks/pk, 2 pk/cs
SCT-50ML-25-S	50	Clear, sterile, SAL 10 <sup>-5</sup>	25/pk, 20 pk/cs

### Transport Tubes

- ▶ Graduation marks at 1.0 mL intervals
- ▶ Large, frosted writing area for sample identification
- ▶ Secure fit between tube and cap provides a leak-resistant seal
- ▶ Maximum G-force is 20,000 RCF
- ▶ RNase-/DNase-free, human gDNA-free
- ▶ Nonpyrogenic



### Full Skirt Tubes

Cat. No.	Volume (mL)	Description	Packaging
ST-5ML	5	Clear tube without cap	500/pk, 4 pk/cs
SCT-5ML	5	Clear tube with cap	500 tubes/pk, 2 pk/cs and 250 caps/pk, 4 pk/cs
SCT-5ML-S	5	Clear tube with cap, sterile	25/pk, 20 pk/cs
ST-10ML	10	Clear tube without cap	250/pk, 8 pk/cs
SCT-10ML	10	Clear tube with cap	250/pk, 4 pk/cs
SCT-10ML-S	10	Clear tube with cap, sterile	25/pk, 20 pk/cs

### Screw Cap for Full Skirt Tubes

Cat. No.	Description	Packaging
SC-B-510	Screw cap for 5 mL and 10 mL full skirt tubes	250/pk, 8 pk/cs



# Sample Prep Solutions for Genomics

Overview – Sample Prep Solutions for Genomics . . . . .	67
Axygen® AxyPrep MAG Tissue-Blood gDNA Kit . . . . .	68
Axygen® AxyPrep MAG Plasmid Kit . . . . .	69
Axygen® AxyPrep MAG Plant Genomic DNA Extraction Kit. . . . .	70
Axygen® AxyPrep MAG PCR Clean-up Kit . . . . .	71
Axygen® AxyPrep MAG PCR Normalizer Kit . . . . .	72
Axygen® AxyPrep MAG FragmentSelect-I Kit . . . . .	73
Axygen® AxyPrep MAG DyeClean Up Kit . . . . .	74
Axygen® AxyPrep MAG Kit Compatibility Chart . . . . .	75
Axygen® IMAG™ Handheld Magnetic Beads Separation Devices . . . . .	75

## Product Ordering Information

Products may not be available in all markets. For information on Purchasing Options, Terms and Conditions of Sale, Return and Repair Policies, and Warranty/Guarantee Registration, visit [www.corning.com/how-to-buy](http://www.corning.com/how-to-buy).



# Overview – Sample Prep Solutions for Genomics



The purification of high quality DNA/RNA is the first essential step for any genomics-based downstream application. Poor quality may contribute significantly to the failure of downstream applications and thus delay research and increase overall research costs.

There is little room for error when processing these samples, so utilizing a high quality nucleic acid purification technology becomes essential.

Corning has a comprehensive range of magnetic beads-based isolation reagents. The Axygen® AxyPrep Magnetic (MAG) Bead Purification Kits utilize a unique paramagnetic bead-based chemistry for the purification and clean-up of nucleic acids for many genomics downstream applications such as DNA sequencing, genotyping, and gene expression. Free of major hazardous chemicals, our products do not compromise on performance featuring high quality, high yields, excellent sample concentration, and long sequencing reads. Additionally, this makes our MAG kits easy to transport and store.



Axygen IMAG Magnetic Separation Devices (MSD) and AxyPrep Magnetic Bead Purification Kits cut the total separation process and labor by up to 50%. IMAG MSDs are available in tube (IMAG-12T) or 96-well microplate format (IMAG-96P). They enable manual users to process any magnetic beads-based purification or clean-up process as easily and conveniently as automation users for use in biological research, including nucleic acid purification and clean-up, cell-based assays, and antibody and protein purification.

Our kits have been adopted by life science research institutes worldwide and continue to generate satisfaction and compliments from our customers for their excellent quality and performance.

For a demonstration, contact your local Corning Life Sciences Account Manager.



## Axygen® AxyPrep MAG Tissue-Blood gDNA Kit



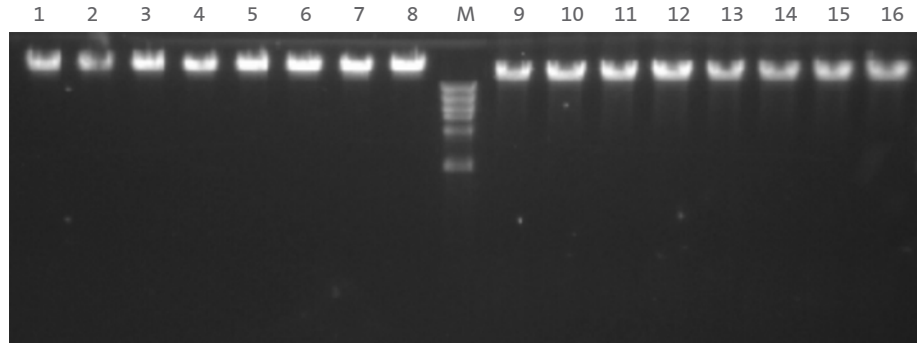
### Applications

- ▶ Restriction enzyme digestion
- ▶ DNA sequencing
- ▶ Genotyping
- ▶ PCR amplification

### One Kit for Multiple Sample Types

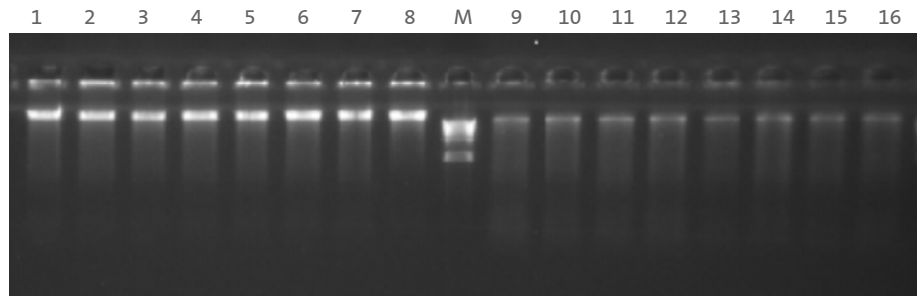
The Axygen AxyPrep MAG Tissue-Blood gDNA Kit utilizes a magnetic beads-based technology to isolate genomic DNA from rodent tail tissues. This protocol provides instruction to extract gDNA from fresh or frozen rodent tails. The protocol is performed in 96-well format and 1.5 mL tubes. Purification begins by the addition of lysis buffer, and Proteinase K to rupture cell membranes and digest protein. Genomic DNA is then immobilized on magnetic particles by the addition of a magnetic binding reagent. This differential binding allows the gDNA to be easily separated from contaminants using a magnetic field. Contaminants can then be rinsed away using a simple washing procedure.

- ▶ Expanded protocol for animal tissue, cultured cells, buccal swabs, and blood



DNA tissue from chicken liver purified with the Axygen AxyPrep MAG Tissue and Blood gDNA Kit. 1% Gel run at 130 V for 10 minutes. 5  $\mu$ L DNA Solution used in each gel well. Elution volume = 200  $\mu$ L.

Lane 1 - 8	Axygen	10 mg of fresh chicken liver
M	Axygen 1 Kb DNA Ladder	
Lane 9 - 16	Comparative	10 mg of fresh chicken liver



Human Whole Blood stored in EDTA purified with the Axygen AxyPrep MAG Tissue and Blood gDNA Kit. 1% Gel run for 15 minutes. For the comparative, 200  $\mu$ L Elution Buffer used and 10  $\mu$ L DNA solution used for each well. For Axygen, 100  $\mu$ L Elution Buffer used, and 5  $\mu$ L DNA solution used for each well.

Lane 1 - 8	Axygen	200 $\mu$ L Human whole blood stored in EDTA
M	Axygen 1 Kb DNA Ladder	
Lane 9 - 16	Comparative	200 $\mu$ L Human whole blood stored in EDTA

Cat. No.	Description	Kit Size
MAG-T-GDNA-S	AxyPrep MAG Tissue-Blood gDNA Kit, small	96 preps
MAG-T-GDNA-M	AxyPrep MAG Tissue-Blood gDNA Kit, medium	384 preps

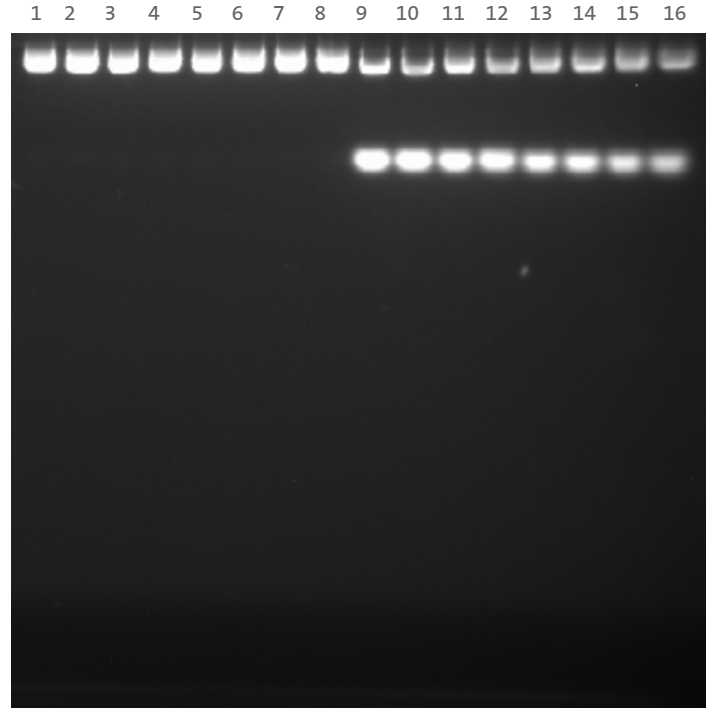
## Axygen® AxyPrep MAG Plasmid Kit

The Axygen AxyPrep MAG Plasmid Purification Kit utilizes a magnetic beads-based technology for high throughput purification of plasmid DNA from *Escherichia coli* cells. The AxyPrep MAG Plasmid Kit can also be used with fosmid and BAC vector-based constructs ranging from 5 Kb to 150 Kb. The system consists of steps of pelleting cells, resuspension, lysis, neutralization, DNA binding, ethanol washing, and plasmid elution. The protocol is automation-compatible.



### Applications

- ▶ Fluorescent DNA sequencing
- ▶ Transformation
- ▶ DNA sequencing (including capillary electrophoresis)
- ▶ PCR amplification
- ▶ Restriction enzyme digestion



RNA contamination causes inaccurate plasmid yields. No RNA contamination is visible with the Axygen AxyPrep MAG Plasmid Kit when compared to the comparative.

Different size plasmid purified with the AxyPrep MAG Plasmid Kit. 1% TBE Agarose Gel run at 120 V for 12 minutes. 5 µL loaded on agarose gels. Elution volume = 40 µL, Plasmid size: 6K

Lane 1 - 8	Axygen	800 µL of 2xYT
Lane 9 - 16	Comparative	800 µL of 2xYT

Cat. No.	Description	Kit Size
MAG-P-S	AxyPrep MAG Plasmid Kit, small	96 preps
MAG-P-M	AxyPrep MAG Plasmid Kit, medium	384 preps



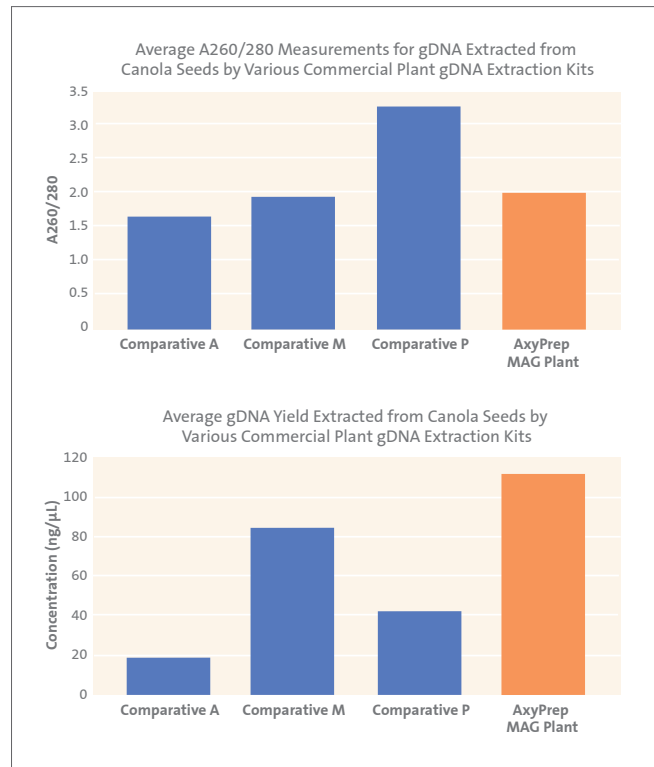
## Axygen® AxyPrep MAG Plant Genomic DNA Extraction Kit

The Axygen AxyPrep MAG Plant gDNA Extraction Kit is a magnetic beads-based purification system that allows rapid and reliable isolation of high quality gDNA from a wide variety of plant samples. Up to 96 samples (50 mg fresh tissue per sample or 15 mg of dried tissue per sample) can be processed in less than one hour. The AxyPrep MAG Plant gDNA Extraction Kit efficiently eliminates polysaccharides, phenolic compounds and enzyme inhibitors with no organic extractions. This kit is adaptable for use on major liquid handling workstations for high throughput processing.

- ▶ Simplified extraction process
- ▶ Non-alcohol-based purification
- ▶ Compatible with genomics downstream applications
- ▶ High quality, high-yield DNA
- ▶ Manual and automation-friendly

### Applications

- ▶ PCR
- ▶ Sanger and Next Generation sequencing
- ▶ Fragment analysis
- ▶ Genotyping and SNP detection
- ▶ Restriction enzyme clean-up



Comparison of DNA extracted using Axygen AxyPrep MAG Plant gDNA Kit versus comparable P's equivalent kit. Using liquid nitrogen, canola seeds were ground to fine powder. Twenty milligrams were weighed into a 1.5 mL tube for extraction. Quality was measured with A260/280 (top). Yields were measured with PicoGreen (bottom).

Cat. No.	Description	Kit Size
MAG-PLANT-GDNA-10	AxyPrep MAG Plant gDNA Extraction Kit, 10 mL	10 preps
MAG-PLANT-GDNA-S	AxyPrep MAG Plant gDNA Extraction Kit, small	96 preps
MAG-PLANT-GDNA-M	AxyPrep MAG Plant gDNA Extraction Kit, medium	384 preps



## Axygen® AxyPrep MAG PCR Clean-up Kit

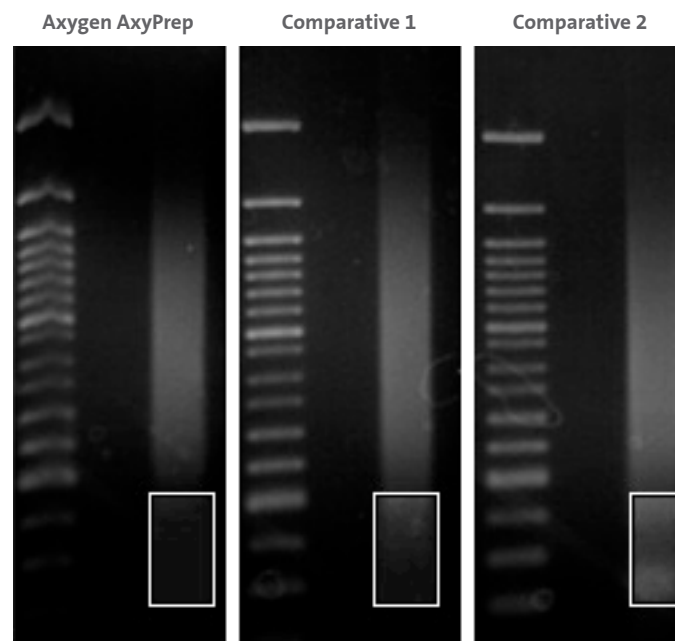


### Applications

- ▶ Sanger sequencing
- ▶ Next Generation sequencing

The Axygen AxyPrep MAG PCR Clean-up Kit is designed for efficient removal of unincorporated dNTPs, salts, and enzymes after any post-PCR. These contaminants are detrimental to the success of downstream applications such as genotyping Sanger and next generation sequencing. The AxyPrep MAG PCR Clean-up Kit utilizes a unique paramagnetic bead technology for quick high-throughput purification of PCR amplicons. AxyPrep MAG PCR Clean-up utilizes an optimized buffer to selectively bind PCR amplicons of 60 to 100 bp or >100 bp to paramagnetic beads, providing end users flexibility and high recovery options with efficient primer-dimer removal based on their downstream application needs. The protocol mainly consists of binding, washing, and elution steps. Primers, nucleotides, salts and enzymes in PCR mixture are removed during the binding and washing steps. The purified PCR product is essentially free of contaminants.

- ▶ Flexible clean-up: High recovery of amplicons with the option to choose recovery of >60 bp or >100 bp
- ▶ Efficient removal of unincorporated dNTPs, primers, primer dimers, salts, and other contaminants
- ▶ Manual and automation-compatible protocol
- ▶ Processing time: 15 minutes/96 samples
- ▶ No centrifugation or filtration required



### Efficient Removal of Primer Dimers.

Eliminates extra clean-up steps and reduces the potential of sequencing bias. Gel images of post clean-up of an Illumina library post adaptor ligation. The white box demonstrates that Axygen AxyPrep MAG Clean-up results in no primer dimer carry over which can be observed with Comparative 1 and Comparative 2.

Cat. No.	Description	Kit Size
MAG-PCR-CL-5	AxyPrep MAG PCR Clean-up Kit, 5 mL	227 preps
MAG-PCR-CL-50	AxyPrep MAG PCR Clean-up Kit, 50 mL	2,777 preps
MAG-PCR-CL-250	AxyPrep MAG PCR Clean-up Kit, 250 mL	13,888 preps

## Axygen® AxyPrep MAG PCR Normalizer Kit

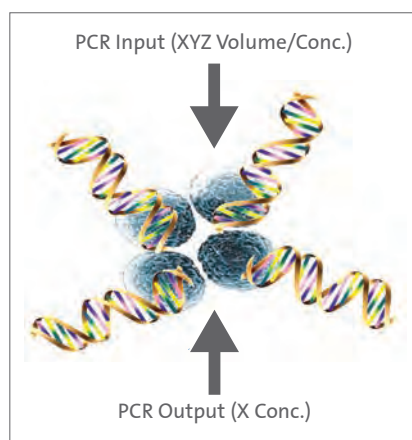


The Axygen AxyPrep MAG PCR Normalizer Kit utilizes a paramagnetic beads-based purification system for post-PCR clean-up. AxyPrep MAG PCR Normalizer beads have limited binding surface, therefore by limiting the amount of beads added in a given purification reaction, pre-defined amount of DNA can be isolated based on customers need. PCR normalization is accomplished during this purification process so that additional DNA quantification and dilution are not necessary. Time, labor, and reagent cost are greatly saved with the AxyPrep MAG unique normalization purification chemistry, therefore efficiently streamlining genomics downstream applications. The protocol mainly consists of binding, washing, and elution steps, and it can be performed directly in the thermal cycling plate and requires no centrifugation or filtration. The process can be automated with walk away solution for high throughput applications.

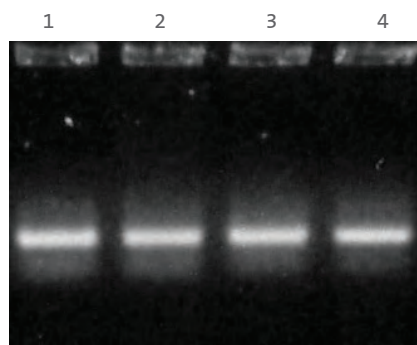
### Applications

- ▶ Sanger sequencing
- ▶ Next Generation sequencing

- ▶ Dual action: Normalization and post PCR clean-up enables significant reduction in processing and faster turnaround times
- ▶ Scalable: Tube, 96- and 384-well microplate formats
- ▶ Manual and automation-compatible protocol
- ▶ Compatible with several downstream applications
- ▶ No centrifugation or filtration required



Dual action: Post-PCR product normalization and clean-up. Regardless of the post-PCR product volume or concentration added to the Axygen AxyPrep MAG PCR Normalizer, the output would be a normalized PCR product to the desired concentration without primer dimer, free dNTPs, or salts carry over.



Gel image of various PCR product volumes from a 50 µL PCR reaction treated with AxyPrep MAG PCR Normalizer. Regardless of PCR input, a similar amount of PCR Fragment is recovered.

- Lane 1 5 µL PCR product
- Lane 2 10 µL PCR product
- Lane 3 15 µL PCR product
- Lane 4 20 µL PCR product

Cat. No.	Description	Kit Size
MAG-PCR-NM-5	AxyPrep MAG PCR Normalizer Kit, 5 mL	96 preps
MAG-PCR-NM-50	AxyPrep MAG PCR Normalizer Kit, 50 mL	384 preps
MAG-PCR-NM-250	AxyPrep MAG PCR Normalizer Kit, 250 mL	1,920 preps



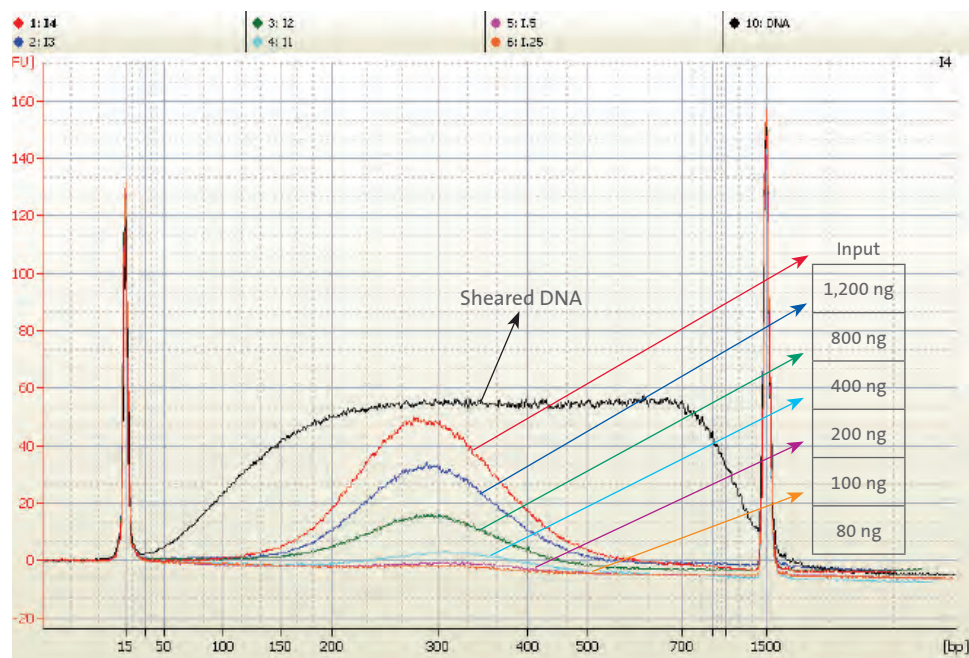
### Applications

- ▶ Illumina Next Generation sequencing
- ▶ Life Technologies (Ion Torrent) fragment size selection
- ▶ Library construction

## AxyPrep<sup>®</sup> AxyPrep MAG FragmentSelect-I Kit

Post DNA shearing, the library construction process for next generation sequencing mostly requires fragment selection regardless of the platform. Obtaining high recovery post-fragment selection is becoming an important contributor for the reduction of sequencing bias. The AxyPrep MAG FragmentSelect-I Kit is optimized for Illumina<sup>®</sup> next generation sequencing platforms and Life Technologies (Ion Torrent) fragment size selection needs in next generation sequencing (NGS) library construction workflow. The AxyPrep MAG FragmentSelect-I Kit utilizes a unique paramagnetic bead technology for quick high throughput optimized DNA size selection suitable for various next generation sequencing platforms.

- ▶ AxyPrep MAG FragmentSelect-I Kit optimized fragment selection chemistries for Illumina and Ion Torrent
- ▶ Versatile and flexible sequential fragment size selection: No gels needed
- ▶ Efficient removal of primer-dimers: No need for further clean-up steps
- ▶ Manual and automation-compatible
- ▶ Scalable: Tube, 96- and 384-well microplate formats
- ▶ No centrifugation or filtration required



Consistently High Amplicon Recovery. The effect of concentration of input DNA on fragment selection measured by Agilent BioAnalyzer on a High Sensitivity DNA chip.

Cat. No.	Description	Kit Size
MAG-FRAG-I-5	AxyPrep MAG FragmentSelect-I Kit, 5 mL	4 preps
MAG-FRAG-I-50	AxyPrep MAG FragmentSelect-I Kit, 50 mL	380 preps
MAG-FRAG-I-250	AxyPrep MAG FragmentSelect-I Kit, 250 mL	1,900 preps



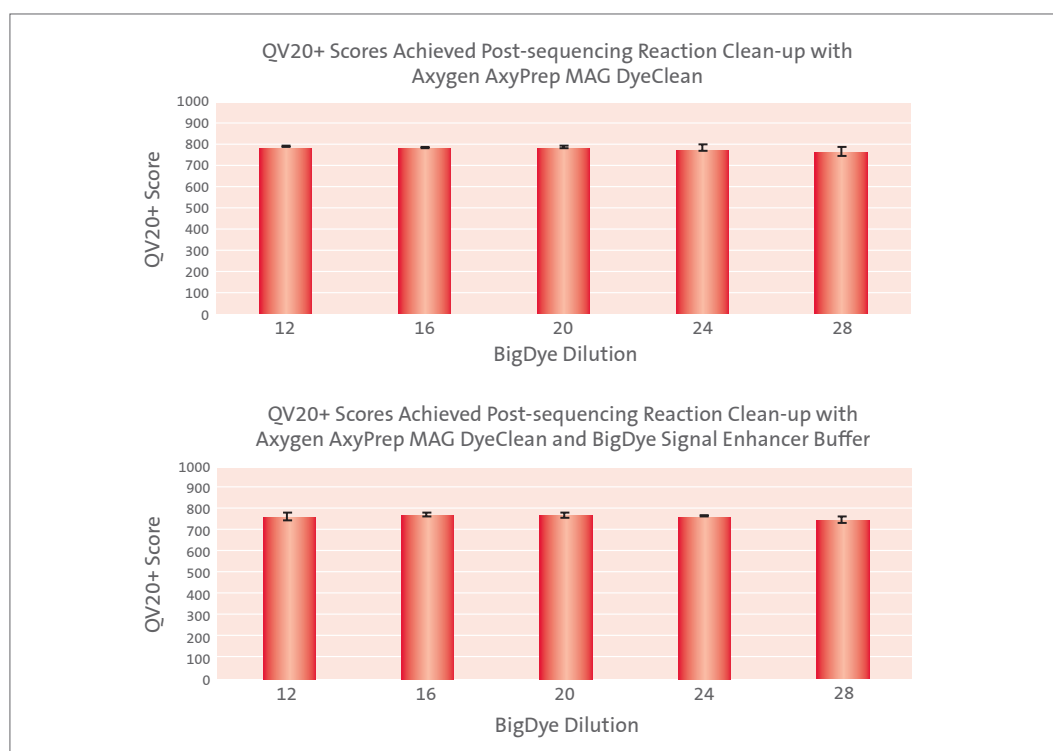
### Applications

- ▶ Sanger sequencing

## Axygen® AxyPrep MAG DyeClean Up Kit

Excess dye terminator clean-up is an essential step prior to sequencing. The carry-over of excess dye into sequencing results in dye blobs, which leads to overwhelming noise and failed calls of sequenced bases and potentially leading to the failure of the sequencing run. The Axygen AxyPrep MAG DyeClean utilizes a unique paramagnetic bead-based sequencing purification system optimized for the clean-up of excess dye terminator post-sequencing reaction in Sanger sequencing. The protocol mainly consists of binding, washing and elution steps, and can be performed directly in the thermal cycling plate and requires no centrifugation or filtration.

- ▶ Saving time and money: Significant BigDye savings without incurring extra cost and processing time with the unneeded BigDye signal enhancer buffer, while maintaining high QV20+ scores
- ▶ High signal to noise ratio resulting in long reads and high QV20+ scores
- ▶ Suitable for the clean-up of sequencing reaction of different Sanger sequencing-based platforms – ABI® Prism 3730, 3730xl, 3700, 3130, 31030xl, and 3100 – GE Healthcare MegaBACE
- ▶ Simple and easy sequencing reaction clean-up process: 25 min./96 samples
- ▶ No centrifugation or filtration required



**Savings Achieved on BigDye Without the Need for a Signal Enhancer While Maintaining High QV20+ Scores.** The QV20+ scores achieved indicates that there is no need for the use of the BigDye Signal Enhancer buffer (MCLab) when AxyPrep MAG DyeClean is utilized for the post-sequencing reaction clean-up. Sequencing reactions were performed with plasmid and primer provided in the BigDye v3.1 kit. The sequencing reactions contained 250 ng of pGEM 3Zf(+) control plasmid, 3.2 pmol of M13(-21) primer and the indicated amount of BigDye v3.1 in a final volume of 10  $\mu$ L. The samples were processed on ABI 3730xl.

Cat. No.	Description	Kit Size
MAG-DYECL-5	AxyPrep MAG PCR DyeClean Kit, 5 mL	500 preps
MAG-DYECL-50	AxyPrep MAG PCR DyeClean Kit, 50 mL	5,000 preps
MAG-DYECL-250	AxyPrep MAG PCR DyeClean Kit, 250 mL	25,000 preps



### Applications

- ▶ Nucleic acid purification and clean-up
- ▶ Cell-based assays
- ▶ Antibody and protein purifications

## Axygen® IMAG™ Handheld Magnetic Beads Separation Devices

The use of magnetic separation devices (MSDs) are essential in any paramagnetic beads-based purification process. Traditionally, MSDs are not optimized for manual use and most require electrically powered liquid handling systems. IMAG MSDs are available in tube or microplate format and are designed to simplify the manual processing of magnetic bead separations, including nucleic acid purification and clean-up, cell-based assays, and antibody and protein purifications.

- ▶ IMAG MSDs accommodate single tube or 96-well microplate formats
- ▶ Fast separation time
  - Strong magnets enable less than 30-second separation times
  - Holds tubes or microplate enabling fast wash steps
- ▶ Manual operation enables low or high throughput

### IMAG-96P: Separation of magnetic beads in microplate format



10 seconds after separation process



20 seconds after separation process



30 seconds after separation process

### IMAG-12T: Separation of magnetic beads in tube format



10 seconds after separation process



20 seconds after separation process



30 seconds after separation process

Cat. No.	Description	Packaging
IMAG-12T	IMAG magnetic hand-held device for screw cap tubes	1 unit
IMAG-96P	IMAG universal magnetic hand-held device for PCR and 96-well microplates	1 unit

## Axygen® AxyPrep MAG Kit Compatibility Chart

Axygen AxyPrep MAG Kit	Use It To	Applications
AxyPrep MAG DyeClean	Efficiently remove primer-dimers from PCR amplicons	Sanger and NGS, Post PCR clean-up
AxyPrep MAG FragmentSelect-I	Clean and select desired DNA fragments from 150 bp to 1 kb	NGS on Illumina® and Ion Torrent, library construction
AxyPrep MAG PCR Clean-up	Clean-up PCR amplicons	Sanger and NGS, genotyping, SNP, cloning
AxyPrep MAG PCR Normalizer	Avoid quantification by normalization	NGS
AxyPrep MAG Plant gDNA	Extract gDNA from plant tissues	Sanger and NGS, genotyping, SNP, qPCR
AxyPrep MAG Plasmid	Extract plasmid DNA from bacteria	Sanger and NGS, PCR amplification, restriction enzyme digestion
AxyPrep MAG Tissue-Blood gDNA	Extract gDNA from blood and mammalian tissues	Sanger and NGS, genotyping, SNP, qPCR
AxyPrep MAG Viral Nucleic Acid	Extract nucleic acid from RNA/DNA samples	Sanger and NGS, genotyping, SNP, qPCR

# Axygen® Equipment



Axygen® Gel Documentation Systems . . . . .	77
Axygen® Horizontal Gel Boxes . . . . .	80
Axygen® Power Supplies . . . . .	83
Axygen® MaxyGene II Thermal Cyclers . . . . .	85
Axygen® PlateMax™ Semi-automatic Plate Sealers . . . . .	87
Axygen® Axyspin Refrigerated Microcentrifuges . . . . .	89
Axygen® Axyspin Mini Plate Spinner Centrifuges . . . . .	90
Axygen® Axypet® Pro Single- and Multi-channel Pipettors . . . . .	91
Axygen® Axypet® Single- and Multi-channel Pipettors . . . . .	92
Axygen® MotoPet™ Pipet Controller . . . . .	94

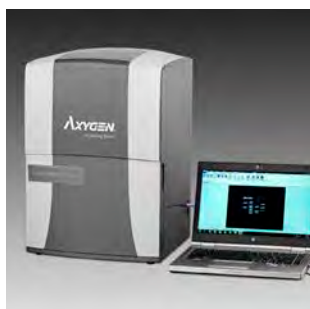
## Product Ordering Information

Products may not be available in all markets. For information on Purchasing Options, Terms and Conditions of Sale, Return and Repair Policies, and Warranty/Guarantee Registration, visit [www.corning.com/how-to-buy](http://www.corning.com/how-to-buy).

# Axygen® Gel Documentation Systems



Axygen Gel Documentation System-BL



Axygen Gel Documentation System

Axygen Gel Documentation systems easily capture publication quality, 16 bit TIFF images. The systems are quick to set up and have an intuitive user interface for image capture, annotation, and contrast adjustment. Images are easily saved and opened in common gel analysis software for more detailed analysis.

- ▶ Auto exposure—you never have to manually manipulate the camera
- ▶ Ready-to-use—just connect the computer\* and load the software
- ▶ Long-life dual wavelength transilluminators
- ▶ Exceptionally high resolution (5.4 MP) camera
- ▶ The cabinet is compact with an ultra-violet (UV) cut-off switch to prevent exposure to UV light if the cabinet door is opened while the UV light is on.

## Choose from Two Axygen Gel Documentation Systems

The **Axygen Gel Documentation System** is an ideal system for labs that want good value without compromising ease of use or image quality. It includes a dual-wavelength transilluminator, 5.4 MP image resolution camera, and image acquisition software (PC not included).

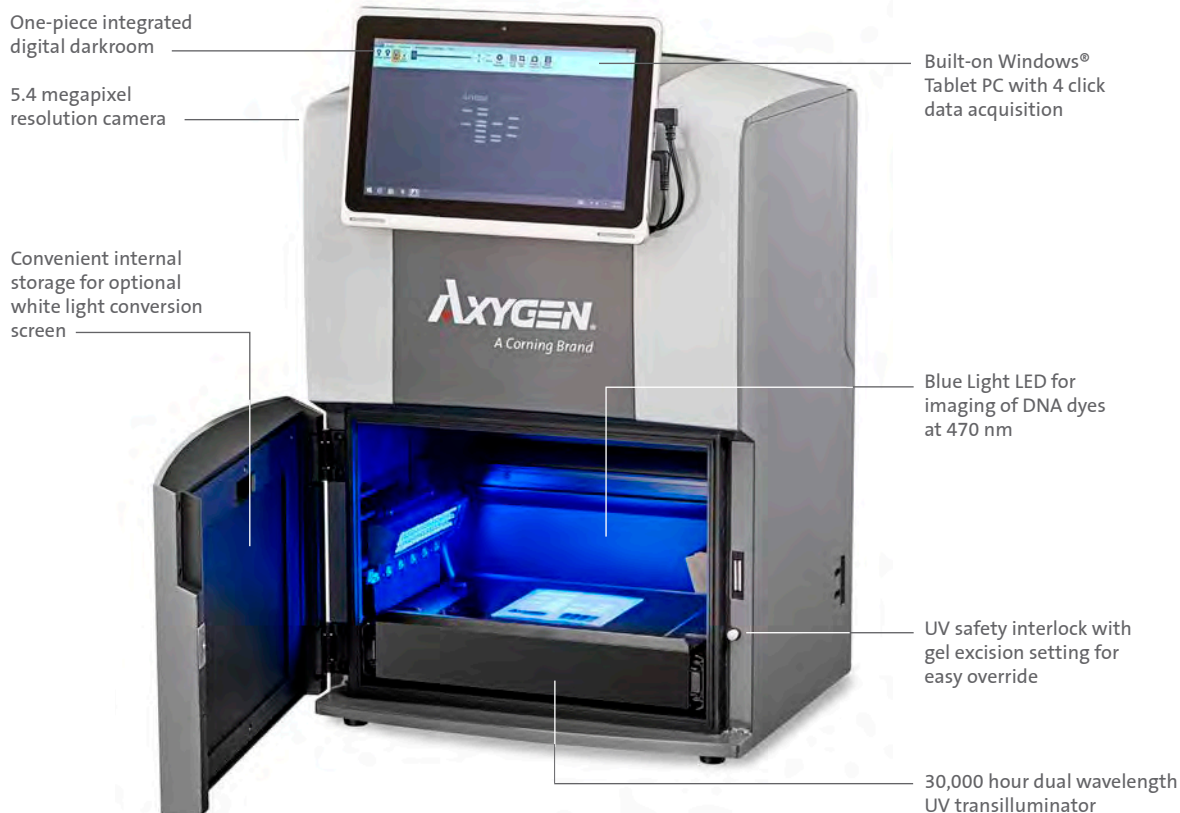
The **Axygen Gel Documentation System-BL** has all the features of the standard Axygen Gel Documentation system, as well as built-in blue lights and a built-on Microsoft® Windows® tablet. The blue lights are designed for use with EtBr replacement dyes to prevent damage to DNA that will be excised for subsequent analysis.

- ▶ Darkroom tab lets you select from UV 302, UV 365, Epi White, or Epi Blue (BL system only) light sources, as well as an optional Trans White light illumination tray.
- ▶ Auto Exposure tool calculates the optimal exposure time with just a single click. You can also use the Slider tool to manually adjust the exposure time and view an updated live image.
- ▶ Select ROI tool allows you to select a region of interest. The Auto Exposure calculations are only based on the selected region. This feature is especially useful for gels that have either intense or faint bands.
- ▶ Band Excision tool allows you to temporarily override the safety precautions in the system to view the gel with the lights on.\*\*
- ▶ Imaging tools include crop, rotate, resize, contrast, saturation, and zoom. Annotation tools include a variety of text and drawing tools. Finished images can be saved, printed, emailed, or exported for further analysis.
- ▶ Transillumination bulbs last for 30,000 hours—which equals over 3.5 years if the bulbs were in continuous use.

\*BL model includes tablet computer.

\*\*Always wear protective eyewear when working with UV light.

## Everything You Expect From a High Resolution Gel Doc System—Except the High Price.



Axygen® Gel Documentation System-BL

### Specifications

Axygen System	Gel Documentation System	Gel Documentation System-BL
Camera	5.4 MP image resolution	5.4 MP image resolution
Lens	f1.8	f1.8
Light Sources	<ul style="list-style-type: none"> <li>▶ Epi White</li> <li>▶ Dual wavelength transillumination at 302 nm and 365 nm</li> </ul>	<ul style="list-style-type: none"> <li>▶ Epi White</li> <li>▶ Dual wavelength transillumination at 302 nm and 365 nm</li> <li>▶ Epi Blue</li> </ul>
Field of View	15 cm x 20 cm	15 cm x 20 cm
Cabinet	<ul style="list-style-type: none"> <li>▶ Door sensor to prevent accidental exposure to UV; automatically shuts off UV light when door is open</li> <li>▶ Safety override, enabling band cutting on the UV transilluminator with automatic turn off after 5 minutes</li> </ul>	<ul style="list-style-type: none"> <li>▶ Door sensor to prevent accidental exposure to UV; automatically shuts off UV light when door is open</li> <li>▶ Safety override, enabling band cutting on the UV transilluminator with automatic turn off after 5 minutes</li> </ul>
Emission Filter	590 nm	590 nm
3-position Filter Slider	No	Yes
Certifications	CE, cTUVus	CE, cTUVus
Product Footprint	12 x 15 in. (30.48 x 38.1 cm)	12 x 15 in. (30.48 x 38.1 cm)
Computer	<ul style="list-style-type: none"> <li>▶ Operating system: Microsoft® Windows® 7 and above</li> <li>▶ Minimum hardware requirements: Intel® processor, 1.4 GHz processor speed, 2 GB RAM, 16 GB free hard disk space, 2 USBs</li> </ul>	<ul style="list-style-type: none"> <li>▶ Tablet included: Windows 10 tablet computer enables compatibility with existing networks, as well as easy setup</li> <li>▶ Bluetooth and wireless compatible, or USB to LAN compatible</li> <li>▶ 12" touch screen</li> <li>▶ 256 GB of storage for short-term data saving</li> </ul>



## Axygen® Gel Documentation Systems and Accessories

Cat. No.	Description	Qty/Pk	Qty/Cs
GD-1000	Gel Documentation System	1	1
GDBL-1000	Gel Documentation System-BL	1	1
GD-BLCS	Gel Documentation System blue light conversion screen for GD-1000	1	1
GD-WLCS	Gel Documentation System white light conversion screen for GD-1000 and GDBL-1000	1	1
GD-GCT	Gel carrying tray for GD-1000 and GDBL-1000	1	1
GDBL-PRT	Thermal printer	1	1
GD-PAPER	Thermal printer paper	1	1
GD-1D	1 user license of Total Lab 1D (more user licenses available upon request)	1	1
GDBL-BLUE	Optional blue filter (497 nm)	1	1
GDBL-GREEN	Optional green filter (572 nm)	1	1
GD-GCS	UV transmitting tray that protects UV transilluminator when cutting out bands	1	1
GD-OG	Orange glasses ideal for reducing background when cutting out bands with blue light	1	1
GD-USBS	USB hub	1	1
GD-USBMK	USB mouse and keyboard	1	1

## Axygen Gel Cutting Pipet Tips

Cat. No.	Description	Qty/Pk	Qty/Cs
TGL-1165	1.1 mm x 6.5 mm gel cutting pipet tips	250	2,500
TGL-1165-R	1.1 mm x 6.5 mm gel cutting pipet tips	480	2,400
TGL-1140	1.1 mm x 4 mm gel cutting pipet tips	250	2,500
TGL-1140-R	1.1 mm x 4 mm gel cutting pipet tips	480	2,400

## Axygen Gel Loading Pipet Tips

TGL-10FT-17-R	0.17 mm, 10 µL racked flat gel loading pipet tips	400	400
TGL-200FT-37-R-S	0.37 mm, 200 µL racked flat gel loading pipet tips, sterile	400	400
TGL-200FT-37-R	0.37 mm, 200 µL racked flat gel loading pipet tips	400	400
TGL-200RD-57-R-S	0.57 mm, 200 µL racked round gel loading tips, sterile	400	400
TGL-200RD-57-R	0.57 mm, 200 µL racked round gel loading tips	400	400

## Axygen DNA Markers

M-DNA-100BP	100 bp DNA ladder, 500 µL	1	1
M-DNA-1KB	1 kb DNA ladder, 500 µL	1	1

## Axygen Agarose

AGR-LE-100	Agarose LE, low EEO, molecular biology grade, 100 g	1	1
AGR-LE-1001	Agarose LE, low EEO, molecular biology grade, 100 g	10	10
AGR-LE-500	Agarose LE, low EEO, molecular biology grade, 500 g	1	1
AGR-LE-5001	Agarose LE, low EEO, molecular biology grade, 500 g	10	10
AGR-LM-50	Agarose LM, low melting, molecular biology grade, 50 g	1	1
AGR-LM-501	Agarose LM, low melting, molecular biology grade, 50 g	10	10
AGR-LM-100	Agarose LM, low melting, molecular biology grade, 100 g	1	1
AGR-LM-1001	Agarose LM, low melting, molecular biology grade, 100 g	10	10
AGR-MS-50	Agarose MS, PCR screening, molecular biology grade, 50 g	1	1
AGR-MS-501	Agarose MS, PCR screening, molecular biology grade, 50 g	10	10
AGR-MS-100	Agarose MS, PCR screening, molecular biology grade, 100 g	1	1
AGR-MS-1001	Agarose MS, PCR screening, molecular biology grade, 100 g	10	10

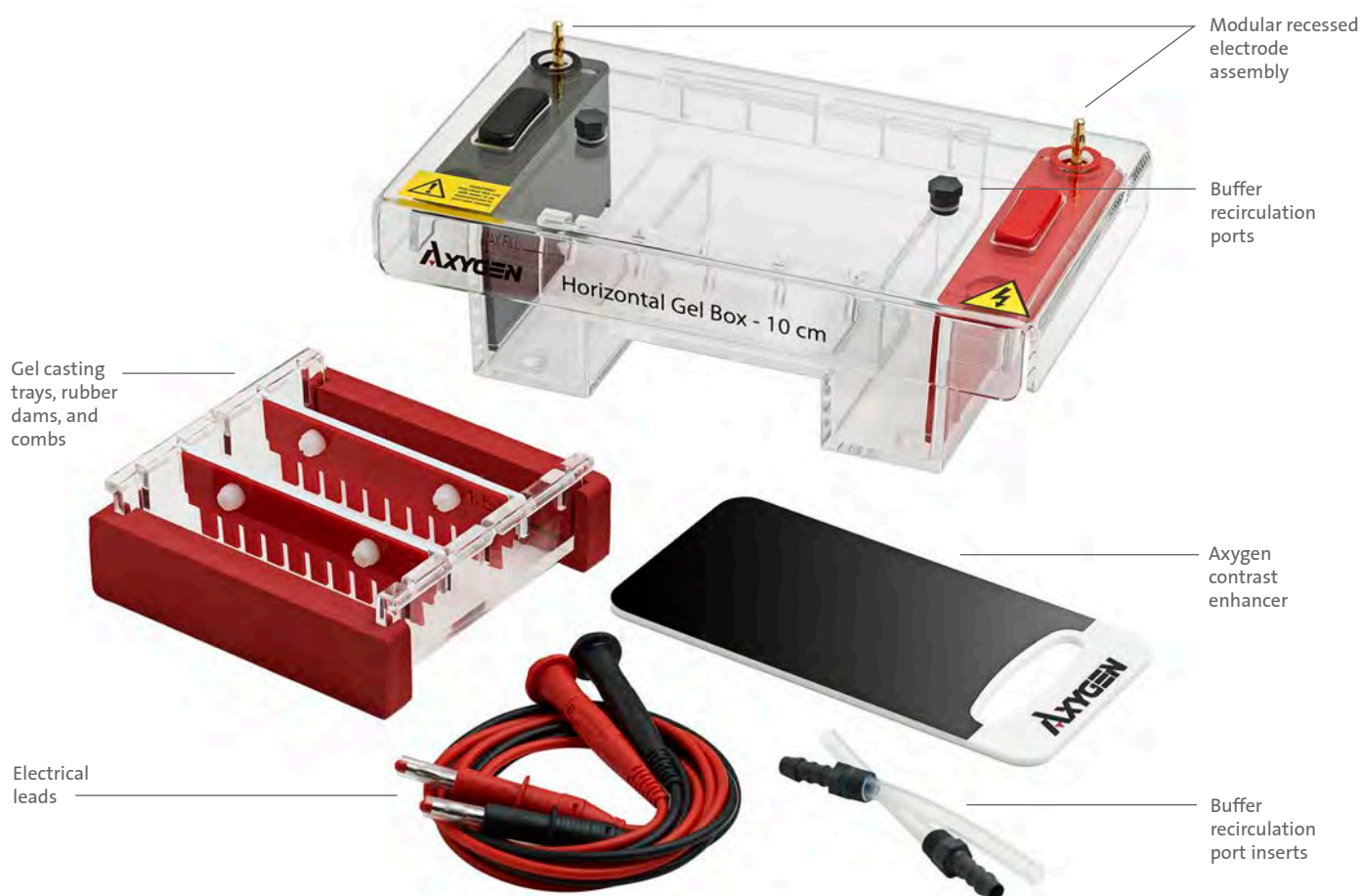
## Corning® Buffers

46-011-CM	TBE buffer, pH 8.4 ± 0.1, RNase-/DNase- and protease-free, 10X	1L	6
46-010-CM	TAE buffer, pH 8.3 ± 0.1, RNase-/DNase- and protease-free, 10X	1L	6

# Axygen® Horizontal Gel Boxes

Axygen horizontal gel boxes are high quality, full featured units designed for exceptional durability and efficiency. The gel boxes feature leak-free external gel casting, which allows you to cast one gel outside of the box while another gel is running inside. The units are available in four different sizes, and each unit comes with two sizes of gel trays. In addition, they have easy to replace electrodes that are recessed to reduce potential damage. These gel boxes are an excellent value that will provide years of reliable service.

- Flexibility – each unit comes with 2 sizes of gel trays to optimize applications.
- External gel casting to gel box allows for running gels while casting the next one.
- Ease of use – the Axygen contrast enhancer makes loading gels easier.
- Rugged injection molding is supported by a 3-year warranty.
- Larger units come with recirculation ports allowing for buffer exchange.



## Axygen® Horizontal Gel Boxes

Four sizes of horizontal tanks. Each comes with 2 sizes of gel trays which allow for external gel casting. Three larger sizes come with recirculation ports for use as needed.



### HGB-7

Tray sizes	7 x 7 cm, 7 x 10 cm
Recirculation ports	No
Combs	2 x 8 well, 1.5 mm thickness



### HGB-10

Tray sizes	10 x 10 cm, 10 x 12 cm
Recirculation ports	Yes
Combs	2 x 10 multi-channel compatible well, 1.5 mm thickness



### HGB-15

Tray sizes	15 x 10 cm, 15 x 15 cm
Recirculation ports	Yes
Combs	1 x 16 multi-channel compatible well, 1.5 mm thickness 1 x 20 well, 1.5 mm thickness



### HGB-20

Tray sizes	20 x 20 cm, 20 x 25 cm
Recirculation ports	Yes
Combs	2 x 20 multi-channel compatible well, 1.5 mm thickness 2 x 40 multi-channel compatible well, 1.5 mm thickness

## Combs and Accessories

### Axygen Horizontal Gel Box, 7 cm

Cat. No.	Description	Qty/Cs
HGB-7	Axygen horizontal gel box, 7 cm	1
HGB7-5-15	5-well comb for use with 7 cm gel box, 1.5 mm thickness	1
HGB7-8-075	8-well comb for use with 7 cm gel box, 0.75 mm thickness	1
HGB7-8-1	8-well comb for use with 7 cm gel box, 1.0 mm thickness	1
HGB7-10-1	10-well comb for use with 7 cm gel box, 1.0 mm thickness	1
HGB7-10-15	10-well comb for use with 7 cm gel box, 1.5 mm thickness	1
HGB7-12MC-1	12-well multi-channel compatible comb for use with 7 cm gel box, 1.0 mm thickness	1
HGB7-12MC-15	12-well multi-channel compatible comb for use with 7 cm gel box, 1.5 mm thickness	1
HGB7-16-1	16-well comb for use with 7 cm gel box, 1.0 mm thickness	1
HGB7-16-15	16-well comb for use with 7 cm gel box, 1.5 mm thickness	1

### Axygen Horizontal Gel Box, 10 cm

Cat. No.	Description	Qty/Cs
HGB-10	Axygen horizontal gel box, 10 cm	1
HGB10-8-1	8-well comb for use with 10 cm gel box, 1.0 mm thickness	1
HGB10-10MC-1	10-well multi-channel compatible comb for use with 10 cm gel box, 1.0 mm thickness	1
HGB10-10MC-15	10-well multi-channel compatible comb for use with 10 cm gel box, 1.5 mm thickness	1
HGB10-12-075	12-well comb for use with 10 cm gel box, 0.75 mm thickness	1
HGB10-12-1	12-well comb for use with 10 cm gel box, 1.0 mm thickness	1
HGB10-12-15	12-well comb for use with 10 cm gel box, 1.5 mm thickness	1
HGB10-16-075	16-well comb for use with 10 cm gel box, 0.75 mm thickness	1
HGB10-16-1	16-well comb for use with 10 cm gel box, 1.0 mm thickness	1
HGB10-16-15	16-well comb for use with 10 cm gel box, 1.5 mm thickness	1
HGB10-16-2	16-well comb for use with 10 cm gel box, 2.0 mm thickness	1
HGB10-20MC-1	20-well multi-channel compatible comb for use with 10 cm gel box, 1.0 mm thickness	1
HGB10-20MC-15	20-well multi-channel compatible comb for use with 10 cm gel box, 1.5 mm thickness	1
HGB10-25-1	25-well comb for use with 10 cm gel box, 1.0 mm thickness	1
HGB10-25-2	25-well comb for use with 10 cm gel box, 2.0 mm thickness	1

## Axygen® Horizontal Gel Box, 15 cm

Cat. No.	Description	Qty/Cs
HGB-15	Axygen horizontal gel box, 15 cm	1
HGB15-8-15	8-well comb for use with 15 cm gel box, 1.5 mm thickness	1
HGB15-10-1	10-well comb for use with 15 cm gel box, 1.0 mm thickness	1
HGB15-10-15	10-well comb for use with 15 cm gel box, 1.5 mm thickness	1
HGB15-12-1	12-well comb for use with 15 cm gel box, 1.0 mm thickness	1
HGB15-12-15	12-well comb for use with 15 cm gel box, 1.5 mm thickness	1
HGB15-14MC-1	14-well multi-channel compatible comb for use with 15 cm gel box, 1.0 mm thickness	1
HGB15-14MC-15	14-well multi-channel compatible comb for use with 15 cm gel box, 1.5 mm thickness	1
HGB15-14MC-2	14-well multi-channel compatible comb for use with 15 cm gel box, 2.0 mm thickness	1
HGB15-16-1	16-well comb for use with 15 cm gel box, 1.0 mm thickness	1
HGB15-16MC-1	16-well multi-channel compatible comb for use with 15 cm gel box, 1.0 mm thickness	1
HGB15-16MC-15	16-well multi-channel compatible comb for use with 15 cm gel box, 1.5 mm thickness	1
HGB15-16MC-2	16-well multi-channel compatible comb for use with 15 cm gel box, 2.0 mm thickness	1
HGB15-18MC-1	18-well multi-channel compatible comb for use with 15 cm gel box, 1.0 mm thickness	1
HGB15-18MC-15	18-well multi-channel compatible comb for use with 15 cm gel box, 1.5 mm thickness	1
HGB15-20-075	20-well comb for use with 15 cm gel box, 0.75 mm thickness	1
HGB15-20-1	20-well comb for use with 15 cm gel box, 1.0 mm thickness	1
HGB15-20-15	20-well comb for use with 15 cm gel box, 1.5 mm thickness	1
HGB15-20-2	20-well comb for use with 15 cm gel box, 2.0 mm thickness	1
HGB15-28MC-075	28-well multi-channel compatible comb for use with 15 cm gel box, 0.75 mm thickness	1
HGB15-28MC-1	28-well multi-channel compatible comb for use with 15 cm gel box, 1.0 mm thickness	1
HGB15-28MC-15	28-well multi-channel compatible comb for use with 15 cm gel box, 1.5 mm thickness	1
HGB15-30MC-1	30-well multi-channel compatible comb for use with 15 cm gel box, 1.0 mm thickness	1
HGB15-30MC-15	30-well multi-channel compatible comb for use with 15 cm gel box, 1.5 mm thickness	1
HGB15-35-15	35-well comb for use with 15 cm gel box, 1.5 mm thickness	1

## Axygen Horizontal Gel Box, 20 cm

Cat. No.	Description	Qty/Cs
HGB-20	Axygen horizontal gel box, 20 cm	1
HGB20-16-075	16-well comb for use with 20 cm gel box, 0.75 mm thickness	1
HGB20-20MC-075	20-well comb for use with 20 cm gel box, 0.75 mm thickness	1
HGB20-20MC-1	20-well multi-channel compatible comb for use with 20 cm gel box, 1.0 mm thickness	1
HGB20-20MC-15	20-well multi-channel compatible comb for use with 20 cm gel box, 1.5 mm thickness	1
HGB20-25-1	25-well comb for use with 20 cm gel box, 1.0 mm thickness	1
HGB20-30-1	30-well comb for use with 20 cm gel box, 1.0 mm thickness	1
HGB20-40MC-1	40-well multi-channel compatible comb for use with 20 cm gel box, 1.0 mm thickness	1
HGB20-40MC-15	40-well multi-channel compatible comb for use with 20 cm gel box, 1.5 mm thickness	1
HGB20-40MC-2	40-well multi-channel compatible comb for use with 20 cm gel box, 2.0 mm thickness	1
HGB20-50-2	50-well comb for use with 20 cm gel box, 2.0 mm thickness	1

## Gel Trays

HGB7-7-GT	Gel tray 7 x 7 cm for use with 7 cm gel box, UV transparent	1
HGB7-10-GT	Gel tray 7 x 10 cm for use with 7 cm gel box, UV transparent	1
HGB10-10-GT	Gel tray 10 x 10 cm for use with 10 cm gel box, UV transparent	1
HGB15-10-GT	Gel tray 15 x 10 cm for use with 15 cm gel box, UV transparent	1
HGB15-15-GT	Gel tray 15 x 15 cm for use with 15 cm gel box, UV transparent	1
HGB20-20-GT	Gel tray 20 x 20 cm for use with 20 cm gel box, UV transparent	1

## Replacement Electrodes

HGB7-NE	Replacement negative electrode, 7 cm	1
HGB7-PE	Replacement positive electrode, 7 cm	1
HGB10-NE	Replacement negative electrode, 10 cm	1
HGB10-PE	Replacement positive electrode, 10 cm	1
HGB15-NE	Replacement negative electrode, 15 cm	1
HGB15-PE	Replacement positive electrode, 15 cm	1
HGB20-NE	Replacement negative electrode, 20 cm	1
HGB20-PE	Replacement positive electrode, 20 cm	1

## Rubber Casting Dams

HGB7-CD	Casting dams for use with 7 cm gel box, set of 2	1
HGB10-CD	Casting dams for use with 10 cm gel box, set of 2	1
HGB15-CD	Casting dams for use with 15 cm gel box, set of 2	1
HGB20-CD	Casting dams for use with 20 cm gel box, set of 2	1

## Accessories

HGB7-AD	Power supply adapters, 4 mm to 4 mm, 2/pk	1
HGB7-AD2	Power supply adapters, 4 mm to 2 mm, 2/pk	1
HGB-EL	Electrical leads (1 pair)	1

# Axygen® Power Supplies



## PS300GP and PS250HA Ideal for most of your electrophoresis needs

The Axxygen Power Supplies are full-featured power sources ideal for molecular biology workflows including DNA, RNA, and protein gel electrophoresis applications, as well as blotting. The compact user interface has 4 sets of color-coded terminals allowing for use with up to 4 gel boxes simultaneously. Depending on the model, operating modes include constant voltage, current, or power all with automatic crossover feature. The Power Supplies feature an easy to set, LCD backlit, digital display to perform according to the needs of your operational parameters. The PS250HA has the ability to set programs with 10 steps per program. Both units have timers, are stackable, and are engineered with safety in mind to meet the requirements that today's protocols demand.

### PS250HA

- High amperage optimal for Western blotting
- Programmable

### PS300GP

- Ideal for small format protein gels or DNA horizontal gels
- Easy to run constant mode for consistent Voltage or Amperage protocols

## Specifications

	Axygen PS250HA Power Supply	Axygen PS300GP Power Supply
Input Power (switchable)	115 VAC, 50/60 Hz 230 VAC, 50/60 Hz	115 VAC, 50/60 Hz 230 VAC, 50/60 Hz
Output power	300W	90W
Output voltage range	5 to 250V	2 to 300V
Output current range	10 to 3000 mA	4 to 500 mA
Timer	Approx. 99.99 hr./min.	Approx. 99.99 hr./min.
Terminal pairs	4 positive voltage and 4 negative voltage	4 positive voltage and 4 negative voltage
Operating Modes	Constant Voltage: 1V step Constant Current: 10 mA step Constant Power: 1W step	Constant Voltage: 1V increment settings Constant Current: 1 mA increment settings
Crossover	Automatic	Automatic
Pause function	Yes	Yes
Safety features	No Load Detection Load Change Detection Overload Detection Ground Leak Detection Auto Restart	No Load Detection Load Change Detection Overload Detection Ground Leak Detection Auto Restart
Programmable	Yes. Can store up to ten 10-step methods	No
Housing size (W x D x H)	7.9 x 12.4 x 3.4 in. (20 x 31.4 x 8.5 cm)	7.9 x 12.4 x 3.4 in. (20 x 31.4 x 8.5 cm)
Weight	5.4 lbs. (2.45 kg)	5.4 lbs. (2.45 kg)
Certifications	CE; cETLus	CE; cETLus
Warranty	3 years	3 years



## Axygen® Power Supplies

Cat. No.	Description
PS250HA	250V high amperage power supply, 115V
PS250HA-230V	250V high amperage power supply, 230V
PS300GP	300V general purpose power supply, 115V
PS300GP-230V	300V general purpose power supply, 230V

\*NOTE: The 115V and 230V in the product description refer to the plug type necessary to operate in your region.



## Axygen Horizontal Gel Boxes

Cat. No.	Description
HGB-7	Horizontal gel box (7 cm)
HGB-10	Horizontal gel box (10 cm)
HGB-15	Horizontal gel box (15 cm)
HGB-20	Horizontal gel box (20 cm)

# Axygen® MaxyGene II Thermal Cyclers



The Axygen MaxyGene II Thermal Cycler brings increased speed and advanced features, providing the premium performance you have come to expect from Axygen brand products.

- Unique flexible programming
- Rapid run times
- Improved workflow over traditional gradient cyclers
- Ramping rates up to 5°C/sec.
- Simple user interface
- Adjustable heated lid accommodates strips, tubes, and microplates
- Pre-programmed standard protocols
- 3-year warranty

## Simplified Workflow for Improved Throughput

The Axygen MaxyGene II Thermal Cycler is extremely simple to program, compact in design, and built to perform (Figure 1). It makes method optimization affordable and provides consistent, reliable results. Precision Thermal Control provides rapid heating and cooling of the precision-machined sample block by six independently temperature-controlled Peltier modules. A sophisticated algorithm program calculates sample temperature and triggers heating and cooling accordingly, minimizing over- and under-shooting.

The MaxyGene II Thermal Cycler may be programmed to operate between one and six different annealing temperatures across the block (Figure 2). This thermal cycler provides improved throughput by reducing time and simplifies workflow by reducing steps.

Figure 1. MaxyGene Thermal Cycler Screen

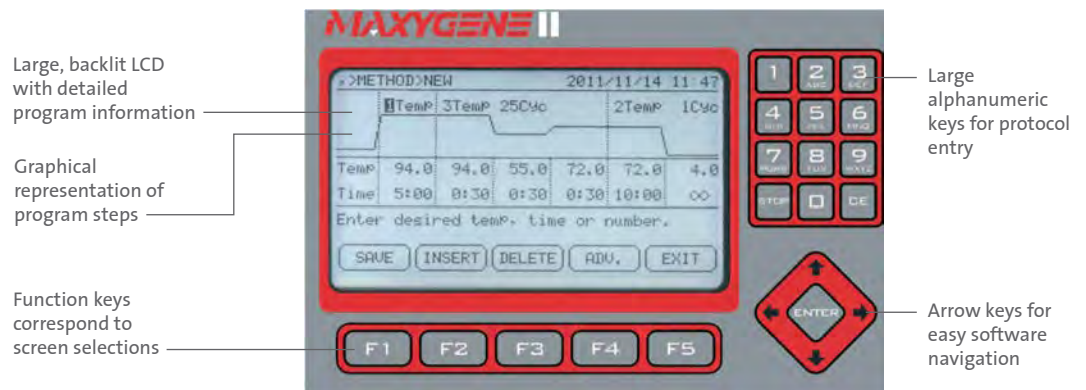
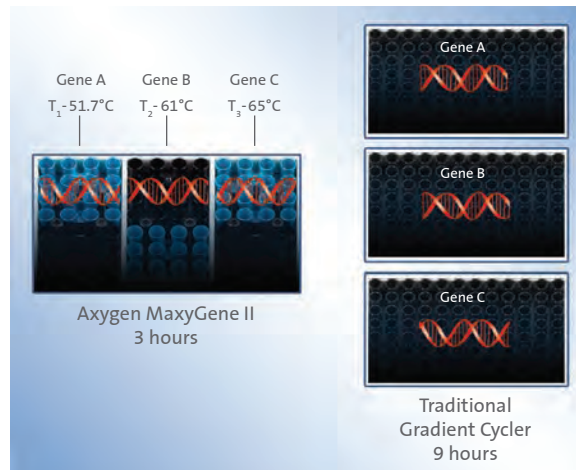


Figure 2. Primers designed to anneal to various genes (e.g., Gene A, B, and C) typically have different annealing temperatures ( $T_1$ ,  $T_2$ , and  $T_3$ ). The Axygen MaxyGene II thermal cycler can perform up to six different reactions, significantly reducing steps and time.



A variety of applications can be performed with the Axygen® MaxyGene II thermal cycler, from single temperature soaks to sophisticated multi-step programs. All of these are easily set up. The time or temperature of a cycling step can be automatically increased or decreased during successive cycles. This is useful for “touchdown” applications and for extending annealing times as enzyme is depleted. Programs may also be paused while running. During operation, actual times and temperatures are displayed. Estimated run times are automatically calculated, and a log of the last run can be displayed or downloaded to a printer or PC.

## Specifications

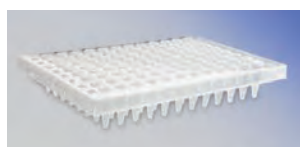
Sample Capacity	1 x 96-well microplate, 12 x 8 x 0.2 mL strip tubes, 96 x 0.2 mL tubes
Programmable Temp. Range	4°C to 99.9°C
Temperature Control	Calculated or block
Temp. Accuracy/Uniformity	±0.5°C/±0.5°C
Max. Heating Range among the 6 Peltier Blocks	30°C to 99°C
Max. Temperature Difference	24°C
Ramp Rates	5°C/sec. heating, 3.5°C/sec. cooling
Optimization Technology	Six 4 x 4 Peltier blocks with independently programmable temperatures
Programmable Lid Temperature	60°C to 65°C, 100°C to 115°C
Program Memory	200 complete programs
Temp. Increments/Decrements	Yes
Time Increments/Decrements	Yes
User Program Folders	Yes
Password Protected Programs	Yes
Communication	USB and RS232 ports
Dimensions (W x D x H)	9.4 x 16.9 x 9.8 in. (24 x 43 x 25 cm)
Weight	19.8 lbs. (9 kg)
Electrical	120V or 240V, 50/60 Hz

## Axygen MaxyGene II Thermal Cyclers

Cat. No.	Description	Qty/Pk	Qty/Cs
THERM-1001	MaxyGene II Thermal Cycler with 96-well block, 120V	–	1
THERM-1000	MaxyGene II Thermal Cycler with 96-well block, 230V	–	1

## Compatible Axygen PCR Products

PCR-0208-C	0.2 mL clear thin wall PCR 8-strip tubes	125	1,250
PCR-0208-CP-C	0.2 mL clear thin wall PCR 8-strip tubes and clear 8-strip domed caps	125	1,250
PCR-0208-FCP-C	0.2 mL clear thin wall PCR 8-strip tubes and clear flat 8-strip caps with writing surface	125	1,250
PCR-02-C	0.2 mL clear flat cap thin wall PCR tubes	1,000	10,000
PCR-02D-C	0.2 mL clear domed cap thin wall PCR tubes	1,000	10,000
PCR-02-FCP-C	0.2 mL clear flat PCR 8-strip caps with writing surface	125	1,250
PCR-2CP-RT-C	0.2 mL clear 8-strip flat caps for real-time PCR	125	1,250
PCR-96-FLT-C	96-well clear flat top non skirt PCR microplate	25	100
PCR-96-FS-C	96-well clear full skirt PCR microplate	10	50
PCR-96-FS-C-PBC	96-well clear full skirt PCR microplate with bar code	10	50
PCR-96M2-HS-C	96 well clear half skirt PCR microplate with a single notch	10	50
PCR-96M2-HS-C-PBC	96-well clear half skirt PCR microplate with a single notch with barcode	10	50
PCR-TS	PCR tight seal thermal sealing film for all thermal cyclers	100	500
UC-500	Ultra clear pressure sensitive sealing film	100	500





# Axygen® PlateMax™ Semi-automatic Plate Sealers



Easy-to-set time and temperature settings

## Compact Footprint

The Axygen PlateMax semi-automatic plate sealer is ideal for the low to medium throughput laboratory that requires uniform and consistent sealing of microplates. Sealing parameters are set and displayed via the user-friendly control panel and the sealing operation is automated to ensure consistent results.

## Intuitive Layout

The PlateMax sealer control system features an intuitive layout with settings for all types of plates and sealing materials. The Mode button selects sealing time or temperature, and the control knob adjusts the setting.

Temperature can be precisely set in increments of 1°C and time in increments of 0.1 seconds. The PlateMax has a power saving option that turns the heater off if not in use. For those labs that choose to turn this function off, you can have the PlateMax ready to run all day.

- ▶ Accepts a wide range of microplates and heat seals
- ▶ User-friendly control system
- ▶ Large digital display shows all operating parameters
- ▶ Adjustable sealing temperature
- ▶ Precise temperature, timing, and pressure for consistent sealing

## Simple 3-step Operation

1. Set time and temperature.
2. Place a microplate in the open drawer.
3. Place a heat seal on top of the plate and press the "SEAL" button.

## Versatile and Convenient

The PlateMax sealer accepts a wide variety of plate types and heights. An aluminum adapter is used for PCR and standard assay plates. The motorized heated platen automatically adjusts for different plate heights and provides uniform pressure to ensure a quality seal. The platen incorporates a special non-stick coating. The side access door allows for easy cleaning.

## Safe

The internal heating elements are situated inside the instrument casing and an internal safety door prevents access to the heated area. In addition, the motorized drawer features safety switches. If a hand or object obstructs the closing drawer, the drawer motor will reverse. This feature protects both the user and the instrument.

## Specifications

Dimensions (W x D x H)	6.75 x 12.75 x 14.25 in. (171 x 324 x 362 mm)
Weight	27 lbs. (12 kg)
Sealing Temperature	OFF, 100°C to 190°C (increments of 1.0°C)
Temperature Accuracy	±1.0°C
Temperature Uniformity	±1.0°C
Sealing Time	0.5 to 10 sec. (increments of 0.1 sec)
Compatible Plate Materials	PP (Polypropylene), PS (Polystyrene), PE (Polyethylene)
Compatible Plate Types	Standard assay plates, deep-well storage plates, PCR plates: full skirt, half skirt, no skirt
Maximum Plate Height	45 mm
Compatible Sealing Film Types	Foil-polypropylene laminate Clear polyester-polypropylene laminate Clear polymer Thin clear polymer Foil-laminate Foil

## Axygen® PlateMax™ Semi-automatic Plate Sealers

Cat. No.	Description	Qty/Pk	Qty/Cs
HS-1120	PlateMax semi-automatic plate sealer, 120V, includes adapters for standard and deep-well microplates	–	1
HS-1230	PlateMax semi-automatic plate sealer, 230V, includes adapters for standard and deep-well microplates	–	1

## Axygen Platemax Heat Sealing Films

Cat. No.	Description	Qty/Pk	Qty/Cs
HS-100-QPCR	PlateMax ultra clear permanent heat sealing film for qPCR	100	5
HS-150-QPCR	PlateMax ultra clear peelable heat sealing film for qPCR	100	5
HS-200	PlateMax peelable heat sealing film for low temperature compound storage and PCR	100	5
HS-300	PlateMax pierceable heat sealing film for low temperature compound storage and PCR	100	5
HS-400	PlateMax peelable heat sealing film for compound storage	100	5
MF-300	PlateMax peelable heat sealing film with paper backing for general storage and PCR applications	100	1

# Axygen® Axyspin Refrigerated Microcentrifuges



The Axxygen Axyspin refrigerated microcentrifuge is a high performance refrigerated microcentrifuge designed to quickly process samples for applications such as nucleic acid and protein preparation, purifications, extractions, and pelleting.

- ▶ Powerful refrigeration system cools to 4°C in 8 minutes
- ▶ 24 x 1.5/2.0 mL aluminum rotor included
- ▶ Exceptionally quiet and compact

## Axygen Axyspin Refrigerated Microcentrifuge

The Axxygen Axyspin refrigerated microcentrifuge combines a powerful yet silent, brushless drive with an efficient cooling system, all in a compact footprint. Brushless drive technology has been fine-tuned in the Axyspin refrigerated microcentrifuge to deliver fast acceleration and deceleration of the solid aluminum rotor. The uniquely designed 24-place rotor allows easy access to the tops of sample tubes. Starting from room temperature, the chamber of the Axyspin refrigerated microcentrifuge cools to 4°C in just 8 minutes. The control panel features a backlit LCD display, which allows users to easily view running parameters while the large control knob facilitates digital setting of rotor speed, run time, and temperature. These high performance features allow for faster sample processing and less down time.

The rotor of the Axyspin refrigerated microcentrifuge can accommodate 1.5 and 2.0 mL Axxygen microcentrifuge tubes, including the most popular catalog numbers (MCT-150-C and MCT-200-C).

### Specifications

Speed Range	500 to 13,500 rpm
Maximum RCF	17,135 x g
Maximum Capacity	24 x 1.5/2.0 mL
Timer	0.5 to 99 minutes, or continuous 0.5 to 99 minutes, or continuous "Quick" button for momentary operation
Temperature Range	-10° to 40°C
Dimensions (W x D x H)	10.9 x 17.75 x 9.75 in. (27.7 x 45 x 24.75 cm)
Weight	44 lbs. (20 kg)
Electrical	100V-230V, 50/60 Hz

### Axygen Axyspin Refrigerated Microcentrifuges

Cat. No.	Voltage	Plug Type	Qty/Cs
601-05-031	120V	US	1
601-05-021	230V	EU/UK	1
601-05-011	100V	US	1

### Axygen Axyspin MaxyClear SnapLock Microcentrifuge Tubes

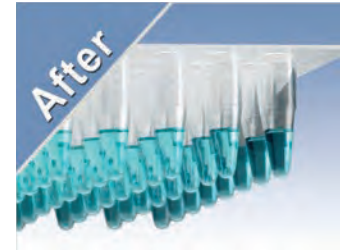
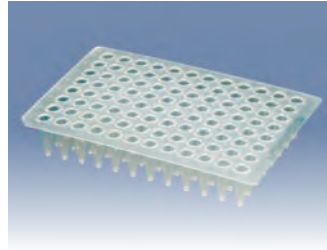
Cat. No.	Description	Qty/Pk	Qty/Cs
MCT-150-C	1.5 mL	500	5,000
MCT-200-C	2.0 mL	500	5,000

# Axygen® Axyspin Mini Plate Spinner Centrifuges



The Axygen Axyspin Plate Spinner is the first centrifuge designed specifically for quick and easy centrifugation of samples in PCR plates.

- ▶ Capacity for two standard PCR plates
- ▶ Top loading design
- ▶ Exceptionally small footprint
- ▶ Starts and stops in seconds



## Specifications

Speed	2,500 rpm
Maximum RCF	500 x g
Maximum Capacity	2 standard PCR microplates
Ambient Operating Range	4°C to 35°C
Dimensions	6 x 6 x 7 in. (16 x 16 x 18 cm)
Weight	3.3 lbs. (1.5 kg)

## Axygen Axyspin Mini Plate Spinner Centrifuges

Cat. No.	Voltage	Plug Type	Qty/Cs
Platespinner-120	120V/60Hz	US	1
Platespinner-230EU	230V/50Hz	EU	1
Platespinner-230UK	230V/50Hz	UK	1
Platespinner-230AU	230V/50Hz	AU	1
Platespinner-100JP	100V/60Hz	US	1

# Axygen® Axypet® Pro Single- and Multi-channel Pipettors



Axygen Axypet Pro Pipettors have been engineered to provide the highest levels of comfort, accuracy, and precision. The lightweight construction, contoured handle, and 4-digit counter were designed to ensure comfortable pipetting. All pipettors feature smooth plunger movement and extremely low pipetting forces to reduce wrist strain and fatigue (RSI). Colored pushbuttons enable easy size identification and reduce the risk of cross-contamination.

- ▶ Ergonomic handle design is a perfect fit for both the right and left hand
- ▶ Convenient one-hand volume setting with auto-lock system prevents accidental volume change during work
- ▶ 4-digit counter provides greater precision and is perfectly positioned for visibility at all times
- ▶ Single-channel pipettors are compatible with very narrow tubes
- ▶ Fully autoclavable and UV-resistant for sample protection against contaminations
- ▶ The multi-channel shafts retract individually for perfect tip loading and easier tip ejection
- ▶ Unique ejector lever system enables effortless tip ejection
- ▶ Easy in-lab calibration helps you quickly adjust your pipettor to various liquid types
- ▶ Individually tested and supplied with a certificate of quality
- ▶ 3-year warranty

## Axygen Axypet Pro Starter Kit

Axygen Axypet Pro Starter Kit contains four variable volume pipettors in the most popular and universal volumes (0.5-10 µL, 2-20 µL, 20-200 µL, and 100-1000 µL), pipettor stand for four pipettors, and 3 racks with tips.



## Axygen Axypet Pro Pipettors

### Single-channel

Cat. No.	Volume Range (µL)	Accuracy (%)	Precision (%)	Non-filtered Tip (µL)	Qty/Cs
AP-2-P	0.1 - 2	±40.0 to ±1.5	≤12.0 to ≤0.7	10	1
AP-10-P	0.5 - 10	±4.0 to ±1.0	≤2.8 to ≤0.4	10	1
AP-20-P	2 - 20	±3.5 to ±0.8	≤1.5 to ≤0.3	200	1
AP-50-P	5 - 50	±3.5 to ±0.8	≤1.3 to ≤0.3	200	1
AP-100-P	10 - 100	±3.0 to ±0.8	≤1.0 to ≤0.2	200	1
AP-200-P	20 - 200	±2.0 to ±0.6	≤0.7 to ≤0.2	200	1
AP-1000-P	100 - 1000	±2.5 to ±0.6	≤0.6 to ≤0.2	1000	1

### 8-channel

AP-8-10-P	0.5 - 10	±10.0 to ±2.0	≤8.0 to ≤1.2	10	1
AP-8-50-P	5 - 50	±4.0 to ±1.6	≤2.5 to ≤0.6	200	1
AP-8-200-P	10 - 200	±5.0 to ±1.0	≤3.0 to ≤0.6	200/300	1
AP-8-300-P	30 - 300	±3.0 to ±1.0	≤1.5 to ≤0.6	300	1

### 12-channel

AP-12-10-P	0.5 - 10	±10.0 to ±2.0	≤8.0 to ≤1.2	10	1
AP-12-50-P	5 - 50	±4.0 to ±1.6	≤2.5 to ≤0.6	200	1
AP-12-200-P	10 - 200	±5.0 to ±1.0	≤3.0 to ≤0.6	200/300	1
AP-12-300-P	30 - 300	±3.0 to ±1.0	≤1.5 to ≤0.6	300	1

## Axygen Axypet Pro Starter Kit

Cat. No.	Description	Qty/Cs
AP-STR-KIT-P	Axygen Axypet Pro Starter Kit Includes: 4 single-channel pipettors: 0.5 to 10 µL (Cat. No. AP-10-P), 2 to 20 µL (Cat. No. AP-20-P), 20 to 200 µL (Cat. No. AP-200-P), 100 to 1000 µL (Cat. No. AP-1000-P); universal linear stand for four single-channel pipettors (Cat. No. AP-USD4-P); Axxygen MultiRack pipet tips: 10 µL (Cat. No. MR-10XT-R), 200 µL (Cat. No. MR-200-R), 1000 µL (Cat. No. MR-1000XT-R)	1



# Axygen® Axypet® Single- and Multi-channel Pipettors



Axygen Axypet pipettors combine high levels of accuracy and precision with design innovations to make pipetting more comfortable during prolonged periods of time.

- ▶ Thumb-friendly soft spring pipetting system reduces fatigue
- ▶ Unique side EZject button option reduces thumb movement\*
- ▶ Large ergonomic push button is easy on the thumb during contact
- ▶ Locking feature prevents accidental volume changes during pipetting procedures
- ▶ Micrometer is continuously adjustable for selection of whole or fractional volumes

Additional multi-channel pipettor features:

- ▶ Curved ejector bar allows tips to be ejected in steps, reducing the amount of force required for ejection
- ▶ Tip manifold rotates 360°
- ▶ Shafts withdraw when pressed against a row of tips
- ▶ Each shaft moves independently, minimizing jamming of tips

## Axygen Axypet Single- and Multi-channel Pipettors

### Single-channel Pipettors

Cat. No.	Volume Range (µL)	Channels	Accuracy (Min./Max.)	Precision (Min./Max.)	Non-filtered Tip (µL)	Qty/Cs
AP-2	0.1 - 2	1	±40.0/±1.5%	≤12.0/≤0.7%	10	1
AP-10	0.5 - 10	1	±4.0/±0.5%	≤2.8/≤0.4%	10	1
AP-20	2 - 20	1	±3.0/±0.8%	≤1.5/≤0.3%	200	1
AP-50	5 - 50	1	±2.5/±0.8%	≤2.0/≤0.4%	200	1
AP-100	10 - 100	1	±1.6/±0.8%	≤0.8/≤0.2%	200	1
AP-200	20 - 200	1	±1.2/±0.6%	≤0.6/≤0.2%	200	1
AP-250	50 - 250	1	±1.0/±0.6%	≤0.4/≤0.3%	300	1
AP-1000	100 - 1,000	1	±1.6/±0.6%	≤0.4/≤0.15%	1,000	1
AP-5000	1,000 - 5,000	1	±0.6/±0.5%	≤0.25/≤0.15%	5,000	1
AP-10ML	1,000 - 10,000	1	±2.5/±0.5%	≤0.6/≤0.2%	10,000	1

### Multi-channel Pipettors

AP-8-10	0.5 - 10	8	±10.0/±2.0%	≤8.0/≤1.2%	10	1
AP-8-50	5 - 50	8	±4.0/±1.6%	≤2.5/≤0.6%	200	1
AP-8-200	20 - 200	8	±3.0/±1.0%	≤1.5/≤0.6%	200/300	1
AP-8-300	50 - 300	8	±1.6/±1.0%	≤1.5/≤0.6%	300	1
AP-12-10	0.5 - 10	12	±10.0/±2.0%	≤8.0/≤1.2%	10	1
AP-12-50	5 - 50	12	±4.0/±1.6%	≤2.5/≤1.6%	200	1
AP-12-200	20 - 200	12	±3.0/±1.0%	≤1.5/≤0.6%	200/300	1
AP-12-300	50 - 300	12	±1.6/±1.0%	≤1.5/≤0.6%	300	1

\*Left handed EZject button available by special order.

## Axygen® Axypet® Starter Kits

Cat. No.	Description	Qty/Cs
AP-STR-KIT-1	Axygen Axypet Starter Kit-1 Includes: AP-20, AP-200, and AP-1000 pipettors; Axxygen MultiRack pipet tips: 200 µL (Cat. No. MR-200-R), 1000 µL (Cat. No. MR-1000XT-R); calibration tool; ejector spacers set; identification labels; lubricant; color identification rings; right-hand ejector button	1
AP-STR-KIT-2	Axygen Axypet Starter Kit-2 Includes: AP-10, AP-100, and AP-1000 pipettors; Axxygen MultiRack pipet tips: 10 µL (Cat. No. MR-10XT-R), 200 µL (Cat. No. MR-200-R), 1000 µL (Cat. No. MR-1000XT-R); calibration tool; ejector spacers set; identification labels; lubricant; color identification rings; right-hand ejector button	1

## Axygen Axypet Pipettor Accessories

Cat. No.	Description	Qty/Cs
AP-USD	Pipettor stand for one single-channel, 8-channel, or 12-channel pipettor	1
AP-USD4	Universal linear stand for four pipettors, transparent (four single-channel, maximum of two 8-channel or 12-channel pipettors)	1
AP-USD4-P	Universal linear stand for four pipettors, red (four single-channel, maximum of two 8-channel or 12-channel pipettors)	1
AP-USD6	Universal linear stand for six pipettors, transparent (six single-channel, maximum of three 8-channel or 12-channel pipettors)	1
AP-CSD	Carousel stand for six single-channel pipettors (not compatible with Axxygen Axypet Pro pipettors)	1



Universal linear 4-place stand



Carousel stand for six single-channel pipettors



Universal linear stand for one pipettor



Universal linear stand for four pipettors



Universal linear stand for six pipettors

# Axygen® MotoPet™ Pipet Controller



Pressure sensitive trigger buttons control rate of aspiration or dispensing.

The Axygen MotoPet is a precise, motor powered, rechargeable pipet controller for volumes ranging from 0.5 mL to 100 mL. The unit has an ergonomic design and a highly efficient motor for fast aspiration and dispense of samples as large as 100 mL and full control and precision while dispensing volumes as small as 0.5 mL. It is compatible with both glass and plastic pipets.

- ▶ Molded, lightweight handle for effortless pipetting even during extended use.
- ▶ Easily accessible switches allow you to choose the optimal operation mode depending on the volume and viscosity of the sample.
- ▶ PTFE filter prevents liquid from entering the unit.

## Specifications

Volume Range	0.5 mL to 100 mL
Weight	230 g
Speed Settings	2 (high and low)
Dispensing Modes	2 (gravity and blow-out)
Filter	PTFE
Power Source	NiMH battery, up to 8 hours of continuous work
Sterilization	Nose piece, pipet holder, and filter are autoclavable



Battery charging station included.



PTFE filter protects samples from cross-contamination. The filter is autoclavable.



Digital display provides visual indication of battery condition, motor speed, and operating function.



Aspiration speed can be set to HIGH or LOW to adjust for the volume of the pipet and viscosity of the liquid.

## Axygen MotoPet Pipet Controller

Cat. No.	Description	Qty/Cs
MOTOPET-1	MotoPet cordless pipet controller, includes charging stand, wall hanger, and PTFE filter (0.2 µm)	1

## Spare Parts

Cat. No.	Description	Qty/Cs
MOTO-SP-CONE	Nose piece	1
MOTO-SP-FLTR-1	PTFE filter, 0.2 µm	5
MOTO-SP-FLTR-2	PTFE filter, 0.45 µm	5
MOTO-SP-HLDR	Pipet holder	1
MOTO-SP-PWR	Charger 9V: EU, US, UK, AU	1



# Catalog Number Index

Cat. No.	Page No.	Cat. No.	Page No.	Cat. No.	Page No.	Cat. No.	Page No.
46-010-CM	79	AP-5000	92	GD-OG	79	HGB15-28MC-075	82
46-011-CM	79	AP-CSD	93	GD-PAPER	79	HGB15-30MC-1	82
601-05-011	89	AP-STR-KIT-1	93	GD-USBMK	79	HGB15-30MC-15	82
601-05-021	89	AP-STR-KIT-2	93	GD-USBS	79	HGB15-35-15	82
601-05-031	89	AP-STR-KIT-P	91	GD-WLCS	79	HGB15-CD	82
AGR-LE-100	79	AP-USD	93	HGB-7	81, 84	HGB15-NE	82
AGR-LE-500	79	AP-USD4	93	HGB7-5-15	81	HGB15-PE	82
AGR-LE-1001	79	AP-USD4-P	93	HGB7-7-GT	82	HGB-20	82, 84
AGR-LE-5001	79	AP-USD6	93	HGB7-8-1	81	HGB20-16-075	82
AGR-LM-50	79	BF-400	56	HGB7-8-075	81	HGB20-20-GT	82
AGR-LM-100	79	BF-400-S	56	HGB7-10-1	81	HGB20-20MC-1	82
AGR-LM-501	79	CTF-199-R-S	10	HGB7-10-15	81	HGB20-20MC-15	82
AGR-LM-1001	79	EV-50-NTR	19	HGB7-10-GT	82	HGB20-20MC-075	82
AGR-MS-50	79	EV-50-NTR-S	19	HGB7-12MC-1	81	HGB20-25-1	82
AGR-MS-100	79	EV-50-R	7, 11, 19	HGB7-12MC-15	81	HGB20-30-1	82
AGR-MS-501	79	EV-50-R-S	7, 11, 19	HGB7-16-1	81	HGB20-40MC-1	82
AGR-MS-1001	79	EV-100-R	7, 11, 19	HGB7-16-15	81	HGB20-40MC-2	82
AM-2ML-RD	48, 49, 54	EV-100-R-S	19	HGB7-AD	82	HGB20-40MC-15	82
AM-2ML-RD-IMP	48, 49, 55	EV-200-NTR	19	HGB7-AD2	82	HGB20-50-2	82
AM-2ML-RD-S	54	EV-200-NTR-S	19	HGB7-CD	82	HGB20-CD	82
AM-2ML-SQ	48, 54	EV-200-R	7, 11, 19	HGB7-NE	82	HGB20-NE	82
AM-2ML-SQ-IMP	48, 55	EV-200-R-S	7, 11, 19	HGB7-PE	82	HGB20-PE	82
AM-24-SQ	48, 54	EVF-50-R-S	7, 11, 19	HGB-10	81, 84	HGB-EL	82
AM-48	54	EVF-100-R-S	7, 11, 19	HGB10-8-1	81	HS-100-QPCR	57, 88
AM-48-IMP	48, 55	EVF-180-R-S	7, 11, 19	HGB10-10-GT	82	HS-150-QPCR	57, 88
AM-96-PCR-RD36, 37, 38, 39, 54		EVF-205-WB-R-PB	7, 11	HGB10-10MC-1	81	HS-200	57, 88
AM-96-SEPTA-3100	41	EVF-205-WB-R-S	7, 11, 19	HGB10-10MC-15	81	HS-300	57, 88
AM-384-DW-SQ	49, 54	FDSS-384-BK-R	12	HGB10-12-1	81	HS-400	57, 88
AM-384-PCR-RD	40, 54	FDSS-1536-BK-R	12	HGB10-12-15	81	HS-1120	88
AM-384-SQ-IMP	49, 55	FT-384-BK-R	16	HGB10-12-075	81	HS-1230	88
AM-500UL-RD	49, 54	FT-384-C-R	16	HGB10-16-1	81	HSF-AS-300-L	58
AM-750UL-RD	54	FX-10-R	8	HGB10-16-2	81	HSF-AS-300-P	58
AM-SEPTA-310	41	FX-20-R	8	HGB10-16-15	81	HSF-T5-L	58
AP-2	92	FX-20-R-S	8	HGB10-16-075	81	HT-10-CBK-HTR	13
AP-2-P	91	FX-50-R	8	HGB10-20MC-1	81	HT-10-CBK-HTR-5	13
AP-8-10	92	FX-50-R-S	8	HGB10-20MC-15	81	HT-10-CBK-HTR-5-5	13
AP-8-10-P	91	FX-250-R	8	HGB10-25-1	81	HT-10-CBK-STK	14
AP-8-50	92	FX-250-R-S	8	HGB10-25-2	81	HT-10-CBK-STK-S	14
AP-8-50-P	91	FX-255-WB-R	8	HGB10-CD	82	HT-10-C-HTR-5	14
AP-8-200	92	FX-384-30FP-R	9, 12, 15	HGB10-NE	82	HT-10-C-HTR-5-5	14
AP-8-200-P	91	FX-384-30FP-R-S	9, 12, 15	HGB10-PE	82	HT-10-C-STK	14
AP-8-300	92	FX-384-45FP-R	9, 12, 15	HGB-15	82, 84	HT-10-C-STK-S	14
AP-8-300-P	91	FX-384-45FP-R-S	9, 12, 15	HGB15-8-15	82	HT-50-CBK-HTR	13
AP-10	92	FX-384-R	9, 12, 15	HGB15-10-1	82	HT-50-CBK-HTR-5	13
AP-10ML	92	FX-384-R-S	9, 12, 15	HGB15-10-15	82	HT-50-CBK-HTR-5-5	13
AP-10-P	91	FX-384-XL-R	9, 12, 15	HGB15-10-GT	82	HT-50-CBK-STK	14
AP-12-10	92	FX-384-XL-R-S	9, 12, 15	HGB15-12-1	82	HT-50-CBK-STK-S	14
AP-12-10-P	91	FXF-20-R-S	8	HGB15-12-15	82	HT-50-C-HTR-5	14
AP-12-50	92	FXF-50-R-S	8	HGB15-14MC-1	82	HT-50-C-HTR-5-5	14
AP-12-50-P	91	FXF-165-WB-R-S	8	HGB15-14MC-2	82	HT-50-C-STK	14
AP-12-200	92	FXF-180-R-S	8	HGB15-14MC-15	82	HT-50-C-STK-S	14
AP-12-200-P	91	FXF-200-R-S	8	HGB15-15-GT	82	HT-300-CBK-HTR	13
AP-12-300	92	FXF-205-WB-R-S	8	HGB15-16-1	82	HT-300-CBK-HTR-5	13
AP-12-300-P	91	FXF-384-30FP-R-S	9, 12, 15	HGB15-16MC-1	82	HT-300-CBK-HTR-S	13
AP-20	92	FXF-384-45FP-R-S	9, 12, 15	HGB15-16MC-2	82	HT-300-CBK-HTR-S-5	13
AP-20-P	91	FXF-384-XL-R-S	9, 12, 15	HGB15-16MC-15	82	HT-300-CBK-STK	14
AP-50	92	GD-1D	79	HGB15-18MC-1	82	HT-300-CBK-STK-S	14
AP-50-P	91	GD-1000	79	HGB15-18MC-15	82	HT-300-C-HTR-5	14
AP-100	92	GDBL-1000	79	HGB15-20-1	82	HT-300-C-HTR-5-5	14
AP-100-P	91	GDBL-BLUE	79	HGB15-20-2	82	HT-300-C-STK	14
AP-200	92	GD-BLCS	79	HGB15-20-15	82	HT-300-C-STK-S	14
AP-200-P	91	GDBL-GREEN	79	HGB15-20-075	82	HT-1000-CBK-HTR-5	13
AP-250	92	GDBL-PRT	79	HGB15-28MC-1	82	HT-1000-CBK-HTR-S	13
AP-1000	92	GD-GCS	79	HGB15-28MC-15	82	HT-1000-CBK-HTR5	13
AP-1000-P	91	GD-GCT	79			HT-1000-C-HTR-5	14

# Catalog Number Index

Cat. No.	Page No.	Cat. No.	Page No.	Cat. No.	Page No.	Cat. No.	Page No.
HT-1000-C-HTR-S-5	14	MCT-175-B	62	P-96-450R-C-S	49	P-DW-10ML-24-C-S	48
HTF-10-CBK-HTR-S	13	MCT-175-C	62	P-96-450V-C	49	P-DW-11-C	48
HTF-10-CBK-HTR-S-5	13	MCT-175-C-S	62	P-96-450V-C-S	49	P-DW-11-C-S	48
HTF-10-C-HTR-S-5	14	MCT-175-G	62	P-384-120SQ-C	49	P-DW-12-HC	49
HTF-50-CBK-HTR-S	13	MCT-175-L-C	62	P-384-120SQ-C-S	49	P-DW-12-HC-S	49
HTF-50-CBK-HTR-S-5	13	MCT-175-O	62	P-384-240SQ-C	49	P-DW-20-C	49
HTF-50-C-HTR-S-5	14	MCT-175-R	62	P-384-240SQ-C-S	49	P-DW-20-C-S	49
HTF-300-CBK-HTR-S	13	MCT-175-SP	62	PCR-02-A	41	P-DW-500-C	49
HTF-300-CBK-HTRS5	13	MCT-175-V	63	PCR-02-C	41, 86	P-DW-500-C-S	49
HTF-300-C-HTR-S	14	MCT-175-X	63	PCR-02CP-C	42	PES-15-B-SI	63
HTF-300-C-HTR-S-5	14	MCT-175-Y	63	PCR-2CP-RT-C	42, 86	PK-20-R	17
HTF-1000-CBK-HTR-5	13	MCT-200-A	63	PCR-02D-A	41	PK-50-R	17
HTF-1000-CBK-HTR-S	13	MCT-200-B	63	PCR-02D-C	41, 86	PK-50-R-S	17
HTF-1000-CBK-HTRS5	13	MCT-200-C	63, 89	PCR-02-FCP-C	42, 86	PK-200-BK-R	16
HTF-1000-C-HTR-S	14	MCT-200-C-S	63	PCR-02-NC	41	PK-200-R	16, 17
HTF-1000-C-HTR-S-5	14	MCT-200-G	63	PCR-05-A	41	PK-384-R	16, 17
IMAG-12T	75	MCT-200-L-C	63	PCR-05-C	41	PK-384-R-S	17
IMAG-96P	75	MCT-200-NC	63	PCR-24-C	41	PKF-384-R-S	17
LT-384-R	16	MCT-200-O	63	PCR-32-C	41	Platespinner-100JP	90
MAG-DYECL-5	74	MCT-200-SP	63	PCR-48-C	41	Platespinner-120	90
MAG-DYECL-50	74	MCT-200-V	63	PCR-96-AB-C	38	Platespinner-230AU	90
MAG-DYECL-250	74	MCT-200-X	63	PCR-96-C	36	Platespinner-230EU	90
MAG-FRAG-I-5	73	MCT-200-Y	63	PCR-96-FLT-C	37, 86	Platespinner-230UK	90
MAG-FRAG-I-50	73	MCT-500-C	63	PCR-96-FS-C	39, 86	PS250HA	84
MAG-FRAG-I-250	73	MCT-500-C-S	63	PCR-96-FS-C-PBC	86	PS250HA-230V	84
MAG-PCR-CL-5	71	MCT-500-X	63	PCR-96-HS-AC-C	36	PS300GP	84
MAG-PCR-CL-50	71	M-DNA-1KB	79	PCR-96-HS-C	38	PS300GP-230V	84
MAG-PCR-CL-250	71	M-DNA-100BP	79	PCR-96-LC480-C-NF	37	Q-OCF-200-R-S	18
MAG-PCR-NM-5	72	MF-300	57, 88	PCR-96-LC480-W	37	QT-300-CBK-R	18
MAG-PCR-NM-50	72	MOTOPET-1	94	PCR-96-LC480-W-BC	37	QTF-1100-CBK-R-S	18
MAG-PCR-NM-250	72	MOTO-SP-CONE	94	PCR-96-LC480-W-NF	37	R-96-PCR-FY	41
MAG-PLANT-GDNA-10	70	MOTO-SP-FLTR-1	94	PCR-96-LP-AB-C	37	R-222-Y	28
MAG-PLANT-GDNA-M	70	MOTO-SP-FLTR-2	94	PCR-96-LP-AB-C-BC	37	RES-2CV-25	33
MAG-PLANT-GDNA-S	70	MOTO-SP-HLDR	94	PCR-96-LP-AB-W	37	RES-2CV-25-S	33
MAG-P-M	69	MOTO-SP-PWR	94	PCR-96-LP-FLT-C	36	RES-2CV-25-SI	33
MAG-P-S	69	MTS-06-C	50	PCR-96-LP-FLT-W	36	RES-MW4-HP	23
MAG-T-GDNA-M	68	MTS-06-C-R	50	PCR-96M2-HS-C	38, 86	RES-MW8-HP	23
MAG-T-GDNA-S	68	MTS-06-C-R-S	50	PCR-96M2-HS-C-PBC	86	RES-MW8-HP-SI	23
MCT-060-A	62	MTS-8CP-C	50	PCR-96-MB-C	36	RES-MW8-LP	23
MCT-060-B	62	MTS-8CP-C-S	50	PCR-96-SG-C	38	RES-MW8-LP-SI	23
MCT-060-C	62	MTS-11-8-C	50	PCR-0108-LP-C	42	RES-MW12-HP	23
MCT-060-C-S	62	MTS-11-8-C-R	50	PCR-0108-LP-RT-C	42	RES-MW12-HP-SI	23
MCT-060-G	62	MTS-11-8-C-R-S	50	PCR-0108-LP-RT-W	42	RES-MW12-LP	23
MCT-060-L-C	62	MTS-11-12-C	50	PCR-0108-LP-W	42	RES-MW12-LP-SI	23
MCT-060-O	62	MTS-11-12-C-R	50	PCR-0208-AD-C	42	RES-SW1-LP	23
MCT-060-R	62	MTS-11-12-C-R-S	50	PCR-0208-AF-C	42	RES-SW1-LP-SI	23
MCT-060-SP	62	MTS-11-C	50	PCR-0208-C	42, 86	RES-SW8-HP	23
MCT-060-V	62	MTS-11-C-R	50	PCR-0208-CP-C	42, 86	RES-SW8-HP-S	23
MCT-060-X	62	MTS-11-C-R-S	50	PCR-0208-FCP-C	42, 86	RES-SW8-HP-SI	23
MCT-060-Y	62	MTS-12CP-C	50	PCR-0212-C	42	RES-SW12-HP	23
MCT-150-A	62	MTS-12CP-C-S	50	PCR-0212-FCP-C	42	RES-SW12-HP-SI	23
MCT-150-B	62	MTX-1250-C	29	PCR-384-C	40	RES-SW96-HP-M	23
MCT-150-C	62, 89	MTX-1250-C-R	29	PCR-384-LC480-W	39	RES-SW96-HP-SI-M	23
MCT-150-C-S	62	MTXF-1250-C-R-S	31	PCR-384-LC480-W-NF	39	RES-SW96-LP	23
MCT-150-G	62	OT-100-R	11	PCR-384-LC480-W-NF-BC	39	RES-SW96-LP-SI	23
MCT-150-L-C	62	OT-200-R	11	PCR-384M2-C	40	RES-SW384-FX	23
MCT-150-NC	62	OTF-50-R-PB	11	PCR-384-RGD-C	40	RES-SW384-FX-SI	23
MCT-150-O	62	OTF-100-R-PB	11	PCR-AS-200	56	RES-SW384-HP-SI	23
MCT-150-R	62	OTF-180-R-PB	11	PCR-AS-600	56	RES-SW384-LP	23
MCT-150-SP	62	P-2ML-SQ-C	48	PCR-SP	57	RES-SW384-LP-SI	23
MCT-150-V	62	P-2ML-SQ-C-S	48	PCR-SP-ROLLER	58	RES-V-25	33
MCT-150-X	62	P-5ML-48-C	48	PCR-SP-S	57	RES-V-25-S	33
MCT-150-Y	62	P-5ML-48-C-S	48	PCR-TS	56, 86	RES-V-25-SI	33
MCT-175-A	62	P-96-450R-C	49	P-DW-10ML-24-C	48	RES-V-50	33

# Catalog Number Index

Cat. No.	Page No.	Cat. No.	Page No.	Cat. No.	Page No.	Cat. No.	Page No.
RES-V-50-S	33	ST-150-SS-X	64	TF-20-L-R-S	30	TT-50-C-HTR	5, 10, 16, 21
RES-V-50-SI	33	ST-150-X	64	TF-20-R-S	30	TT-50-C-HTR-36	5, 10, 21
RES-V-100	33	ST-200	64	TF-50	30	TT-200-CBK-HTR	5, 10, 22
RES-V-100-S	33	ST-200-SS	64	TF-50-L-R-S	30	TT-200-CBK-HTR-S	5, 10, 22
RES-V-100-SI	33	ST-200-SS-X	64	TF-50-R-S	30	TT-200-C-HTR	5, 10, 21
RFL-222-C	27	ST-200-X	64	TF-100	30	TT-200-C-HTR-S	5, 10, 21
RFL-300-C	27	T-10ML-C	31	TF-100-L-R-S	30	TT-1000-CBK-HTR	5, 22
RFL-1200-C	27	T-200-C	28	TF-100-R-S	30	TT-1000-CBK-HTR-24	5, 22
RFL-R*	27	T-200-C-L	28	TF-150	30	TT-1000-CBK-HTR-S	5, 22
RFL-R-1200*	27	T-200-C-L-R	28	TF-150-R-S	30	TT-1000-C-HTR	5, 21
RMT-200-BK-R	16	T-200-C-L-R-S	28	TF-200	30	TT-1000-C-HTR-S	5, 21
RMT-200-C-R	16	T-200-C-L-STK	28	TF-200-L-R-S	30	TTF-20-CBK-HTR-S	5, 22
RRF-25-CBK-R-S	18	T-200-C-R	28	TF-200-R-S	30	TTF-20-C-HTR-S	5, 21
RRF-25-C-R-S	18	T-200-C-R-S	28	TF-205-WB-L-R-S	31	TTF-50-CBK-HTR-S	5, 10, 22
RRF-175-CBK-R-S	18	T-200-C-STK	28	TF-205-WB-R-S	31	TTF-50-CBK-HTR-S36	22
RRF-175-C-R-S	18	T-200-Y	28	TF-300	30	TT-50-C-HTR-S	5, 10, 21
RRP-50-CBK-R	18	T-200-Y-R	28	TF-300-L-R-S	30	TTF-200-CBK-HTR-S	5, 10, 22
RRP-50-C-R	18	T-200-Y-R-S	28	TF-300-R-S	30	TTF-200-C-HTR-S	5, 10, 21
RRP-200-CBK-R	18	T-200-Y-STK	28	TF-350	30	TTF-1000-CBK-HTR-S	5, 22
RRP-200-C-R	18	T-205-WB-C	29	TF-350-L-R-S	30	TTF-1000-C-HTR-S	5, 21
RRP-200-C-R-S	18	T-205-WB-C-L-R	29	TF-350-R-S	30	TUB-310-NC	41
SC-B-510	65	T-205-WB-C-R	29	TF-400	30	TXL-10	27
SCO-B	64	T-205-WB-C-R-S	29	TF-400-L-R-S	30	TXL-10-L	27
SCO-BR	64	T-300	27	TF-400-R-S	30	TXL-10-L-R	27
SCO-C	64	T-300-L	27	TF-420-L-R-S	30	TXL-10-L-R-S	27
SCO-G	64	T-300-L-R	27	TF-420-R-S	30	TXL-10-R	27
SCO-LP-B	65	T-300-L-R-S	27	TF-1000	30	TXL-10-R-S	27
SCO-LP-BR	65	T-300-L-STK	27	TF-1000-L-R-S	30	TXLF-10	30
SCO-LP-C	65	T-300-R	27	TF-1000-R-S	30	TXLF-10-L-R-S	30
SCO-LP-G	65	T-300-R-S	27	TF-1005-WB-L-R-S	31	TXLF-10-R-S	30
SCO-LP-O	65	T-300-STK	27	TF-1005-WB-R-S	31	UC-500	36, 37, 39, 56, 86
SCO-LP-R	65	T-350-C	29	TF-1200-C-L-R-S	30	VT-20-R	6
SCO-LP-Y	65	T-350-C-L	29	TF-1200-C-R-S	30	VT-50-R	6
SCO-O	64	T-350-C-L-R	29	TGL-10FT-17-R	32, 79	VT-250-R	6
SCO-R	64	T-350-C-L-R-S	29	TGL-200FT-37-R	32, 79	VT-250-R-S	6
SCO-Y	64	T-350-C-R	29	TGL-200FT-37-R-S	32, 79	VT-255-R	6
SCT-5ML	65	T-350-C-R-S	29	TGL-200RD-57-R	32, 79	VT-255-R-S	6
SCT-5ML-S	65	T-400	27	TGL-200RD-57-R-S	32, 79	VT-384-5UL-R	6
SCT-10ML	65	T-400-L	27	TGL-1140	32, 79	VT-384-10UL-R	6
SCT-10ML-S	65	T-400-L-R	27	TGL-1140-R	32, 79	VT-384-10UL-R-S	6
SCT-15ML-25-S	65	T-400-L-R-S	27	TGL-1165	32, 79	VT-384-31UL-R	6
SCT-15ML-500	65	T-400-R	27	TGL-1165-R	32, 79	VT-384-31UL-R-S	6
SCT-15ML-R-S	65	T-400-R-S	27	THERM-1000	86	VT-384-70UL-R	6
SCT-45-C-S	64	T-1000-B	29	THERM-1001	86	VT-384-70UL-R-S	6
SCT-050-C-S	64	T-1000-B-R	29	TR-222-C	28	VTF-20-R-S	6
SCT-50ML-25-S	65	T-1000-B-R-S	29	TR-222-C-L	28	VTF-165-R-S	6
SCT-50ML-500	65	T-1000-C	29	TR-222-C-L-R	28	VTF-205-R-S	6
SCT-50ML-R-S	65	T-1000-C-L	29	TR-222-C-L-R-S	28	VTF-384-15UL-R-S	6
SCT-050-SS-C-S	64	T-1000-C-L-R	29	TR-222-C-L-STK	28	VTF-384-50UL-R-S	6
SCT-150-C-S	64	T-1000-C-L-R-S	29	TR-222-C-R	28	ZT-50-R	20
SCT-150-SS-C-S	64	T-1000-C-R	29	TR-222-C-R-S	28	ZT-50-R-S	20
SCT-200-C-S	64	T-1000-C-R-S	29	TR-222-C-STK	28	ZT-100-R	20
SCT-200-SS-C-S	64	T-1005-WB-C	29	TR-222-Y-R	28	ZT-100-R-S	20
ST-5ML	65	T-1005-WB-C-L-R	29	TR-222-Y-R-S	28	ZT-200-R	20
ST-10ML	65	T-1005-WB-C-R	29	TR-222-Y-STK	28	ZT-200-R-S	20
ST-45	64	T-1005-WB-C-R-S	29	TR8210	51	ZTF-50-R-S	20
ST-45-SS	64	TE-5000-C	31	TR8300	51	ZTF-100-R-S	20
ST-050	64	TE-204-Y	28	TR8300-A	51	ZTF-200-R-S	20
ST-050-SS	64	TE-204-Y-L	28	TR8300-B	51		
ST-050-SS-X	64	TE-204-Y-L-R	28	TR8300-BLK	51		
ST-050-X	64	TE-204-Y-L-R-S	28	TT-20-CBK-HTR	5, 22		
ST-060-SS	64	TE-204-Y-R	28	TT-50-CBK-HTR	5, 10, 22		
ST-150	64	TE-204-Y-R-S	28	TT-50-CBK-HTR-36	5, 10, 22		
ST-150-SS	64	TF-20	30	TT-50-CBK-HTR-S	5, 10, 22		

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