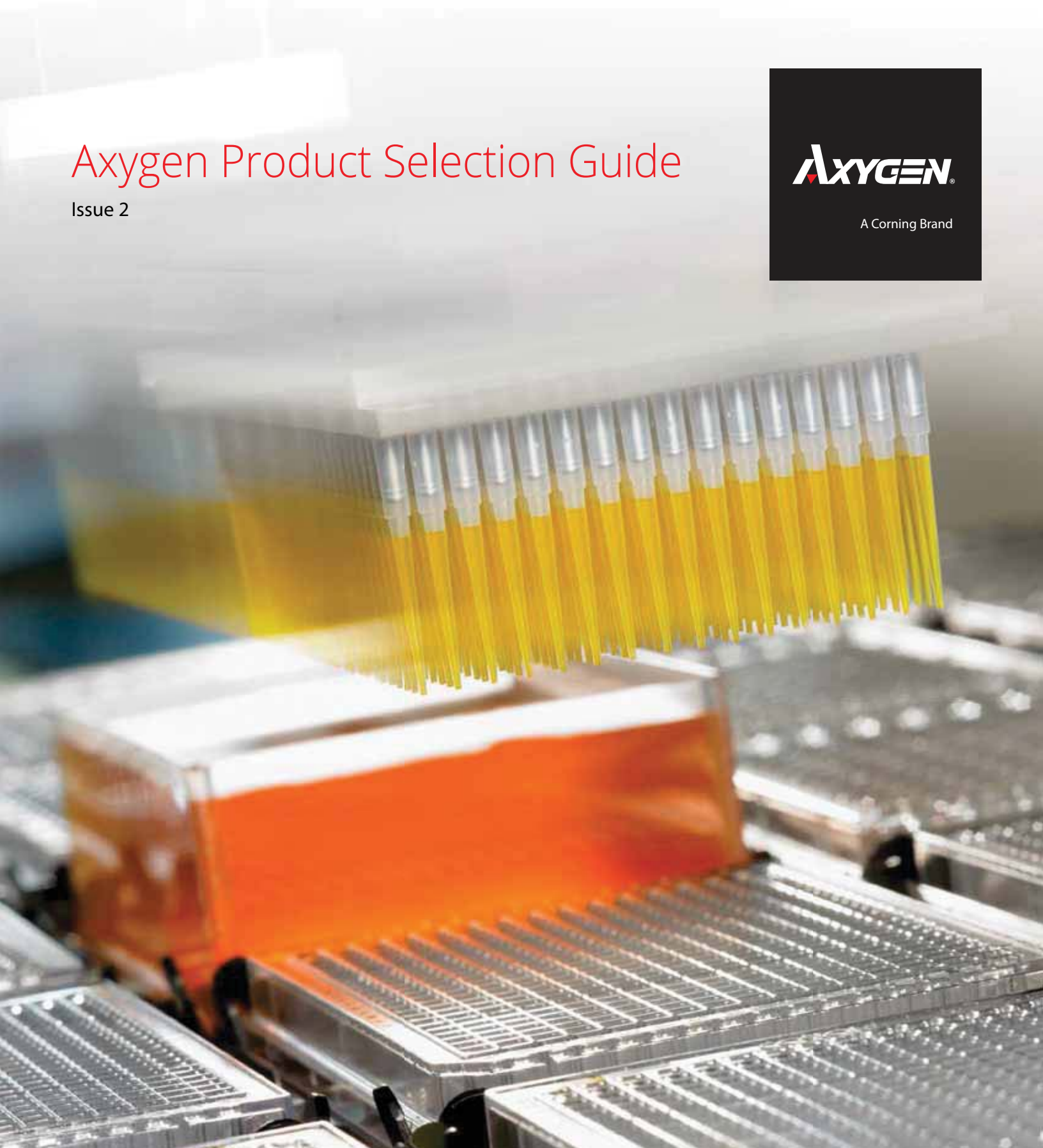


# Axygen Product Selection Guide

Issue 2

**AXYGEN**

A Corning Brand



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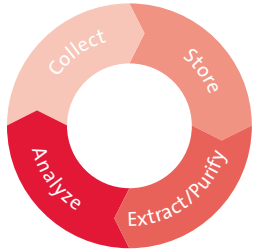
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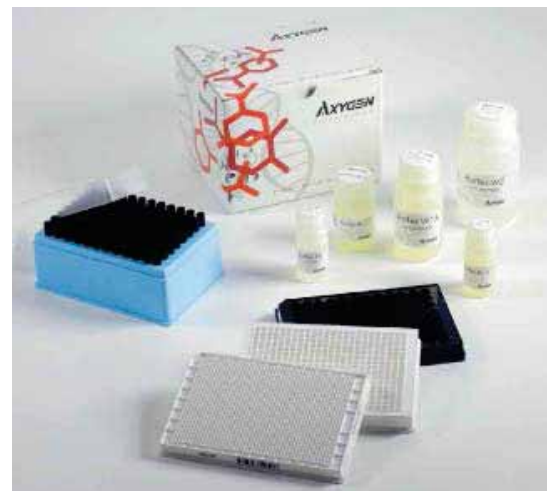
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# Beginning-to-end Solutions for Genomics



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, an unsurpassed commitment to product innovation 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.



# Product Ordering Information

## Ordering Products Direct from Corning

For our U.S. customers who currently have Corning accounts, you can order direct through our Customer Service group or online:

t: 800.492.1110, prompt 2  
f: 978.442.2476  
e: CLSCustServ@corning.com  
w: [www.corning.com/lifesciences](http://www.corning.com/lifesciences)

Hours of Operation: Monday to Friday, 8:00 a.m. to 6:00 p.m. (Eastern Standard Time)

Customers outside of the U.S., please contact your local Corning distributor, [www.corning.com/lifesciences](http://www.corning.com/lifesciences).

## Phone/Fax Orders

For each order, customers should provide the Corning product number, product description, and desired quantity. You should also include your billing and shipping address and your Corning account number.

## Online Orders

In order to purchase Corning products online, please visit the Corning Life Sciences website at [www.corning.com/lifesciences](http://www.corning.com/lifesciences). Click on “Order Now, Login” and complete the online registration form. Customers using credit cards may immediately place orders. Full Service Direct accounts with account specific contract pricing will need to establish a direct account with Corning Customer Service before online transactions can be made. You can complete the online registration form or contact Corning Customer Service directly at 1.800.492.1110 in order to establish a direct account with Corning.

To purchase Corning media products, visit [www.corning.com/lifesciences/media](http://www.corning.com/lifesciences/media).

## Ordering Products Through our Distribution Partners

Customers can purchase Corning products from any one of our more than 50 authorized distributors. See our complete listing of Corning distributors online at [www.corning.com/lifesciences](http://www.corning.com/lifesciences). Our distribution partners can offer our customers a variety of value added services from local inventory and service, to managed services, and preferred programs. Please contact your distributor of choice for more details.

## Scientific Support

Our experienced team of scientific support specialists is ready to assist you with applications questions, troubleshooting advice, product selection and more.

t: 800.492.1110, prompt 3  
f: 978.442.2476  
e: [ScientificSupport@corning.com](mailto:ScientificSupport@corning.com)

Hours of Operation: Monday to Friday, 8:00 a.m. to 5:30 p.m. (Eastern Standard Time)

## Pricing

Prices shown on the Corning Life Sciences website (in our online [www.corning.com/lifesciences](http://www.corning.com/lifesciences) catalog) reflect our current suggested U.S. list price. For customer specific pricing information, please contact Corning Customer Service or your authorized Corning Distributor.

## Product Return Policy

To return product, contact your local Customer Service Representative. The order and lot number details are required. Please have this information available to obtain a Return Authorization Number. This Return Authorization Number must be referenced on the outside of the shipping carton. Returns without an approved Return Authorization Number will be refused and returned at the customer's expense.





## Automation Tips

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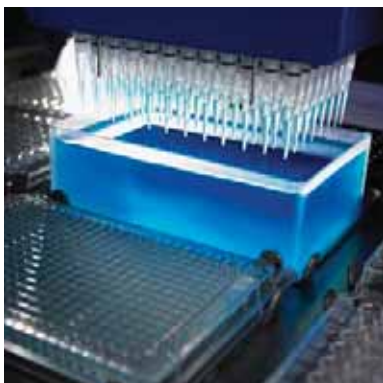
# Automation Tips

## 7 Reasons to Choose Axxygen® 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 Mold Making**  
Engineering team has expertise in designing and creating molds that produce consistent, high quality products.
- 4 In-house Testing**  
In-house automation lab allows product to be validated prior to release.
- 5 Unique Technology**  
Available with Maximum Recovery® surface to further improve accuracy and precision while reducing sample wastage.
- 6 Customer Site Testing of New Products**  
All products are validated at customer locations to ensure proper function.
- 7 Broad Product Offering**  
Corning routinely offers tips not offered by the robotic workstation manufacturer.







## Axygen® 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. Our expert in-house engineering team has extensive expertise in designing and creating molds that produce consistent, high quality products. These tips are manufactured using automation to ensure tips are free from contamination and defects that may be caused by hand racking.

### Features

- ▶ Wide product offering combined with in-house engineering expertise guarantees optimum workstation performance.
- ▶ Complete control of manufacturing process from in-house molding to comprehensive QA and QC testing processes ensures defects are eliminated.
- ▶ Axxygen Maxymum Recovery® surface available in most tip styles for excellent precision and accuracy
- ▶ Optimized fine point for accurate dispensing
- ▶ Filter barrier prevents aerosol and liquid contamination
- ▶ RNase-/DNase-/human gDNA-free and nonpyrogenic for complete protection against contamination.

### Axygen Automation Tips are Compatible with:

#### Aurora Biomed

- ▶ VERSA™

#### Agilent/Velocity11

- ▶ VPrep®
- ▶ Bravo

#### Beckman Coulter

- ▶ Biomek® FX, Biomek NX, and Multimek™
- ▶ Biomek 3000, 4000

#### BioTek

- ▶ Precision™
- ▶ Precision XS

#### Corbett

- ▶ CAS and X-tractor Gene

#### Dynamic Devices

- ▶ Oasis LM

#### Hamamatsu

- ▶ 6000 and 7000 Series

#### Hamilton

- ▶ Microlab® STAR™, STARlet, and STARplus
- ▶ Nimbus®

#### Molecular Devices

- ▶ FLIPR® Liberty 384
- ▶ FLIPR Tetra

#### PerkinElmer

- ▶ Janus®, Evolution™ P3, MiniTrak, and PlateTrak™
- ▶ MultiPROBE
- ▶ Zymark® RapidPlate® and Sciclone®
- ▶ Zephyr®

#### ProGroup WellPro

- ▶ 3000-96 and 3000-384

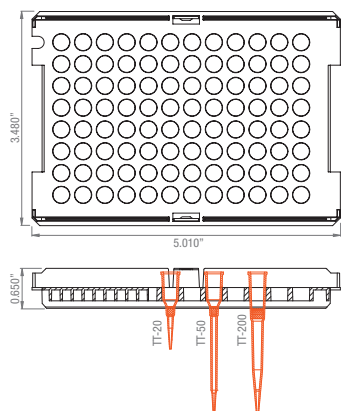
#### Qiagen

- ▶ QIAgility® and Qiagen OnCor
- ▶ BioRobot® 3000, 8000, 9600, and 9604












#### Tecan

- ▶ Genesis Freedom®, Freedom EVO®, and Miniprep with LiHa
- ▶ Te-MO™ and Aquarius™

**Aurora Biomed | VERSA™**



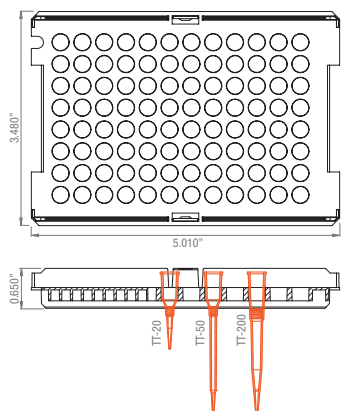
- ▶ Tip format: 96 tip
- ▶ Tip volume range: 10 µL to 1,000 µL
- ▶ Tip material: Clear polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
- ▶ Compatible head: 8-channel
- ▶ Rack format: Non-ANSI hanging tip rack
- ▶ Rack material: Polycarbonate

Standard Surface Cat. No.	Max. Vol. (mL)	Type	Tips/ Rack	Packaging
 TT-20-C-HTR-36	20	Non-filtered	96	2 racks/pk, 36 pk/cs
 TTF-20-C-HTR-S	10	Filtered, sterile	96	24 racks/cs
 TT-50-C-HTR	50	Non-filtered	96	24 racks/cs
 TT-50-C-HTR-36	50	Non-filtered	96	2 racks/pk, 36 pk/cs
 TTF-50-C-HTR-S	25	Filtered, sterile	96	24 racks/cs
 TT-200-C-HTR	200	Non-filtered	96	24 racks/cs
 TT-200-C-HTR-S	200	Non-filtered, sterile	96	24 racks/cs
 TTF-200-C-HTR-S	175	Filtered, sterile	96	24 racks/cs
 TT-1000-C-HTR	1,000	Non-filtered	96	16 racks/cs
 TT-1000-C-HTR-S	1,000	Non-filtered, sterile	96	16 racks/cs
 TTF-1000-C-HTR-S	1,000	Filtered, sterile	96	16 racks/cs

Tip Rack



**Aurora Biomed | VERSA™**



- ▶ Tip format: 96 tip
- ▶ Tip volume range: 10 µL to 1,000 µL
- ▶ Tip material: Conductive black polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
- ▶ Compatible head: 8-channel
  
- ▶ Rack format: Non-ANSI hanging tip rack
- ▶ Rack material: Polycarbonate

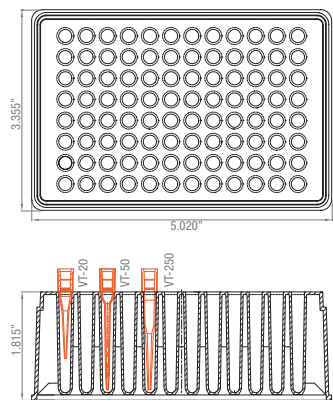
Standard Surface Cat. No.	Max. Vol. (mL)	Type	Tips/Rack	Packaging
TT-20-CBK-HTR	20	Non-filtered	96	24 racks/cs
TTF-20-CBK-HTR-S	10	Filtered, sterile	96	24 racks/cs
TT-50-CBK-HTR	50	Non-filtered	96	24 racks/cs
TT-50-CBK-HTR-S	50	Non-filtered, sterile	96	24 racks/cs
TT-50-CBK-HTR-36	50	Non-filtered	96	2 racks/pk, 36 pk/cs
TTF-50-CBK-HTR-S	25	Filtered, sterile	96	24 racks/cs
TT-200-CBK-HTR	200	Non-filtered	96	24 racks/cs
TT-200-CBK-HTR-S	200	Non-filtered, sterile	96	24 racks/cs
TTF-200-CBK-HTR-S	175	Filtered, sterile	96	24 racks/cs
TT-1000-CBK-HTR	1,000	Non-filtered	96	16 racks/cs
TT-1000-CBK-HTR-S	1,000	Non-filtered, sterile	96	16 racks/cs
TT-1000-CBK-HTR-24	1,000	Non-filtered	96	2 racks/pk, 24 pk/cs
TTF-1000-CBK-HTR-S	1,000	Filtered, sterile	96	16 racks/cs

**Tip Rack**



**Agilent/Velocity11 | VPrep®, Bravo**

AUTOMATION TIPS



- ▶ Tip format: 96 tip
- ▶ Tip volume range: 20 µL to 250 µL
- ▶ Tip material: Clear polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
  - Standard or Axygen® Maxymum Recovery® surface
- ▶ Compatible heads: 96LT, 8LT
  
- ▶ Rack format: ANSI/SLAS
- ▶ Rack material: Polypropylene

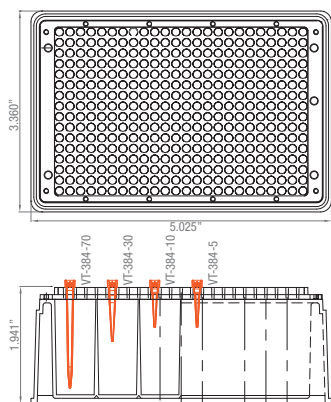


Standard Surface Cat. No.	Maxymum Recovery Surface Cat. No.	Max. Vol. (mL)	Type	Tip Rack	Tips/ Rack	Packaging
VT-20-R	–	20	Non-filtered	A	96	10 racks/pk, 5 pk/cs
VT-20-R-S	–	20	Non-filtered, sterile	A	96	10 racks/pk, 5 pk/cs
VTF-20-R-S	–	20	Filtered, sterile	A	96	10 racks/pk, 5 pk/cs
VT-50-R	–	50	Non-filtered	B	96	10 racks/pk, 5 pk/cs
VT-250-R	VT-250-L-R	250	Non-filtered	C	96	10 racks/pk, 5 pk/cs
VT-250-R-S	–	250	Non-filtered, sterile	C	96	10 racks/pk, 5 pk/cs
VT-250-R-LAB	–	250	Non-filtered	C	96	10 racks/pk, 5 pk/cs
VTF-165-R-S	VTF-165-L-R-S	165	Filtered, sterile	C	96	10 racks/pk, 5 pk/cs
VTF-165-R-LAB-S	–	165	Filtered, sterile	C	96	10 racks/pk, 5 pk/cs
VTF-165-WB-R-S	–	165	Filtered, sterile	C	96	10 racks/pk, 5 pk/cs

**Tip Racks**



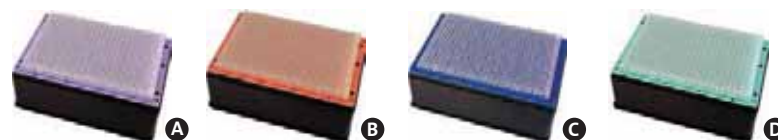
## Agilent/Velocity11 | VPrep®, Bravo



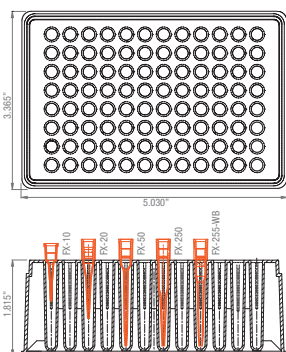
- ▶ Tip format: 384 tip
- ▶ Tip volume range: 5 µL to 70 µL
- ▶ Tip material: Clear polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
  - Standard or Axygen® Maxymum Recovery® surface
- ▶ Compatible heads: 384ST, 96ST, 16ST
  
- ▶ Rack format: ANSI/SLAS
- ▶ Rack material: Conductive black polypropylene

Standard Surface Cat. No.	Maxymum Recovery Surface Cat. No.	Max. Vol. (µL)	Type	Tip Rack	Tips/ Rack	Packaging
VT-384-5UL-R	VT-384-5-L-R	5	Non-filtered	A	384	10 racks/pk, 5 pk/cs
–	VT-384-5-L-R-S	5	Non-filtered, sterile	A	384	10 racks/pk, 5 pk/cs
VT-384-10UL-R	VT-384-10-L-R	10	Non-filtered	B	384	10 racks/pk, 5 pk/cs
VT-384-10UL-R-S	VT-384-10-L-R-S	10	Non-filtered, sterile	B	384	10 racks/pk, 5 pk/cs
VT-384-31UL-R	VT-384-31-L-R	30	Non-filtered	C	384	10 racks/pk, 5 pk/cs
VT-384-31UL-R-S	VT-384-31-L-R-S	30	Non-filtered, sterile	C	384	10 racks/pk, 5 pk/cs
VTF-384-15UL-R-S	VTF-384-15-L-R-S	15	Filtered, sterile	C	384	10 racks/pk, 5 pk/cs
VT-384-70UL-R	VT-384-70-L-R	70	Non-filtered, sterile	D	384	10 racks/pk, 5 pk/cs
VT-384-70UL-R-S	VT-384-70-L-R-S	70	Non-filtered, sterile	D	384	10 racks/pk, 5 pk/cs
VTF-384-50UL-R-S	VTF-384-50-L-R-S	50	Filtered, sterile	D	384	10 racks/pk, 5 pk/cs

### Tip Racks



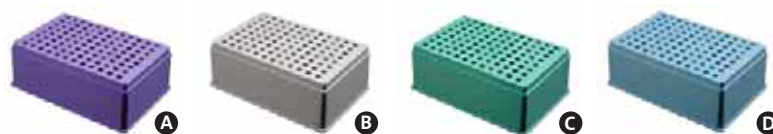
## Beckman Coulter | Biomek® FX, Biomek NX, Multimek™, Biomek 3000, Biomek 4000



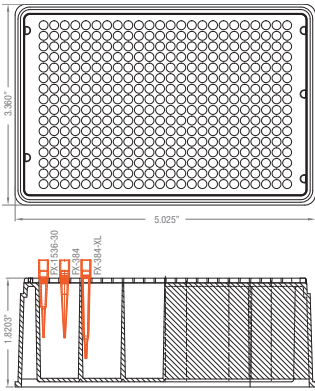
- ▶ Tip format: 96 tip
- ▶ Tip volume range: 5 µL to 250 µL
- ▶ Tip material: Clear polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
  - Standard or Oxygen® Maxymum Recovery® surface
- ▶ Compatible heads: AP-96, MP20, MP200
- ▶ Rack format: ANSI/SLAS
- ▶ Rack material: Polypropylene

Standard Surface Cat. No.	Maxymum Recovery Surface Cat. No.	Max. Vol. (µL)	Type	Compatible head	Tip Rack	Tips/Rack	Packaging
FX-10-R	–	20	Non-filtered	AP-96, MP20	A	96	10 racks/pk, 5 pk/cs
FX-20-R	FX-20-L-R	100	Non-filtered	AP-96, MP20	B	96	10 racks/pk, 5 pk/cs
FX-20-R-S	FX-20-L-R-S	100	Non-filtered, sterile	AP-96, MP20	B	96	10 racks/pk, 5 pk/cs
FXF-20-R-S	FXF-20-L-R-S	20	Filtered, sterile	AP-96, MP20	B	96	10 racks/pk, 5 pk/cs
–	FXF-20-L-R-PB	20	Filtered	AP-96, MP20	B	96	10 racks/pk, 5 pk/cs
FX-50-R	FX-50-L-R	50	Non-filtered	AP-96, MP20, MP200	C	96	10 racks/pk, 5 pk/cs
FX-50-R-S	FX-50-L-R-S	50	Non-filtered, sterile	AP-96, MP20, MP200	C	96	10 racks/pk, 5 pk/cs
FXF-50-R-S	FXF-50-L-R-S	30	Filtered, sterile	AP-96, MP20, MP200	C	96	10 racks/pk, 5 pk/cs
FX-250-R	FX-250-L-R	250	Non-filtered	AP-96, MP200	D	96	10 racks/pk, 5 pk/cs
FX-250-R-S	FX-250-L-R-S	250	Non-filtered, sterile	AP-96, MP200	D	96	10 racks/pk, 5 pk/cs
FXF-180-R-PB	FXF-180-L-R-PB	165	Filtered	AP-96, MP200	D	96	10 racks/pk, 5 pk/cs
FXF-180-R-S	FXF-180-L-R-S	165	Filtered	AP-96, MP200	D	96	10 racks/pk, 5 pk/cs
FXF-200-R-S	–	200	Filtered	AP-96, MP200	D	96	10 racks/pk, 5 pk/cs
FX-255-WB-R	–	250	Non-filtered, wide bore	AP-96, MP200	C	96	10 racks/pk, 5 pk/cs
FXF-165-WB-R-S	–	165	Filtered, wide bore, sterile	AP-96, MP200	C	96	10 racks/pk, 5 pk/cs
FXF-205-WB-R-S	–	200	Filtered, wide bore, sterile	AP-96, MP200	D	96	10 racks/pk, 5 pk/cs

### Tip Racks



Beckman Coulter | Biomek® FX, Biomek NX, Multimek™



- ▶ Tip format: 384 tip
- ▶ Tip volume range: 25 µL to 50 µL
- ▶ Tip material: Clear polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
  - Standard or Axygen® Maxymum Recovery® surface
- ▶ Compatible head: AP-384, 384-channel low volume (FXF-384-XL-R-S only)
  
- ▶ Rack format: ANSI/SLAS
- ▶ Rack material: Polypropylene

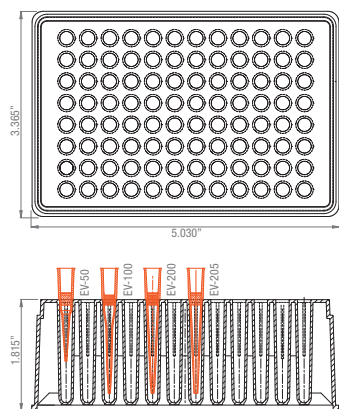


Standard Surface Cat. No.	Maxymum Recovery Surface Cat. No.	Max. Vol. (µL)	Type	Tips/Rack	Packaging
FX-1536-30FP-R	–	27	Non-filtered	384	10 racks/pk, 5 pk/cs
FX-1536-30FP-R-S	–	27	Non-filtered, sterile	384	10 racks/pk, 5 pk/cs
FX-384-R	FX-384-L-R	30	Non-filtered	384	10 racks/pk, 5 pk/cs
FX-384-R-S	–	30	Non-filtered, sterile	384	10 racks/pk, 5 pk/cs
FXF-384-R-S	FXF-384-L-R-S	25	Filtered, sterile	384	10 racks/pk, 5 pk/cs
FX-384-30FP-R	–	30	Non-filtered	384	10 racks/pk, 5 pk/cs
FX-384-30FP-R-S	–	30	Non-filtered, sterile	384	10 racks/pk, 5 pk/cs
FXF-384-30FP-R-S	–	25	Filtered, sterile	384	10 racks/pk, 5 pk/cs
FX-384-45FP-R	–	45	Non-filtered	384	10 racks/pk, 5 pk/cs
FXF-384-45FP-R-S	–	45	Filtered, sterile	384	10 racks/pk, 5 pk/cs
FX-384-XL-R	FX-384-XL-L-R	50	Non-filtered	384	10 racks/pk, 5 pk/cs
FX-384-XL-R-S	FX-384-XL-L-R-S	50	Non-filtered, sterile	384	10 racks/pk, 5 pk/cs
FXF-384-XL-R-S	FXF-384-XL-L-R-S	30	Filtered, sterile	384	10 racks/pk, 5 pk/cs

Tip Rack



## BioTek | Precision™, Precision XS



- ▶ Tip format: 96 tip
- ▶ Tip volume range: 50 µL to 200 µL
- ▶ Tip material: Clear polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
- ▶ Compatible heads: 8- or 12-channel
  
- ▶ Rack format: ANSI/SLAS
- ▶ Rack material: Polypropylene



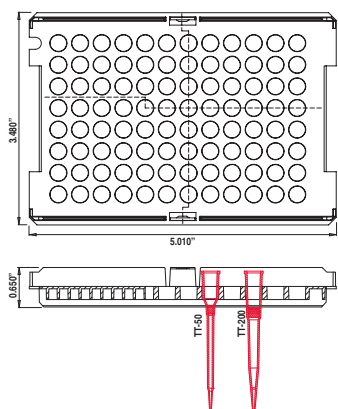
Standard Surface Cat. No.	Max. Vol. (mL)	Type	Tip Rack	Tips/Rack	Packaging
EV-50-R	50	Non-filtered	A	96	10 racks/pk, 5 pk/cs
EV-50-R-S	50	Non-filtered, sterile	A	96	10 racks/pk, 5 pk/cs
EVF-50-R-S	50	Filtered, sterile	A	96	10 racks/pk, 5 pk/cs
EV-100-R	100	Non-filtered	B	96	10 racks/pk, 5 pk/cs
EVF-100-R-S	80	Filtered, sterile	B	96	10 racks/pk, 5 pk/cs
EV-200-R	200	Non-filtered	C	96	10 racks/pk, 5 pk/cs
EV-200-R-S	200	Non-filtered, sterile	C	96	10 racks/pk, 5 pk/cs
EVF-180-R-S	180	Filtered, sterile	C	96	10 racks/pk, 5 pk/cs
EVF-205-WB-R-PB	180	Filtered, wide bore	C	96	10 racks/pk, 5 pk/cs
EVF-205-WB-R-S	180	Filtered, wide bore, sterile	C	96	10 racks/pk, 5 pk/cs

### Tip Racks





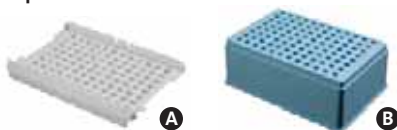
Corbett | CAS, X-tractor Gene



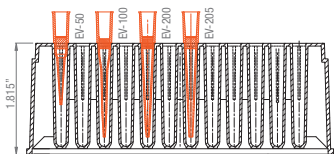
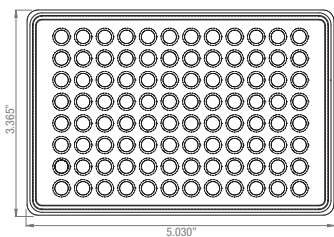
- ▶ Tip format: 96 tip
- ▶ Tip volume range: 25 µL to 200 µL
- ▶ Tip material: Clear or conductive black polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
- ▶ Compatible heads: CAS-1200 Single-channel 20 - 150 µL/sec., X-tractor Gene 8-channel, CAS-4200, CAS-4800, QiaXtractor
- ▶ Rack format: Non-ANSI hanging tip rack
- ▶ Rack material: Polycarbonate
- ▶ CTF rack format: ANSI/SLAS
- ▶ Rack material: Polypropylene

Standard Surface Cat. No.	Max. Vol. (µL)	Type	Compatible Heads	Tip Rack	Tips/Rack	Packaging
TT-50-C-HTR	50	Non-filtered	CAS-1200	A	96	24 racks/cs
TT-50-C-HTR-36	50	Non-filtered	CAS-1200	A	96	2 racks/pk, 36 pk/cs
TTF-50-C-HTR-S	25	Filtered, sterile	CAS-1200	A	96	24 racks/cs
TT-200-C-HTR	200	Non-filtered	CAS-1200	A	96	24 racks/cs
TT-200-C-HTR-S	200	Non-filtered, sterile	CAS-1200	A	96	24 racks/cs
TT-200-C-HTR-36	200	Non-filtered	CAS-1200	A	96	2 racks/pk, 36 pk/cs
TTF-200-C-HTR-S	175	Filtered, sterile	CAS-1200	A	96	24 racks/cs
TT-50-CBK-HTR	50	Conductive, non-filtered	CAS-1200	A	96	24 racks/cs
TT-50-CBK-HTR-S	50	Conductive, non-filtered, sterile	CAS-1200	A	96	24 racks/cs
TT-50-CBK-HTR-36	50	Conductive, non-filtered	CAS-1200	A	96	2 racks/pk, 36 pk/cs
TTF-50-CBK-HTR-S	25	Conductive, filtered, sterile	CAS-1200	A	96	24 racks/cs
TT-200-CBK-HTR	200	Conductive, non-filtered	CAS-1200	A	96	24 racks/cs
TT-200-CBK-HTR-S	200	Conductive, non-filtered, sterile	CAS-1200	A	96	24 racks/cs
TT-200-CBK-HTR-36	200	Conductive, non-filtered	CAS-1200	A	96	2 racks/pk, 36 pk/cs
TTF-200-CBK-HTR-S	175	Conductive, filtered, sterile	CAS-1200	A	96	24 racks/cs
CTF-199-R-S	200	Filtered, sterile	X-tractor Gene 8-channel, CAS-4200, CAS-4800, QiaXtractor	B	96	10 racks/pk, 5 pk/cs

Tip Racks



## Dynamic Devices | Oasis LM



- ▶ Tip format: 96 tip
- ▶ Tip volume range: 50 µL to 200 µL
- ▶ Tip material: Clear polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
- ▶ Compatible heads: 8- or 96-channel standard volume
  
- ▶ Rack format: ANSI/SLAS
- ▶ Rack material: Polypropylene

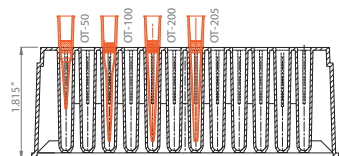
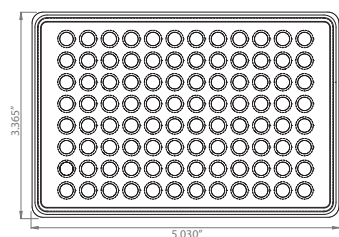


Standard Surface Cat. No.	Max. Vol. (µL)	Type	Compatible head	Tip Rack	Tips/Rack	Packaging
EV-50-R	50	Non-filtered	8- or 96-channel standard volume	A	96	10 racks/pk, 5 pk/cs
EV-50-R-S	50	Non-filtered, sterile	8- or 96-channel standard volume	A	96	10 racks/pk, 5 pk/cs
EVF-50-R-S	50	Filtered, sterile	8- or 96-channel standard volume	A	96	10 racks/pk, 5 pk/cs
EV-100-R	100	Non-filtered	8- or 96-channel standard volume	B	96	10 racks/pk, 5 pk/cs
EVF-100-R-S	80	Filtered, sterile	8- or 96-channel standard volume	B	96	10 racks/pk, 5 pk/cs
EV-200-R	200	Non-filtered	8- or 96-channel standard volume	C	96	10 racks/pk, 5 pk/cs
EV-200-R-S	200	Non-filtered, sterile	8- or 96-channel standard volume	C	96	10 racks/pk, 5 pk/cs
EVF-180-R-S	180	Filtered, sterile	8- or 96-channel standard volume	C	96	10 racks/pk, 5 pk/cs
EVF-205-WB-R-PB	180	Filtered, wide bore	8- or 96-channel standard volume	C	96	10 racks/pk, 5 pk/cs
EVF-205-WB-R-S	180	Filtered, wide bore, sterile	8- or 96-channel standard volume	C	96	10 racks/pk, 5 pk/cs

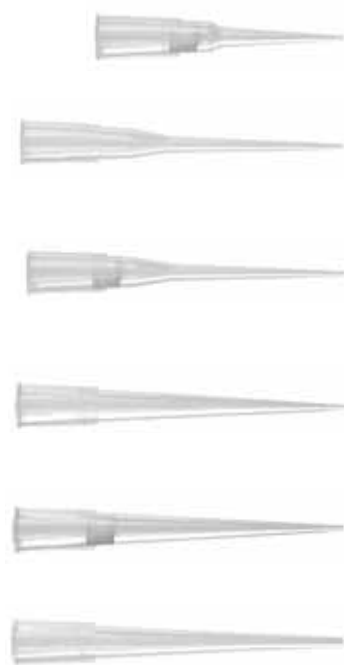
### Tip Racks



## Dynamic Devices | Oasis LM



- ▶ Tip format: 96 tip
- ▶ Tip volume range: 50  $\mu$ L to 200  $\mu$ L
- ▶ Tip material: Clear polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
- ▶ Compatible heads: 8- or 96-channel standard volume
  
- ▶ Rack format: ANSI/SLAS
- ▶ Rack material: Polypropylene

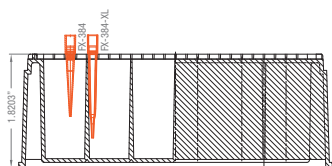
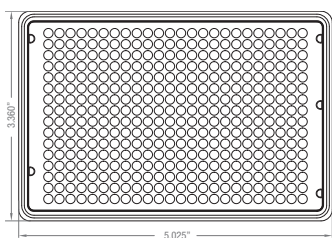


Standard Surface Cat. No.	Max. Vol. ( $\mu$ L)	Type	Tip Rack	Tips/Rack	Packaging
OTF-50-R-PB	50	Filtered	A	96	10 racks/pk, 5 pk/cs
OT-100-R	100	Non-filtered	B	96	10 racks/pk, 5 pk/cs
OT-100-R-S	100	Non-filtered, sterile	B	96	10 racks/pk, 5 pk/cs
OTF-100-R-PB	100	Filtered	B	96	10 racks/pk, 5 pk/cs
OTF-100-R-S	100	Filtered, sterile	B	96	10 racks/pk, 5 pk/cs
OT-200-R	200	Non-filtered	C	96	10 racks/pk, 5 pk/cs
OT-200-R-S	200	Non-filtered, sterile	C	96	10 racks/pk, 5 pk/cs
OTF-180-R-PB	180	Filtered	C	96	10 racks/pk, 5 pk/cs
OTF-180-R-S	180	Filtered, sterile	C	96	10 racks/pk, 5 pk/cs
OT-205-WB-R	200	Non-filtered, wide bore	C	96	10 racks/pk, 5 pk/cs

### Tip Racks



**Dynamic Devices | Oasis LM**



- ▶ Tip format: 384 tip
- ▶ Tip volume range: 25 µL to 50 µL
- ▶ Tip material: Clear polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
  - Standard or Oxygen<sup>®</sup> Maxymum Recovery<sup>®</sup> surface
- ▶ Compatible head: 384-channel low volume
  
- ▶ Rack format: ANSI/SLAS
- ▶ Rack material: Polypropylene

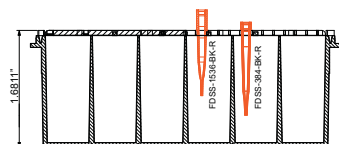
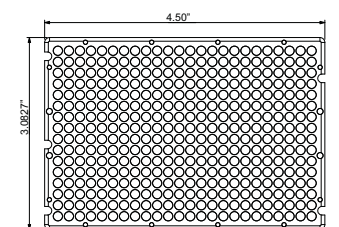


Standard Surface Cat. No.	Maxymum Recovery Surface Cat. No.	Max. Vol. (µL)	Type	Tips/Rack	Packaging
FX-384-R	FX-384-L-R	30	Non-filtered	384	10 racks/pk, 5 pk/cs
FX-384-R-S	–	30	Non-filtered, sterile	384	10 racks/pk, 5 pk/cs
FXF-384-R-S	FXF-384-L-R-S	25	Filtered, sterile	384	10 racks/pk, 5 pk/cs
FX-384-30FP-R	–	30	Non-filtered	384	10 racks/pk, 5 pk/cs
FX-384-30FP-R-S	–	30	Non-filtered, sterile	384	10 racks/pk, 5 pk/cs
FXF-384-30FP-R-S	–	25	Filtered, sterile	384	10 racks/pk, 5 pk/cs
FX-384-45FP-R	–	45	Non-filtered	384	10 racks/pk, 5 pk/cs
FXF-384-45FP-R-S	–	45	Filtered, sterile	384	10 racks/pk, 5 pk/cs
FX-384-XL-R	FX-384-XL-L-R	50	Non-filtered	384	10 racks/pk, 5 pk/cs
FX-384-XL-R-S	FX-384-XL-L-R-S	50	Non-filtered, sterile	384	10 racks/pk, 5 pk/cs
FXF-384-XL-R-S	FXF-384-XL-L-R-S	30	Filtered, sterile	384	10 racks/pk, 5 pk/cs

**Tip Rack**



## Hamamatsu | 6000 and 7000 Series



- ▶ Tip format: 384 tip
- ▶ Tip volume range: 50  $\mu\text{L}$
- ▶ Tip material: Conductive black polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Compatible heads: FDSS 7000, FDSS 6000
  
- ▶ Rack format: Non-ANSI hanging tip rack
- ▶ Rack material: Polypropylene

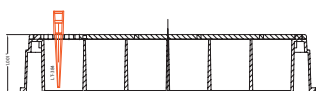
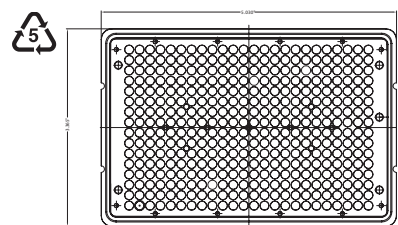
Standard Surface Cat. No.	Max. Vol. ( $\mu\text{L}$ )	Type	Compatible Head	Packaging
FDSS-1536-BK-R*	50	Non-filtered	FDSS 7000	384/rack, 10 racks/pk, 5 pk/cs
FDSS-384-BK-R	50	Non-filtered	FDSS 6000	384/rack, 10 racks/pk, 5 pk/cs

\*Compatible with a 1536-well microplate.

### Tip Rack



## Molecular Devices | FLIPR® Liberty 384, FLIPR Tetra

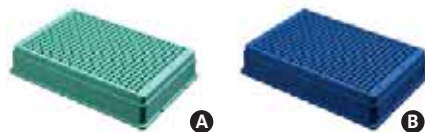


- ▶ Tip format: 384 tip
- ▶ Tip volume range: 30  $\mu\text{L}$
- ▶ Tip material: Clear or black polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Compatible head: FLIPR Liberty 384, FLIPR Tetra
  
- ▶ Rack format: ANSI
- ▶ Rack material: Polypropylene

Standard Surface Cat. No.	Max. Vol. ( $\mu\text{L}$ )	Type*	Compatible Head	Tip Rack	Packaging
LT-384-R	30	Clear, non-filtered	Liberty 384	A	384/rack, 10 racks/pk, 5 pk/cs
LT-384-BK-R	30	Black, non-filtered	Liberty 384	A	384/rack, 10 racks/pk, 5 pk/cs
FT-384-C-R	30	Clear, non-filtered	Tetra	B	384/rack, 10 racks/pk, 5 pk/cs
FT-384-BK-R	30	Black, non-filtered	Tetra	B	384/rack, 10 racks/pk, 5 pk/cs

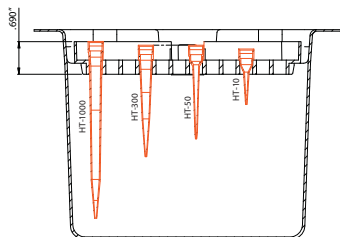
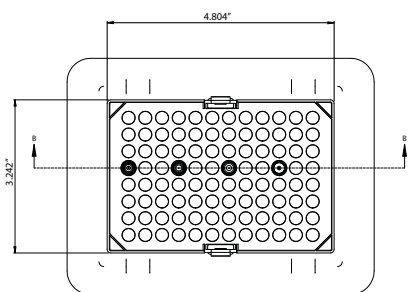
\*Clear polypropylene tip is shown; black polypropylene tips are not shown but are identical in design.

### Tip Racks



**Hamilton | Microlab® STAR™, STARlet, STARplus, Nimbus®**

AUTOMATION TIPS



- ▶ Tip format: 96 tip
- ▶ Tip volume range: 10 µL to 1,000 µL
- ▶ Tip material: Conductive black or clear polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
- ▶ Compatible head: 8-channel, 96-probe
  
- ▶ Rack format: ANSI/SLAS
- ▶ Rack material: Polypropylene



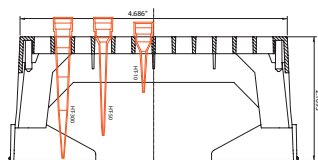
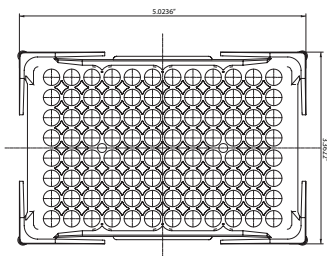
Standard Surface Cat. No.	Max. Vol. (µL)	Type*	Tips/Rack	Packaging
HT-10-CBK-HTR-5	10	Conductive, non-filtered	96	5 racks/pk, 12 pk/cs
HT-10-CBK-HTR-S-5	10	Conductive, non-filtered, sterile	96	5 racks/pk, 12 pk/cs
HT-10-C-HTR-5	10	Clear, non-filtered	96	5 racks/pk, 12 pk/cs
HT-10-C-HTR-S-5	10	Clear, non-filtered, sterile	96	5 racks/pk, 12 pk/cs
HTF-10-CBK-HTR-S-5	10	Conductive, filtered, sterile	96	5 racks/pk, 12 pk/cs
HTF-10-C-HTR-S-5	10	Clear, filtered, sterile	96	5 racks/pk, 12 pk/cs
HT-50-CBK-HTR-5	50	Conductive, non-filtered	96	5 racks/pk, 12 pk/cs
HT-50-CBK-HTR-S-5	50	Conductive, non-filtered, sterile	96	5 racks/pk, 12 pk/cs
HT-50-C-HTR-5	50	Clear, non-filtered	96	5 racks/pk, 12 pk/cs
HT-50-C-HTR-S-5	50	Clear, non-filtered, sterile	96	5 racks/pk, 12 pk/cs
HTF-50-CBK-HTR-S-5	50	Conductive, filtered, sterile	96	5 racks/pk, 12 pk/cs
HTF-50-C-HTR-S-5	50	Clear, filtered, sterile	96	5 racks/pk, 12 pk/cs
HT-300-CBK-HTR-5	300	Conductive, non-filtered	96	5 racks/pk, 12 pk/cs
HT-300-CBK-HTR-S-5	300	Conductive, non-filtered, sterile	96	5 racks/pk, 12 pk/cs
HT-300-C-HTR-5	300	Clear, non-filtered	96	5 racks/pk, 12 pk/cs
HT-300-C-HTR-S-5	300	Clear, non-filtered, sterile	96	5 racks/pk, 12 pk/cs
HTF-300-CBK-HTR-S-5	300	Conductive, filtered, sterile	96	5 racks/pk, 12 pk/cs
HTF-300-C-HTR-S-5	300	Clear, filtered, sterile	96	5 racks/pk, 12 pk/cs
HT-1000-CBK-HTR-5	1,000	Conductive, non-filtered	96	5 racks/pk, 8 pk/cs
HT-1000-CBK-HTR-S-5	1,000	Conductive, non-filtered, sterile	96	5 racks/pk, 8 pk/cs
HT-1000-C-HTR-5	1,000	Clear, non-filtered	96	5 racks/pk, 8 pk/cs
HT-1000-C-HTR-S-5	1,000	Clear, non-filtered, sterile	96	5 racks/pk, 8 pk/cs
HTF-1000-CBK-HTR-S-5	1,000	Conductive, non-filtered, sterile	96	5 racks/pk, 8 pk/cs
HTF-1000-C-HTR-S-5	1,000	Clear, filtered, sterile	96	5 racks/pk, 8 pk/cs

\*Conductive black polypropylene tips are shown; clear polypropylene tips are not shown but are identical in design.

**Tip Racks**



## Hamilton | Microlab® STAR™, STARlet, STARplus, Nimbus®



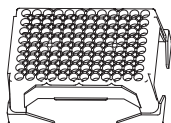
- ▶ Tip format: 96 tip
- ▶ Tip volume range: 10 µL to 300 µL
- ▶ Tip material: Conductive black or clear polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
- ▶ Compatible head: 8-channel, 96-probe
  
- ▶ Rack format: ANSI/SLAS
- ▶ Rack material: Polypropylene



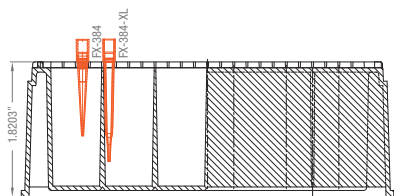
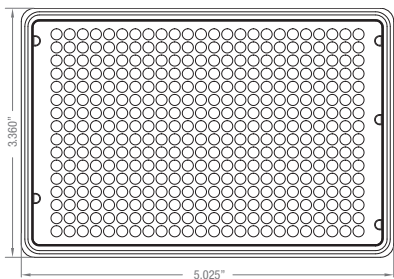
Standard Surface Cat. No.	Max. Vol. (µL)	Type*	Tips/Rack	Packaging
HT-10-CBK-STK	10	Conductive, non-filtered	96	4 racks/stack, 30 stacks/cs
HT-10-CBK-STK-S	10	Conductive, non-filtered, sterile	96	4 racks/stack, 30 stacks/cs
HT-10-C-STK	10	Clear, non-filtered	96	4 racks/stack, 30 stacks/cs
HT-10-C-STK-S	10	Clear, non-filtered, sterile	96	4 racks/stack, 30 stacks/cs
HT-50-CBK-STK	50	Conductive, non-filtered	96	4 racks/stack, 30 stacks/cs
HT-50-CBK-STK-S	50	Conductive, non-filtered, sterile	96	4 racks/stack, 30 stacks/cs
HT-50-C-STK	50	Clear, non-filtered	96	4 racks/stack, 30 stacks/cs
HT-50-C-STK-S	50	Clear, non-filtered, sterile	96	4 racks/stack, 30 stacks/cs
HT-300-CBK-STK	300	Conductive, non-filtered	96	4 racks/stack, 30 stacks/cs
HT-300-CBK-STK-S	300	Conductive, non-filtered, sterile	96	4 racks/stack, 30 stacks/cs
HT-300-C-STK	300	Clear, non-filtered	96	4 racks/stack, 30 stacks/cs
HT-300-C-STK-S	300	Clear, non-filtered, sterile	96	4 racks/stack, 30 stacks/cs

\*Conductive black polypropylene tips are shown; clear polypropylene tips are not shown but are identical in design.

### Tip Rack



## Hamilton | Microlab® STAR™, STARlet, STARplus, Nimbus®



- ▶ Tip format: 384 tip
- ▶ Tip volume range: 25 µL to 50 µL
- ▶ Tip material: Clear polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
  - Standard or Oxygen® Maxymum Recovery® surface
- ▶ Compatible head: 384-probe
- ▶ Rack format: ANSI/SLAS
- ▶ Rack material: Polypropylene



Standard Surface Cat. No.	Maxymum Recovery Surface Cat. No.	Max. Vol. (µL)	Type	Tips/Rack	Packaging
FX-384-R	FX-384-L-R	30	Non-filtered	384	10 racks/pk, 5 pk/cs
FX-384-R-S	—	30	Non-filtered, sterile	384	10 racks/pk, 5 pk/cs



FXF-384-R-S	FXF-384-L-R-S	25	Filtered, sterile	384	10 racks/pk, 5 pk/cs
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FX-384-30FP-R	—	30	Non-filtered	384	10 racks/pk, 5 pk/cs
FX-384-30FP-R-S	—	30	Non-filtered, sterile	384	10 racks/pk, 5 pk/cs



FXF-384-30FP-R-S	—	25	Filtered, sterile	384	10 racks/pk, 5 pk/cs
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FX-384-45FP-R	—	45	Non-filtered	384	10 racks/pk, 5 pk/cs
FXF-384-45FP-R-S	—	45	Filtered, sterile	384	10 racks/pk, 5 pk/cs



FX-384-XL-R	FX-384-XL-L-R	50	Non-filtered	384	10 racks/pk, 5 pk/cs
FX-384-XL-R-S	FX-384-XL-L-R-S	50	Non-filtered, sterile	384	10 racks/pk, 5 pk/cs



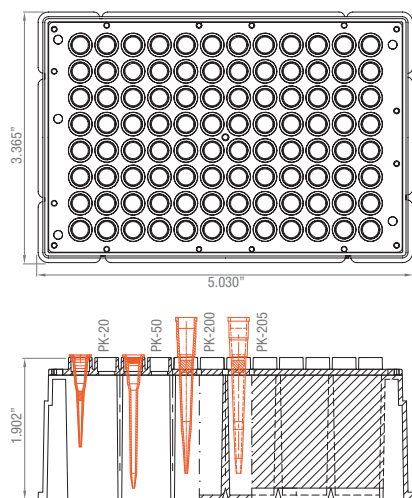
FXF-384-XL-R-S	FXF-384-XL-L-R-S	30	Filtered, sterile	384	10 racks/pk, 5 pk/cs
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### Tip Rack





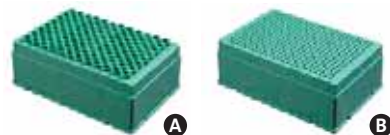
**PerkinElmer | Janus<sup>®</sup>, Evolution<sup>™</sup> P3, MiniTrak<sup>™</sup>, PlateTrak<sup>™</sup>**



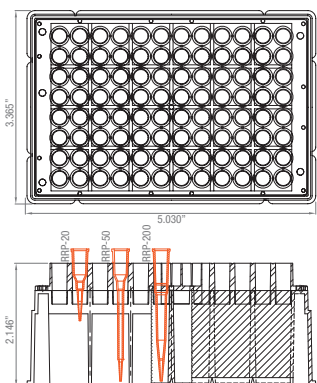
- ▶ Tip format: 96 tip and 384 tip
- ▶ Tip volume range: 20 µL to 235 µL
- ▶ Tip material: Clear or black polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
  - Standard or Axygen<sup>®</sup> Maxymum Recovery<sup>®</sup> surface
- ▶ Compatible heads: MDT-96 P50, MDT-384-30 µL
  
- ▶ Rack format: ANSI/SLAS
- ▶ Rack material: Polypropylene

Standard Surface Cat. No.	Maxymum Recovery Surface Cat. No.	Max. Vol. (µL)	Type	Compatible Head	Tip Rack	Packaging
PK-20-R	—	20	Clear, non-filtered	MDT-96 P50	A	10 racks/pk, 5 pk/cs
PK-50-R	PK-50-L-R	50	Clear, non-filtered	MDT-96 P50	A	10 racks/pk, 5 pk/cs
PK-200-R	PK-200-L-R	235	Clear, non-filtered	MDT-96 P235	A	10 racks/pk, 5 pk/cs
PK-200-BK-R	—	235	Black, non-filtered	MDT-96 P235	A	10 racks/pk, 5 pk/cs
PKF-180-R-S	—	180	Clear, filtered, sterile	MDT-96 P235	A	10 racks/pk, 5 pk/cs
PK-384-R	—	30	Clear, non-filtered	MDT-384-30 µL	B	10 racks/pk, 5 pk/cs
PK-384-R-S	—	30	Clear, non-filtered, sterile	MDT-384-30 µL	B	10 racks/pk, 5 pk/cs
PKF-384-R-S	—	25	Clear, filtered, sterile	MDT-384-30 µL	B	10 racks/pk, 5 pk/cs

**Tip Racks**



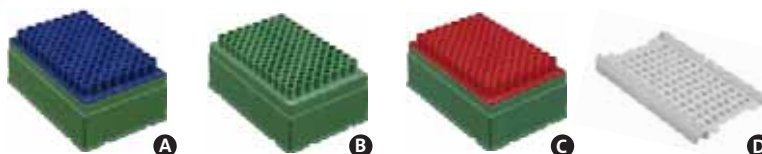
PerkinElmer | MultiPROBE, Janus®



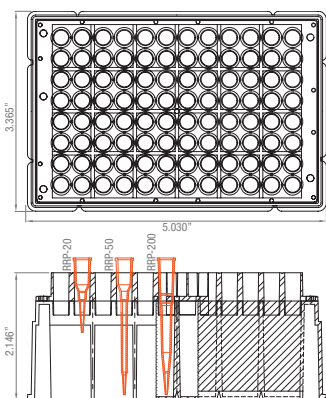
- ▶ Tip format: 96 tip
- ▶ Tip volume range: 20 µL to 1,000 µL
- ▶ Tip material: Clear polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
- ▶ Compatible heads: Variospan 1, 4, 8, P235
- ▶ Rack format: ANSI/SLAS
- ▶ Rack material: Polypropylene
- ▶ 1 mL rack format: Non-ANSI hanging tip rack
- ▶ Rack material: Polycarbonate

Standard Surface Cat. No.	Max. Vol. (µL)	Type	Tip Rack	Compatible Head	Tips/Rack	Packaging
RRP-20-C-R	20	Non-filtered	A	Variospan 1, 4, 8	96	10 racks/pk, 5 pk/cs
RRP-50-C-R	50	Non-filtered	B	Variospan 1, 4, 8	96	10 racks/pk, 5 pk/cs
RRF-25-C-R-S	25	Filtered, sterile	B	Variospan 1, 4, 8	96	10 racks/pk, 5 pk/cs
RRP-200-C-R-S	235	Non-filtered, sterile	C	Variospan 1, 4, 8, P235	96	10 racks/pk, 5 pk/cs
RRF-175-C-R-S	175	Filtered, sterile	C	Variospan 1, 4, 8, P235	96	10 racks/pk, 5 pk/cs
TT-1000-C-HTR	1,000	Non-filtered	D	Variospan 1, 4, 8	96	16 racks/cs
TT-1000-C-HTR-S	1,000	Non-filtered, sterile	D	Variospan 1, 4, 8	96	16 racks/cs
TTF-1000-C-HTR-S	1,000	Filtered, sterile	D	Variospan 1, 4, 8	96	16 racks/cs

Tip Racks



PerkinElmer | MultiPROBE, Janus®



- ▶ Tip format: 96 tip
- ▶ Tip volume range: 20 µL to 1,000 µL
- ▶ Tip material: Conductive black polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
- ▶ Compatible heads: Variospan 1, 4, 8
  
- ▶ Rack format: Non-ANSI
- ▶ Rack material: Polypropylene
  
- ▶ 1 mL rack format: Non-ANSI hanging tip rack
- ▶ Rack material: Polycarbonate

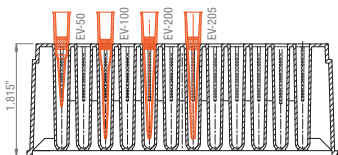
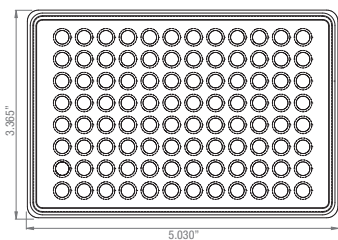


Standard Surface Cat. No.	Max. Vol. (µL)	Type	Tip Rack	Tips/Rack	Packaging
RRP-50-CBK-R	50	Non-filtered	A	96	10 racks/pk, 5 pk/cs
RRF-25-CBK-R-S	25	Filtered, sterile	A	96	10 racks/pk, 5 pk/cs
RRP-200-CBK-R	235	Non-filtered	B	96	10 racks/pk, 5 pk/cs
RRF-175-CBK-R-S	175	Filtered, sterile	B	96	10 racks/pk, 5 pk/cs
TT-1000-CBK-HTR	1,000	Non-filtered	C	96	16 racks/cs
TT-1000-CBK-HTR-24	1,000	Non-filtered	C	96	2 racks/pk, 24 pk/cs
TT-1000-CBK-HTR-S	1,000	Non-filtered, sterile	C	96	16 racks/cs
TTF-1000-CBK-HTR-S	1,000	Filtered, sterile	C	96	16 racks/cs

Tip Racks



PerkinElmer | Zymark® RapidPlate®, Sciclone®, Zephyr®

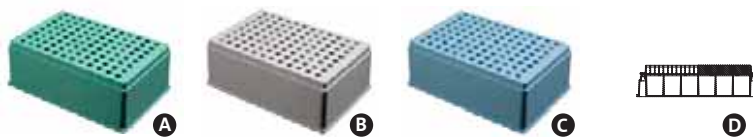


- ▶ Tip format: 96 tip
- ▶ Tip volume range: 25 µL to 200 µL
- ▶ Tip material: Clear polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
- ▶ Compatible heads: HV96, LV96, LV384
- ▶ Rack format: ANSI/SLAS
- ▶ Rack material: Polypropylene

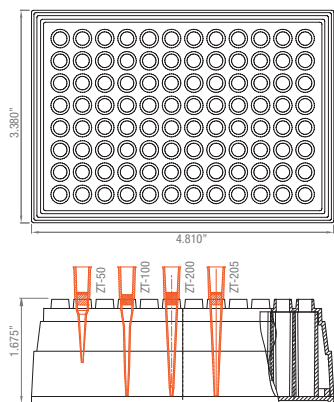


Surface Standard Cat. No.	Max. Vol. (µL)	Type	Compatible Head	Tip Rack	Tips/Rack	Packaging
EV-50-R	50	Non-filtered	HV96	A	96	10 racks/pk, 5 pk/cs
EV-50-R-S	50	Non-filtered, sterile	HV96	A	96	10 racks/pk, 5 pk/cs
EVF-50-R-S	50	Filtered, sterile	HV96	A	96	10 racks/pk, 5 pk/cs
EV-100-R	100	Non-filtered	HV96	B	96	10 racks/pk, 5 pk/cs
EVF-100-R-S	80	Filtered, sterile	HV96	B	96	10 racks/pk, 5 pk/cs
EV-200-R	200	Non-filtered	HV96	C	96	10 racks/pk, 5 pk/cs
EV-200-R-S	200	Non-filtered, sterile	HV96	C	96	10 racks/pk, 5 pk/cs
EVF-180-R-S	180	Filtered, sterile	HV96	C	96	10 racks/pk, 5 pk/cs
EVF-205-WB-R-PB	180	Filtered, wide bore	HV96	C	96	10 racks/pk, 5 pk/cs
EVF-205-WB-R-S	180	Filtered, wide bore, sterile	HV96	C	96	10 racks/pk, 5 pk/cs
ZT-384-C-R	25	Non-filtered	LV96, LV384	D	384	10 racks/pk, 5 pk/cs
ZT-384-C-R-S	25	Non-filtered, sterile	LV96, LV384	D	384	10 racks/pk, 5 pk/cs

Tip Racks



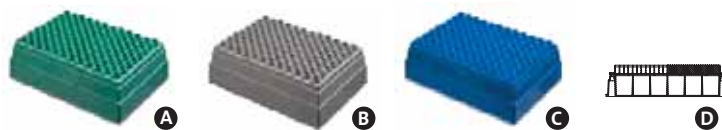
## PerkinElmer | Zymark® RapidPlate®, Sciclone®



- ▶ Tip format: 96 tip and 384 tip
- ▶ Tip volume range: 25 µL to 200 µL
- ▶ Tip material: Clear polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
  - Standard or Axygen® Maxymum Recovery® surface
- ▶ Compatible heads: HV96 , CAS-4200-1 (20 - 150 µL/sec.), LV96, LV384
- ▶ Rack format: Non-ANSI (96) and ANSI/SLAS (384)
- ▶ Rack material: Polypropylene

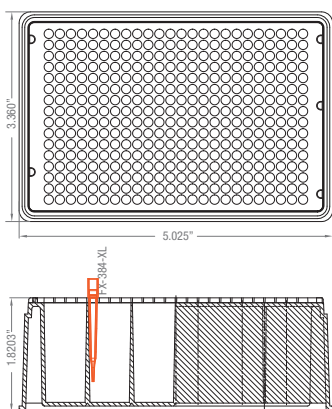
Standard Surface Cat. No.	Maxymum Recovery Surface Cat. No.	Max. Vol. (µL)	Type	Compatible Head	Tip Rack	Tips/Rack	Packaging
ZT-50-R	–	50	Non-filtered	HV96	A	96	10/pk, 5 pk/cs
ZT-50-R-S	–	50	Non-filtered, sterile	HV96	A	96	10/pk, 5 pk/cs
ZTF-50-R-S	–	50	Filtered, sterile	HV96	A	96	10/pk, 5 pk/cs
ZT-100-R	ZT-100-L-R	100	Non-filtered	HV96, CAS-4200-1	B	96	10/pk, 5 pk/cs
ZT-100-R-S	–	100	Non-filtered, sterile	HV96, CAS-4200-1	B	96	10/pk, 5 pk/cs
ZTF-100-R-S	ZTF-100-L-R-S	80	Filtered, sterile	HV96, CAS-4200-1	B	96	10/pk, 5 pk/cs
ZT-200-R	ZT-200-L-R	200	Non-filtered	HV96, CAS-4200-1	C	96	10/pk, 5 pk/cs
ZT-200-R-S	ZT-200-L-R-S	200	Non-filtered, sterile	HV96, CAS-4200-1	C	96	10/pk, 5 pk/cs
ZTF-200-R-S	ZTF-200-L-R-S	180	Filtered, sterile	HV96, CAS-4200-1	C	96	10/pk, 5 pk/cs
ZT-384-C-R	–	25	Non-filtered	LV96, LV384	D	384	10/pk, 5 pk/cs
ZT-384-C-R-S	–	25	Non-filtered, sterile	LV96, LV384	D	384	10/pk, 5 pk/cs

### Tip Racks



**ProGroup/WellPro | 3000-96, 3000-384**

AUTOMATION TIPS

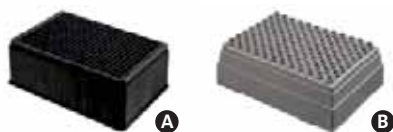


- ▶ Tip format: 96 tip and 384 tip
- ▶ Tip volume range: 30 µL to 200 µL
- ▶ Tip material: Clear polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
  - Standard or Axygen® Maxymum Recovery® surface
- ▶ Compatible heads: 16- and 24-channel; 8- and 12-channel
- ▶ Rack format: Non-ANSI (96) and ANSI/SLAS (384)
- ▶ Rack material: Polypropylene

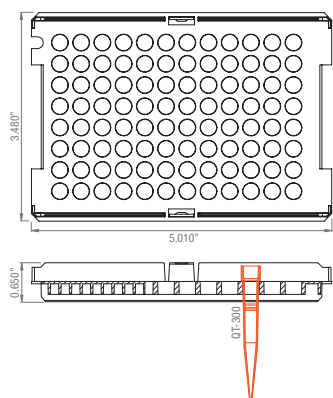


Standard Surface Cat. No.	Maxymum Recovery Surface Cat. No.	Max. Vol. (µL)	Type	Compatible Head	Tip Rack	Tips/Rack	Packaging
TWP-200-R	–	200	Non-filtered	8-, 12-ch.	B	96	10 rk/pk, 5 pk/cs
TWP-200-R-S	–	200	Non-filtered, sterile	8-, 12-ch.	B	96	10 rk/pk, 5 pk/cs
FX-384-R	FX-384-L-R	30	Non-filtered	16-, 24-ch.	A	384	10 rk/pk, 5 pk/cs
FX-384-R-S	–	30	Non-filtered, sterile	16-, 24-ch.	A	384	10 rk/pk, 5 pk/cs
FXF-384-R-S	FXF-384-L-R-S	25	Filtered, sterile	16-, 24-ch.	A	384	10 rk/pk, 5 pk/cs
FX-384-30FP-R	–	30	Non-filtered	16-, 24-ch.	A	384	10 rk/pk, 5 pk/cs
FX-384-30FP-R-S	–	30	Non-filtered, sterile	16-, 24-ch.	A	384	10 rk/pk, 5 pk/cs
FXF-384-30FP-R-S	–	25	Filtered, sterile	16-, 24-ch.	A	384	10 rk/pk, 5 pk/cs
FX-384-45FP-R	–	45	Non-filtered	16-, 24-ch.	A	384	10 rk/pk, 5 pk/cs
FXF-384-45FP-R-S	–	45	Filtered, sterile	16-, 24-ch.	A	384	10 rk/pk, 5 pk/cs
FX-384-XL-R	FX-384-XL-L-R	50	Non-filtered	16-, 24-ch.	A	384	10 rk/pk, 5 pk/cs
FX-384-XL-R-S	FX-384-XL-L-R-S	50	Non-filtered, sterile	16-, 24-ch.	A	384	10 rk/pk, 5 pk/cs
FXF-384-XL-R-S	FXF-384-XL-L-R-S	30	Filtered, sterile	16-, 24-ch.	A	384	10 rk/pk, 5 pk/cs

**Tip Racks**



**Qiagen | BioRobot® Series**



- ▶ Tip format: 96 tip
- ▶ Tip volume range: 250 µL to 1,100 µL
- ▶ Tip material: Conductive black polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
- ▶ Compatible head: BioRobot
  
- ▶ Rack format: Non-ANSI hanging tip rack
- ▶ Rack material: Polycarbonate

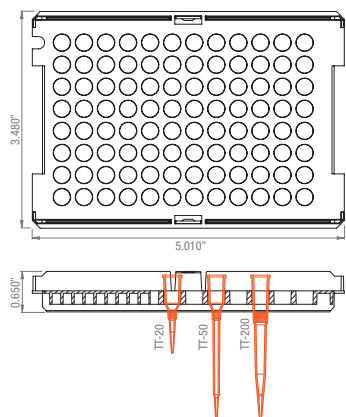


Standard Surface Cat. No.	Max Vol. (µL)	Type	Tips/Rack	Packaging
QT-300-CBK-R	300	Non-filtered	96	24 racks/cs
QTF-1100-CBK-R-S	1,000	Filtered, sterile	96	16 racks/cs

**Tip Rack**



## Tecan | Genesis Freedom®, Freedom EVO®, Miniprep with LiHa



- ▶ Tip format: 96 tip
- ▶ Tip volume range: 10 µL to 1,000 µL
- ▶ Tip material: Clear polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
- ▶ Compatible heads: LiHa -1, -4, -8
- ▶ Rack format: Non-ANSI hanging tip rack
- ▶ Rack material: Polycarbonate

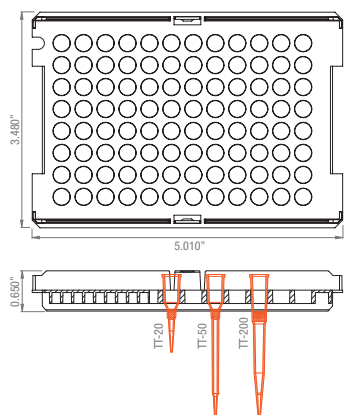
Standard Surface Cat. No.	Max. Vol. (µL)	Type	Tips/Rack	Packaging
TT-20-C-HTR-36	20	Non-filtered	96	2 racks/pk, 36 pk/cs
TT-20-C-HTR-S	10	Filtered, sterile	96	24 racks/cs
TT-50-C-HTR	50	Non-filtered	96	24 racks/cs
TT-50-C-HTR-36	50	Non-filtered	96	2 racks/pk, 36 pk/cs
TTF-50-C-HTR-S	25	Filtered, sterile	96	24 racks/cs
TT-200-C-HTR	200	Non-filtered	96	24 racks/cs
TT-200-C-HTR-S	200	Non-filtered, sterile	96	24 racks/cs
TTF-200-C-HTR-S	175	Filtered, sterile	96	24 racks/cs
TT-1000-C-HTR	1,000	Non-filtered	96	16 racks/cs
TT-1000-C-HTR-S	1,000	Non-filtered, sterile	96	16 racks/cs
TTF-1000-C-HTR-S	1,000	Filtered, sterile	96	16 racks/cs

### Tip Rack





## Tecan | Genesis Freedom®, Freedom EVO®, Miniprep with LiHa



- ▶ Tip format: 96 tip
- ▶ Tip volume range: 10 µL to 1,000 µL
- ▶ Tip material: Conductive black polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
- ▶ Compatible heads: LiHa -1, -4, -8
  
- ▶ Rack format: Non-ANSI hanging tip rack
- ▶ Rack material: Polycarbonate

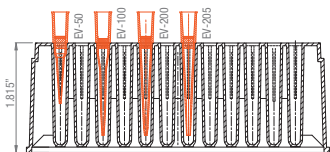
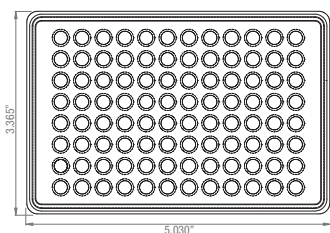
Standard Surface Cat. No.	Max. Vol. (µL)	Type	Tips/ Rack	Packaging
TT-20-CBK-HTR	20	Non-filtered	96	24 racks/cs
TT-20-CBK-HTR-36	20	Non-filtered	96	2 racks/pk, 36 pk/cs
TTF-20-CBK-HTR-S	10	Filtered, sterile	96	24 racks/cs
TT-50-CBK-HTR	50	Non-filtered	96	24 racks/cs
TT-50-CBK-HTR-36	50	Non-filtered	96	2 racks/pk, 36 pk/cs
TT-50-CBK-HTR-S	50	Non-filtered, sterile	96	24 racks/cs
TTF-50-CBK-HTR-S	25	Filtered, sterile	96	24 racks/cs
TT-200-CBK-HTR	200	Non-filtered	96	24 racks/cs
TT-200-CBK-HTR-S	200	Non-filtered, sterile	96	24 racks/cs
TTF-200-CBK-HTR-S	175	Filtered, sterile	96	24 racks/cs
TT-1000-CBK-HTR	1,000	Non-filtered	96	16 racks/cs
TT-1000-CBK-HTR-24	1,000	Non-filtered	96	2 racks/pk, 24 pk/cs
TT-1000-CBK-HTR-S	1,000	Non-filtered, sterile	96	16 racks/cs
TTF-1000-CBK-HTR-S	1,000	Filtered, sterile	96	16 racks/cs

### Tip Rack



**Tecan | Freedom EVO®, Te-MO™, Aquarius™**

AUTOMATION TIPS



- ▶ Tip format: 96 tip
- ▶ Tip volume range: 50 µL to 200 µL
- ▶ Tip material: Clear polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
- ▶ Compatible head: MCA96
- ▶ Rack format: ANSI/SLAS
- ▶ Rack material: Polypropylene

Standard Surface Cat. No.	Type	Max. Vol. (µL)	Tip Rack	Tips/Rack	Packaging
EV-50-R	Non-filtered	50	A	96	10 racks/pk, 5 pk/cs
EV-50-R-S	Non-filtered, sterile	50	A	96	10 racks/pk, 5 pk/cs
EVF-50-R-S	Filtered, sterile	50	A	96	10 racks/pk, 5 pk/cs
EV-100-R	Non-filtered	100	B	96	10 racks/pk, 5 pk/cs
EVF-100-R-S	Filtered, sterile	80	B	96	10 racks/pk, 5 pk/cs
EV-200-R	Non-filtered	200	C	96	10 racks/pk, 5 pk/cs
EV-200-R-S	Non-filtered, sterile	200	C	96	10 racks/pk, 5 pk/cs
EVF-180-R-S	Filtered, sterile	180	C	96	10 racks/pk, 5 pk/cs
EVF-205-WB-R-PB	Filtered, wide-bore	180	C	96	10 racks/pk, 5 pk/cs
EVF-205-WB-R-S	Filtered, wide-bore, sterile	180	C	96	10 racks/pk, 5 pk/cs

**Tip Racks**

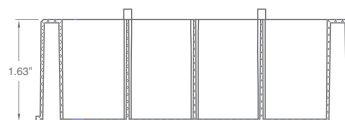
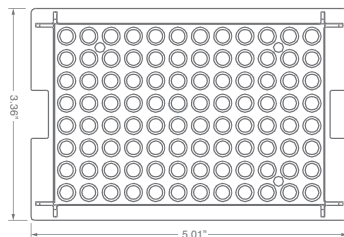


**Tecan | Freedom EVO, Te Mo, Aquarius – Nested**

Same format, materials, and features as above.



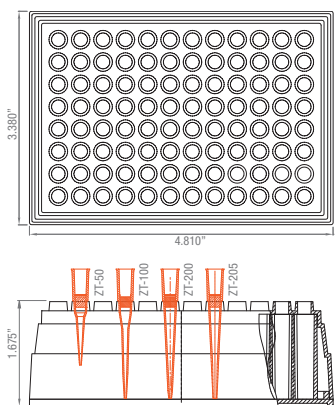
Standard Surface Cat. No.	Max. Vol. (µL)	Type	Tip Rack	Tips/Wafer	Packaging
EV-50-NTR	50	Non-filtered, nested	D	96	8 wafers/stack, 5 stacks/cs
EV-50-NTR-S	50	Non-filtered, nested, sterile	D	96	8 wafers/stack, 5 stacks/cs
EV-200-NTR	200	Non-filtered, nested	E	96	8 wafers/stack, 5 stacks/cs
EV-200-NTR-S	200	Non-filtered, , nested, sterile	E	96	8 wafers/stack, 5 stacks/cs



**Tip Racks**



## Tecan | Freedom EVO®, Te-MO™, Aquarius™



- ▶ Tip format: 96 tip
- ▶ Tip volume range: 50 µL to 200 µL
- ▶ Tip material: Clear polypropylene
- ▶ RNase-/DNase-/human gDNA-free
- ▶ Nonpyrogenic
- ▶ Available options:
  - With or without aerosol-resistant filters
  - Nonsterile or sterile
  - Standard or Axygen® Maxymum Recovery® surface
- ▶ Compatible heads: MCA96, Te-MO 96
  
- ▶ Rack format: Non-ANSI
- ▶ Rack material: Polypropylene



Standard Surface Cat. No.	Maxymum Recovery Surface Cat. No.	Max. Vol. (µL)	Type	Tip Rack	Tips/Rack	Packaging
ZT-50-R	—	50	Non-filtered	A	96	10 racks/pk, 5 pk/cs
ZT-50-R-S	—	50	Non-filtered, sterile	A	96	10 racks/pk, 5 pk/cs
ZTF-50-R-S	—	50	Filtered, sterile	A	96	10 racks/pk, 5 pk/cs
ZT-100-R	ZT-100-L-R	100	Non-filtered	B	96	10 racks/pk, 5 pk/cs
ZT-100-R-S	—	100	Non-filtered, sterile	B	96	10 racks/pk, 5 pk/cs
ZTF-100-R-S	ZTF-100-L-R-S	80	Filtered, sterile	B	96	10 racks/pk, 5 pk/cs
ZT-200-R	ZT-200-L-R	200	Non-filtered	C	96	10 racks/pk, 5 pk/cs
ZT-200-R-S	ZT-200-L-R-S	200	Non-filtered, sterile	C	96	10 racks/pk, 5 pk/cs
ZTF-200-R-S	ZTF-200-L-R-S	180	Filtered, sterile	C	96	10 racks/pk, 5 pk/cs

### Tip Racks



## Automation Tip Compatibility Chart

		A X Y G E N <sup>®</sup>																					
Workstation Brand	Workstation Model	CTF-199	EV-50; EVF-50	EV-100; EVF-100	EV-200; EVF-180	EVF-205-WB	FDSS-384	FDSS-1536	FX-10	FX-20; FXF-20	FX-50; FXF-50	FX-250; FXF-180; FXF-200	FX-255-WB; FXF-165-WB; FXF-205-WB	FX-384; FXF-384	FX-384-XL; FXF-384-XL	FX-384-30FP; FXF-384-30FP	FX-384-45FP-R; FX-384-45FP	FX-1536-30FP	HTF-10; HTF-10	HTF-50; HTF-50	HTF-300; HTF-300	HTF-1000; HTF-1000	
Aurora Biomed	VERSA™																						
Agilent/Velocity11	Bravo																						
	VPrep®																						
Beckman Coulter	Biomek <sup>®</sup> 1,000																						
	Biomek 2000																						
	Biomek 3000									•	•	•	•	•									
	Biomek 4000									•	•	•	•	•									
	Biomek FX-96/NX-96									•	•	•	•	•									
	Biomek FX-384/NX-384														•	•	•	•	•				
	Multimek™ AP-96									•	•	•	•	•									
	Multimek AP-384														•	•	•	•	•				
	Multimek CCS-head																						
Multimek Type II																							
BioTek	Precision™		•	•	•	•																	
	Precision XS		•	•	•	•																	
Corbett	CAS-1200																						
	CAS-4200, CAS-4800	•																					
Dynamic Devices	Oasis LM		•	•	•	•								•	•	•	•						
Hamamatsu	6000						•																
	7000							•															
Hamilton	Nimbus®														•	•	•	•		•	•	•	•
	Microlab® STAR™														•	•	•	•		•	•	•	•
	Microlab STARlet														•	•	•	•		•	•	•	•
	Microlab STARplus														•	•	•	•		•	•	•	•
Molecular Devices	FLIPR® Liberty 384																						
	FLIPR Tetra																						
PerkinElmer	Evolution™ P3																						
	Janus®																						
	Minitrak																						
	Multiprobe II ET (hanging wafer)																						
	Multiprobe II HT																						
	Platetrak™																						
	ZyMark® RapidPlate®		•	•	•	•																	
	Sciclone®		•	•	•	•																	
Zephyr®		•	•	•	•																		
ProGroup/Wellpro	3000-96														•	•	•	•					
	3000-384														•	•	•	•					
Qiagen	BioRobot®																						
Tecan	Aquarius		•	•	•	•																	
	Freedom EVO®		•	•	•	•																	
	Genesis Freedom®																						
	Miniprep with LiHa																						
	Te-Mo		•	•	•	•																	

AUTOMATION TIPS												
LT-384; FT-384												
OTF-50												
OT-100; OTF-100												
OTF-200; OTF-180												
OTF-205-WB												
QT-300												
QT-1100												
RRF-10; RRP-20												
RRP-50; RRF-25												
RRP-200; RRF-175												
PK-20; PKF-20												
PK-50; PKF-50												
PK-200; PKF-180												
PK-384; PKF-384												
TT-20; TTF-20												
TT-50; TTF-50												
TT-200												
TT-1000; TTF-1000												
TWP-200; TWPF-120												
VT-20; VTF-20												
VT-50; VTF-30												
VT-250; VTF-165; VTF-165-WB												
VT-384-5												
VT-384-10												
VT-384-31; VTF-384-15												
VT-384-31												
VT-384-50												
VT-384-70												
ZT-50; ZTF-50												
ZT-100; ZTF-100												
ZT-200; ZTF-200												
ZT-384												





## PCR Consumables

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# PCR Consumables

## Corning's Extensive Line of Axygen® PCR Products

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.

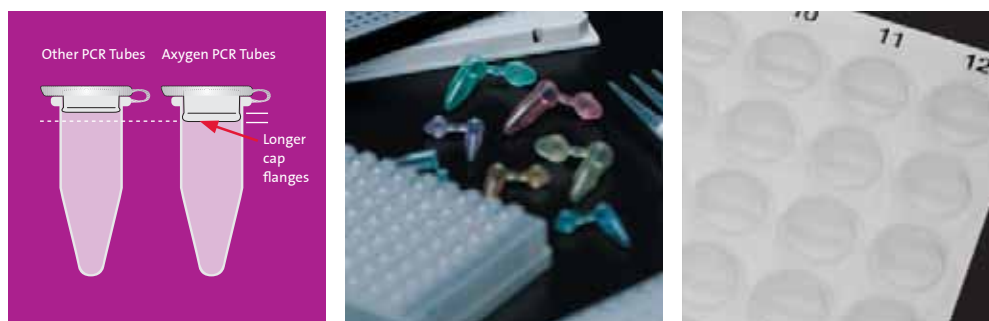
Axygen PCR products offer ultra-thin and consistent wall thickness which allows for precise thermal transfer along the entire surface of the tube. The unique cap design ensures a perfect fit to reduce sample evaporation during thermal cycling. Our tubes and microplates are manufactured using high-end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

### Features

- ▶ 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 on pages 48-53).
- ▶ 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 available on skirted microplates
- ▶ Available with Axygen Maximum Recovery® surface by special order







### Axygen® PCR Tubes

PCR tubes require a thin and consistent wall thickness to reduce the insulating effect of the tube. Axxygen 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. Axxygen PCR tubes are sealed with a full-length, even, insertion cap which ensures a tight fit and reduces sample evaporation.

### Extensive Array of Plate Sealing Options Suitable for Any Preference or Application

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

Compression and expansion AxyMats are ideal for sealing microplates during thermal cycling. Thicker than PCR AxyMats, these form an optimal seal between the cycler's heated lid and the wells, minimizing 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 are designed for high throughput screening applications, but is also popular for long-term storage, transport, and PCR.



Bar coding is available on skirted microplates.



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



### Axygen® Automation-compatible PCR Microplate

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.
- ▶ This microplate is compatible with major automated thermal cyclers, liquid handlers, and sequencers:
  - Applied Biosystems 7000, 7300, 7500, 7700, 7900HT, ProFlex™, StepOne™, StepOnePlus™, ViiA™ 7, QuantStudio™ 12K Flex, Veriti®, 9600, 9700, 2720, sequencers: 3100, 3130, 3700, 3730/3730x
  - BioRad/MJ Research iCycler®, MyiQ™, iQ5™, Chromo4™, DNA Engine Opticon® 2, CFX96 Touch™, MiniOpticon™, MyCycler™, T100™, C1000 Touch™, S1000™, DNA Engine Tetrad® 2, PTC-100®, PTC-200®, PTC-225 Tetrad, DNA Engine Dyad®, Dyad Disciple™
  - Eppendorf Mastercycler® ep realplex, Mastercycler series: ep, pro, nexus, nexus eco, nexus gradient, nexus gradient eco, nexus GSX1, nexus GSX1e, nexus SX1, nexus SX1e
  - Liquid handlers: Beckman Coulter, Hamilton, Tecan, Agilent, Perkin-Elmer
- ▶ Sealing options: AxyMats, adhesive films, flat and domed cap strips

Cat. No.	Volume (µL)	Description	Packaging
PCR-96-HS-AC-C	200	96-well half skirt automation-compatible, PCR microplate, clear, nonsterile	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 for 0.2 mL Thermal Cycler Blocks

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



#### No Skirt, Flat Top, Low Profile

- ▶ Clear, thin wall well bottom
- ▶ Compatibility: Standard Biometra thermal cyclers, Eppendorf MasterCycler qPCR, MJ Opticon/Chromo4 qPCR
- ▶ Sealing options: AxyMats, heat sealing, adhesive films and foils, flat and domed cap strips
- ▶ Volume to brim of well: 210 µL; working volume: 180 µL; volume with AxyMat: 100 µL
- ▶ Maximum G-force: 4,000 RCF

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



### No Skirt, Elevated Wells



- ▶ Clear, thin wall well bottom
- ▶ Compatibility: Standard thermal cycling, no skirt Stratagene MX4000, elevated wells Megabace sequencer
- ▶ Sealing options: AxyMats, heat sealing, adhesive films and foils, flat and domed cap strips
- ▶ Volume to brim of well: 350  $\mu$ L; working volume: 300  $\mu$ L; volume with AxyMat: 240  $\mu$ L
- ▶ Maximum G-force: 4,000 RCF

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

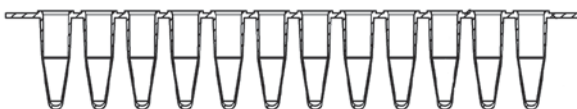


### No Skirt, Flat Top



- ▶ Clear, thin wall well bottom
- ▶ Compatibility: Standard thermal cycling, BioRad qPCR systems, Stratagene MX-3000
- ▶ Sealing options: AxyMats, heat sealing, adhesive films and foils, flat and domed cap strips
- ▶ Volume to brim of well: 330  $\mu$ L; working volume: 300  $\mu$ L; volume with AxyMat: 270  $\mu$ L
- ▶ Maximum G-force: 4,000 RCF

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

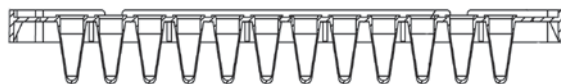


### Half Skirt, Low Profile



- ▶ Optimized for Fast PCR
- ▶ Reduced volume minimizes potential evaporation
- ▶ Compatibility: ABI Fast PCR 7500, 7900 Fast, 9800, Veriti, and StepOne
- ▶ Sealing options: AxyMats, heat sealing, adhesive films and foils, flat and domed cap strips
- ▶ Volume to brim of well: 240  $\mu$ L; working volume: 200  $\mu$ L; volume with AxyMat: 140  $\mu$ L
- ▶ Maximum G-force: 4,000 RCF

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



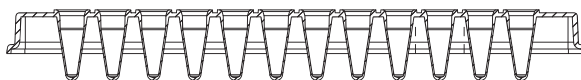
## 96-well PCR Microplates and Sealing Mats for 0.2 mL Thermal Cycler Blocks (Continued)

### Half Skirt



- ▶ Cut-away notches for perfect plate positioning
- ▶ Consistently thin walls for reduced cycle times and reproducible results
- ▶ Optional bar coding
- ▶ Compatibility: Roche 480 LightCycler®
- ▶ Sealing option: Adhesive films
- ▶ Volume to brim of well: 210 µL; working volume: 190 µL; volume with UC-500: 120 µL
- ▶ Maximum G-force: 4,000 RCF

Cat. No.	Volume (µL)	Color	Description	Packaging
PCR-96-LC480-C-NF	100	Clear	96-well PCR microplate, clear, no sealing film	10/pk, 5 pk/cs
PCR-96-LC480-W	100	White	96-well PCR microplate, white, with sealing film	10/pk, 5 pk/cs
PCR-96-LC480-W-BC	100	White	96-well PCR microplate, white, bar coded, with sealing film	10/pk, 5 pk/cs
PCR-96-LC480-W-NF	100	White	96-well PCR microplate, white, no sealing film	10/pk, 5 pk/cs
UC-500	–	–	UltraClear film, pressure sensitive	100/pk, 5 pk/cs

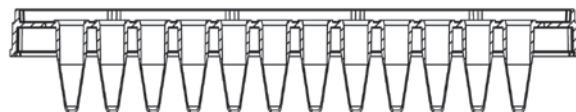


### Half Skirt, Elevated Frame



- ▶ Single notch corner
- ▶ Compatibility: ABI Real Time PCR 7300, 7500, 7900
- ▶ Sealing Options: AxyMats, heat sealing, adhesive films and foils, flat and domed cap strips
- ▶ Volume to brim of well: 335 µL; working volume: 300 µL; volume with AxyMat: 260 µL
- ▶ Maximum G-force: 4,000 RCF

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

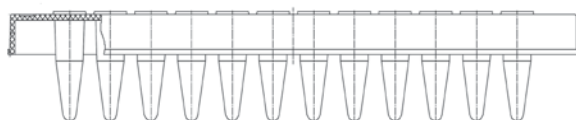


### Half Skirt



- ▶ Clear, thin wall well bottom
- ▶ Compatibility: Standard thermal sequence cyclers, ABI PCR 2700, 2720, 9700, 9800, 7300, 7500, 7900, and ABI sequencing units
- ▶ Volume to brim of well: 340  $\mu$ L, working volume: 300  $\mu$ L, volume with AxyMat: 230  $\mu$ L
- ▶ Sealing options: AxyMats, heat sealing, adhesive films and foils, flat and domed cap strips
- ▶ Maximum G-force = 4,000 RCF

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

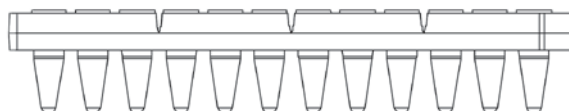


### Half Skirt, Segmented



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

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

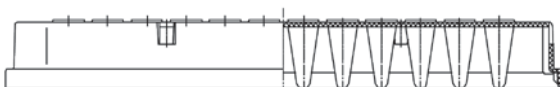


### Full Skirt



- ▶ Single notch corner
- ▶ Clear, thin wall well bottom
- ▶ Stackable, automation-compatible design
- ▶ Compatibility: Standard thermal sequence cyclers, Automation friendly
- ▶ Volume to brim of well: 220  $\mu$ L, working volume: 190  $\mu$ L, volume with AxyMat: 120  $\mu$ L
- ▶ Sealing options: AxyMats, heat sealing, adhesive films and foils, flat and domed cap strips
- ▶ Maximum G-force = 4,000 RCF

Cat. No.	Volume ( $\mu$ L)	Color	Description	Packaging
PCR-96-FS-C	200	Clear	96-well, full skirt	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 for 0.2 mL Thermal Cycler Blocks

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



#### Skirted

- ▶ Cut-away notches for perfect plate positioning
- ▶ Consistently thin walls for reduced cycle times and reproducible results
- ▶ Optional bar coding
- ▶ Compatibility: Roche 480 LightCycler®
- ▶ Volume to brim of well: 50 µL, working volume: 45 µL, volume with AxyMat: 35 µL
- ▶ Sealing options: Adhesive films and foils
- ▶ Maximum G-force = 4,000 RCF

Cat. No.	Volume	Color	Description	Packaging
PCR-384-LC480-W	20	White	384-well PCR microplate, with sealing film	10/pk, 5 pk/cs
PCR-384-LC480-W-NF	20	White	384-well PCR microplate, no sealing film	10/pk, 5 pk/cs
PCR-384-LC480-W-NF-BC	20	White	384-well PCR microplate, bar coded, no sealing film	10/pk, 5 pk/cs
UC-500	–	–	UltraClear film, pressure sensitive	100/pk, 5 pk/cs



#### Skirted



- ▶ Notches on A24 and P24 side
- ▶ Automation-compatible design
- ▶ Application/Compatibility: Standard thermal cycling
- ▶ Volume to brim of well: 50 µL, working volume: 45 µL, volume with AxyMat: 35 µL
- ▶ Sealing options: AxyMats, heat sealing, adhesive films and foils
- ▶ Maximum G-force = 4,000 RCF

Cat. No.	Volume (µL)	Color	Description	Packaging
PCR-384-C	50	Clear	384-well, skirted	10/pk, 5 pk/cs
AM-384-PCR-RD	–	–	384-well PCR sealing mat	10/pk, 5 pk/cs



#### Skirted



- ▶ Notch on A24 side
- ▶ Automation-compatible design
- ▶ Application/compatibility: Standard thermal cycling, fully ABI compatible for qPCR and sequencing
- ▶ Volume to brim of well: 50 µL, working volume: 45 µL, volume with AxyMat: 35 µL
- ▶ Sealing options: AxyMats, heat sealing, adhesive films and foils
- ▶ Maximum G-force = 4,000 RCF

Cat. No.	Volume (µL)	Color	Description	Packaging
PCR-384M2-C	55	Clear	384-well, skirted	10/pk, 5 pk/cs
AM-384-PCR-RD	–	–	384-well PCR sealing mat	10/pk, 5 pk/cs



**Skirted, Rigid**

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



Cat. No.	Volume ( $\mu\text{L}$ )	Color	Description	Packaging
PCR-384-RGD-C	50	Clear	384-well skirted	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  $\mu\text{L}$ , working volume: 300  $\mu\text{L}$ , volume with AxyMat: 240  $\mu\text{L}$

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

**Capillary Sequencing Products**

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

#### 0.2 mL, Flat Cap



Standard Surface Cat. No.	Maxymum Recovery® Surface Cat. No.	Max. Volume (mL)	Color	Description	Packaging
PCR-02-C	PCR-02-L-C	0.2	Clear	Thin wall, flat cap	1,000/pk, 10 pk/cs
PCR-02-A	–	0.2	Assorted	Thin wall, flat cap	1,000/pk, 10 pk/cs

For color availability, contact Customer Service.



#### 0.2 mL, Domed Cap

PCR-02D-C	PCR-02D-L-C	0.2	Clear	Thin wall, domed cap	1,000/pk, 10 pk/cs
PCR-02D-A	–	0.2	Assorted	Thin wall, domed cap	1,000/pk, 10 pk/cs

For color availability, contact Customer Service.



#### 0.2 mL, Without Cap

PCR-02-NC		0.2	Clear	Thin wall, without cap	1,000/pk, 10 pk/cs
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#### 0.5 mL, Flat Cap

PCR-05-C	PCR-05-L-C	0.5	Clear	Thin wall, flat cap	1,000/pk, 10 pk/cs
PCR-05-A	–	0.5	Assorted	Thin wall, flat cap	1,000/pk, 10 pk/cs

For color availability, contact Customer Service.



#### 0.2 mL PCR Tube Storage Rack







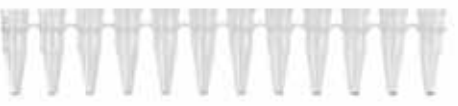



Standard Surface Cat. No.	Color	Description	Packaging
R-96-PCR-FY	Fluorescent yellow	PCR storage rack for 0.2 mL tubes	5/pk, 5 pk/cs



## 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 Microplates Compatibility Chart

PCR CONSUMABLES

		S T A N D A R D P C R																					
		Axygen®	Applied Biosystems®					Eppendorf®															
Corning Cat. No.		MaxyGene II	2720	9600	9700	9800 Fast	Veriti®/Fast	Mastercycler®	Mastercycler ep	Mastercycler M384	Mastercycler nexus	Mastercycler nexus eco	Mastercycler nexus flat	Mastercycler nexus flat eco	Mastercycler nexus gradient	Mastercycler nexus gradient eco	Mastercycler nexus GSX1	Mastercycler nexus GSX1e	Mastercycler nexus SX1	Mastercycler nexus SX1e	Mastercycler pro 384	Mastercycler pro/S	
PCR Microplate	PCR-96-FLT-C	■	■	■	■		■	■			■	■			■	■	■	■	■	■		■	
	PCR-96-LP-FLT-C	■				■	■*																
	PCR-96-C		■	■	■		■	■			■	■			■	■	■	■	■	■		■	
	PCR-96-MB-C																						
	PCR-96-SG-C		■	■	■		■																
	PCR-96M2-HS-C	■	■	■	■		■	■			■	■			■	■	■	■	■	■	■		■
	PCR-96-HS-AC-C	■	■	■	■		■	■			■	■			■	■	■	■	■	■	■		■
	PCR-96-HS-C	■	■	■	■		■	■			■	■			■	■	■	■	■	■	■		■
	PCR-96-AB-C		■	■	■		■																
	PCR-96-LP-AB-C					■	■*																
	PCR-96-FS-C	■						■	■		■	■			■	■	■	■	■	■	■		■
	PCR-96-LC480-W-NF																						
	PCR-384-C				■		■			■												■	■
	PCR-384M2-C				■		■			■												■	■
	PCR-384-RGD-C				■		■			■												■	■
	PCR-384-LC480-W-NF																						
PCR Strip/ Individual Tube	PCR-0208-C	■	■	■	■		■	■			■	■		■	■	■	■	■	■	■		■	
	PCR-0108-LP-C	■				■	■*																
	PCR-0108-LP-RT-C					■	■*																
	PCR-0212-C	■	■	■	■		■	■			■	■			■	■	■	■	■	■	■		■
	PCR-02-C	■	■	■	■		■	■			■	■	■	■	■	■	■	■	■	■	■		■

\* Compatible with ABI® Fast PCR only.

THERMAL CYCLERS

BioRad®/MJ Research®									Agilent®	Analytik Jena/Biometra									
C1,000™ Touch™	DNA Engine Dyad®/Dyad Disciple™	Engine Tetrad® 2	MyCycler™	PTC-100®	PTC-200	PTC-225 Tetrad	S1,000™	T100™	SureCycler® 8800	FlexCycler	T1 Thermal Cycler	TGradient	TPersonal	TProfessional/Basic	TProfessional/Standard	TProfessional/TRIO	TRobot	Uno	Uno II
■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
									■	■	■	■	■	■	■	■	■	■	■
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■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

PCR Microplates Compatibility Chart (Continued)

PCR CONSUMABLES

		STANDARD PCR																		
		Techne®												Corbett® Life Science		Ericom				
Corning Cat. No.		3Prime	3PrimeG	3PrimeX	Cyclogene™	Flexigene™	Genius	Genius Quad	Genius (TC412)	Prime	Prime Elite	Prime Elite Satellite	PrimeG	Touchgene® Gradient (TC512)	Touchgene® X	Palm-Cycler™ 384	Palm-Cycler™ 96	Deltacycler I	Single Block	Twin Block
PCR Microplate	PCR-96-FLT-C				■	■	■	■	■	■	■	■	■	■	■		■	■	■	■
	PCR-96-LP-FLT-C								■						■	■		■	■	■
	PCR-96-C								■						■	■		■	■	■
	PCR-96-MB-C																			
	PCR-96-SG-C								■						■	■		■		
	PCR-96M2-HS-C				■	■	■	■	■	■	■	■	■	■	■	■		■	■	■
	PCR-96-HS-AC-C				■	■	■	■	■	■	■	■	■	■	■	■		■	■	■
	PCR-96-HS-C				■	■	■	■	■	■	■	■	■	■	■	■		■	■	■
	PCR-96-AB-C																			
	PCR-96-LP-AB-C																			
	PCR-96-F5-C				■	■	■	■	■	■	■	■	■	■	■	■		■		
	PCR-96-LC480-W-NF																			
	PCR-384-C						■	■		■	■	■	■	■	■	■	■			
	PCR-384M2-C						■	■		■	■	■	■	■	■	■	■			
	PCR-384-RGD-C						■	■		■	■	■	■	■	■	■	■			
PCR-384-LC480-W-NF																				
PCR Strip/ Individual Tube	PCR-0208-C	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■
	PCR-0108-LP-C																			
	PCR-0108-LP-RT-C																			
	PCR-0212-C	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■
	PCR-02-C	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■

\* Compatible with ABI® Fast PCR only.

THERMAL CYCLERS

Qiagen®	MWC®		PiqLab®		SensoQuest		Stratagene	TaKaRa®		Thermo Hybaid							
FlexiGene®	Primus 384	Primus 96	peqSTAR 384	peqSTAR 96	Thermocycler 384	Thermocycler96	Robocycler	TP240	TP3000	Multiblock System	Omn-E	Omnigene	PCR Express	PCR Sprint	PX2	PXE	Touchdown
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PCR Microplates Compatibility Chart (Continued)

		REAL-TIME PCR THERMAL																						
		Applied Biosystems®									BioRad®/MJ Research®									Eppendorf®				
Corning Cat. No.		7000	7300	7500/Fast	7700	7900HT/Fast	StepOne™	StepOnePlus™	ProFlex™ PCR System	QuantStudio™ 12K	ViiA™ 7/Fast	CFX Connect™	CFX384™ Touch™	CFX96™ Touch	Chromo4™	DNA Engine Opticon® 2	iCycler	iQ™5	MiniOpticon™	MyiQ™	Opticon	Opticon 2	Mastercycler® ep realplex	
PCR Microplate	PCR-96-FLT-C	■	■	■	■	■			■	■	■	■		■	■	■	■	■	■	■			■	
	PCR-96-LP-FLT-C			■*		■*	■	■			■*	■		■								■	■	
	PCR-96-C											■		■	■	■	■	■	■	■	■		■	
	PCR-96-MB-C																							
	PCR-96-SG-C											■		■	■	■	■	■	■	■			■	
	PCR-96M2-HS-C	■	■	■	■	■			■	■	■	■		■	■	■	■	■	■	■	■			■
	PCR-96-HS-AC-C	■	■	■	■	■			■	■	■	■		■	■	■	■	■	■	■	■			■
	PCR-96-HS-C	■	■	■	■	■			■	■	■	■		■	■	■	■	■	■	■	■			■
	PCR-96-AB-C	■	■	■	■	■			■	■	■													
	PCR-96-LP-AB-C			■*		■*	■	■			■*													
	PCR-96-F5-C											■		■	■	■	■	■	■	■	■	■	■	■
	PCR-96-LC480-W-NF																							
	PCR-384-C												■											
	PCR-384M2-C					■		■			■		■											
	PCR-384-RGD-C												■											
	PCR-384-LC480-W-NF																							
PCR Strip/ Individual Tube	PCR-0208-C	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■			■	
	PCR-0108-LP-C			■*		■*					■*	■		■								■	■	
	PCR-0108-LP-RT-C			■*		■*					■*	■		■								■	■	
	PCR-0212-C	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■			■
	PCR-02-C	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■			■

\* Compatible with ABI® Fast PCR only.

PCR CONSUMABLES

CYCLERS											SEQUENCERS											
Roche	Analytik Jena/ Biometra			PeqLab®	Stratagene				Techne®		Qiagen®	Applied Biosystems®				Amersham®/GE®			Beckman Coulter®	BioRad®/MJ Research®	Transgenomic	
Lightcycler® 480	qTOWER	SpeedCycler²	TOptical	peqSTAR 96Q	MX3000®	MX3000P®	MX3005P®	MX4000®	PrimeQ	Quantica®	Rotor-Gene® Q	3100	3130	3700	3730/3730x	MegaBACE® 500	MegaBACE 1.000	MegaBACE 4000	CEQ™	BaseStation™	WAVE® System	
	■	■	■	■	■	■	■	■	■	■		■	■	■	■							
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	■	■	■	■	■	■	■	■	■	■	■											

PCR CONSUMABLES







## Storage

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# Storage



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

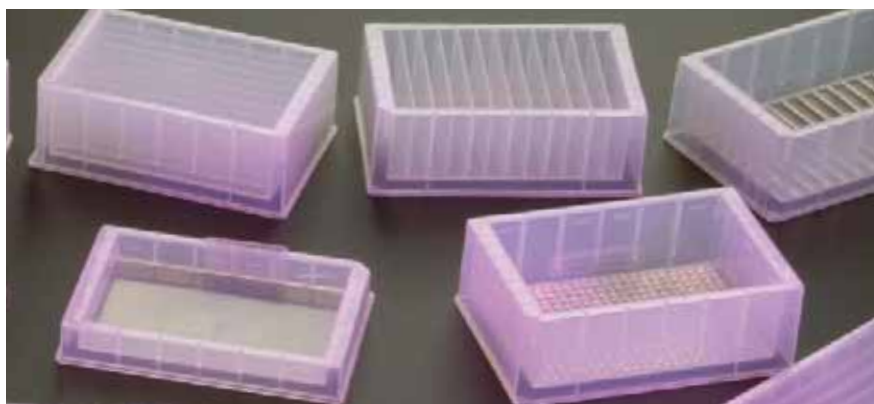
Automation has greatly streamlined many standard lab tasks, including liquid handling and sample manipulation. However, these same methods have also increased the need for precisely engineered and consistently manufactured lab consumables. Count on Corning to be at the forefront of new product R&D and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



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

## Deep Well and Assay Plates

Axygen® assay and deep well plates are used for sample collection, *in vitro* growth chamber, and long-term storage. Made of polypropylene. 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 (mL)	Working Volume (mL)	Volume with AxyMat (mL)	Packaging
P-DW-10ML-24-C	10 mL, 24-well deep well plate, square wells	11	10	–	5/pk, 5 pk/cs
P-DW-10ML-24-C-S	10 mL, 24-well deep well plate, square wells, sterile	11	10	–	5/pk, 5 pk/cs
AM-24-SQ	Pierceable sealing mat for 24-well deep well plates, square wells	–	–	9	10/pk, 5 pk/cs

### 48-well Plates

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

### 96-well Microplates

P-1ML-SQ-C	1.1 mL, 96 square well deep well microplate	1.6	1.4	–	5/pk, 10 pk/cs
P-1ML-SQ-C-S	1.1 mL, 96 square well deep well microplate, sterile	1.6	1.4	–	5/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	10/pk, 5 pk/cs
P-2ML-SQ-C	2.2 mL, 96-well deep well microplate, square wells	2.3	2.2	–	5/pk, 5 pk/cs
P-2ML-SQ-C-S	2.2 mL, 96-well deep well microplate, square wells, sterile	2.3	2.2	–	5/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	10/pk, 5 pk/cs
AM-2ML-SQ-IMP	Chemically resistant sealing mat for 2.2 mL 96-well deep well microplates, square wells	–	–	1.9	10/pk, 5 pk/cs

## 96-well Microplates (continued)

Cat. No.	Description	Volume to Brim of Well	Working Volume	Volume with AxyMat	Packaging
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
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
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
AM-2ML-RD	Pierceable sealing mat for 96-well assay microplate, round wells	–	–	1.1 mL	5/pk, 10 pk/cs
AM-2ML-RD-IMP	Chemically resistant sealing mat for 96-well assay microplates, round wells	–	–	1.1 mL	10/pk, 5 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 $\mu$ L	560 $\mu$ L	–	5/pk, 10 pk/cs
P-DW-500-C-S	0.6 mL to 600 $\mu$ L, 96-well deep well microplate, sterile	610 $\mu$ L	560 $\mu$ L	–	5/pk, 10 pk/cs
AM-500UL-RD	Sealing mat for 600 $\mu$ L 96-well deep well microplates	–	–	450 $\mu$ L	10/pk, 5 pk/cs

**96-well Microplates (continued)**

Cat. No.	Description	Volume to Brim of Well	Working Volume	Volume with AxyMat	Packaging
P-96-450R-C	550 $\mu$ L, 96-well assay round bottom microplate	550 $\mu$ L	450 $\mu$ L	–	10/pk, 5 pk/cs
P-96-450R-C-S	550 $\mu$ L, 96-well assay round bottom microplate, sterile	550 $\mu$ L	450 $\mu$ L	–	10/pk, 5 pk/cs
AM-2ML-RD	Pierceable sealing mat for 96-well assay microplates, round wells	–	–	350 $\mu$ L	10/pk, 5 pk/cs
AM-2ML-RD-IMP	Chemically resistant sealing mat for 96-well assay microplates, round wells	–	–	350 $\mu$ L	10/pk, 5 pk/cs

P-96-450V-C	500 $\mu$ L, 96-well assay V-bottom microplate	500 $\mu$ L	450 $\mu$ L	–	10/pk, 5 pk/cs
P-96-450V-C-S	500 $\mu$ L, 96-well assay V-bottom microplate, sterile	500 $\mu$ L	450 $\mu$ L	–	10/pk, 5 pk/cs
AM-2ML-RD	Pierceable sealing mat for 96-well assay microplates, round wells	–	–	350 $\mu$ L	10/pk, 5 pk/cs
AM-2ML-RD-IMP	Chemically resistant sealing mat for 96-well assay microplates, round wells	–	–	350 $\mu$ L	10/pk, 5 pk/cs

**384-well Microplates**

P-384-120SQ-C	120 $\mu$ L, 384-well deep well microplate	135 $\mu$ L	125 $\mu$ L	–	5/pk, 10 pk/cs
P-384-120SQ-C-S	120 $\mu$ L, 384-well deep well microplate, sterile	135 $\mu$ L	125 $\mu$ L	–	5/pk, 10 pk/cs
AM-384-DW-SQ	Pierceable sealing mat for 384-well microplates, square wells	–	–	90 $\mu$ L	10/pk, 5 pk/cs
AM-384-SQ-IMP	Chemically resistant sealing mat for 384-well microplates, square wells	–	–	90 $\mu$ L	10/pk, 5 pk/cs

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

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

Axygen® Mini Tube Systems are available in 0.65 mL single mini tube 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	Tube Volume (mL)	Pack Type	Packaging
MTS-11-C	Mini tube, single	1.1	Bulk	960/bag, 5 bags/cs
MTS-11-C-R	Mini tube, single	1.1	Racked	96/rack, 10 racks/pk, 5 pk/cs
MTS-11-C-R-S	Mini tube, single, sterile	1.1	Racked	96/rack, 10 racks/pk, 5 pk/cs
MTS-11-8-C	Mini tube, 8-strip	1.1	Bulk	120/bag, 5 bags/cs
MTS-11-8-C-R	Mini tube, 8-strip	1.1	Racked	12/rack, 10 racks/pk, 5 pk/cs
MTS-11-8-C-R-S	Mini tube, 8-strip, sterile	1.1	Racked	12/rack, 10 racks/pk, 5 pk/cs
MTS-11-12-C	Mini tube, 12-strip	1.1	Bulk	80/bag, 5 bags/cs
MTS-11-12-C-R	Mini tube, 12-strip	1.1	Racked	8/rack, 10 racks/pk, 5 pk/cs
MTS-11-12-C-R-S	Mini tube, 12-strip, sterile	1.1	Racked	8/rack, 10 racks/pk, 5 pk/cs
MTS-06-C	Mini tube, single	0.65	Bulk	960/bag, 5 bags/cs
MTS-06-C-R	Mini tube, single	0.65	Racked	96/rack, 10 racks/pk, 5 pk/cs
MTS-06-C-R-S	Mini tube, single, sterile	0.65	Racked	96/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 strip	–	Bulk	80/pk, 5 pk/cs
MTS-12CP-C-S	Mini tube, 12-cap strip, sterile	–	Bulk	80/pk, 5 pk/cs



## Reagent Reservoirs

Corning offers a complete line of Axygen® single-well and multiple-well reagent reservoirs which are available in multiple formats for automated and manual use. All reservoirs are designed to comply with standard ANSI/SLAS footprint dimensions for microplates and are compatible with most automation workstations. Reagent reservoirs are manufactured with polypropylene for excellent chemical resistance.

- ▶ Durable and cost effective
- ▶ Various formats for multiple applications

### Single Well, 96-well Reservoirs

Cat. No.	Description	Volume (mL)	Color	Packaging
RES-SW96-LP	96 bottom troughs, low profile	86	Clear	25/cs
RES-SW96-HP	96 bottom troughs, high profile	240	Clear	25/cs

### Single Well, 384-well Reservoirs

Cat. No.	Description	Volume (mL)	Color	Packaging
RES-SW384-LP	384 bottom, low profile	92	Clear	25/cs
RES-SW384-FX	384 bottom, medium profile	170	Clear	25/cs



**Reagent Reservoirs** (Continued)**Single Well, Low and High Profile Reservoirs**

Cat. No.	Description	Volume (mL)	Maximum Volume/Well	Color	Packaging
RES-SW1-LP	1 flat bottom, low profile	90	–	Clear	25/cs
RES-SW8-HP	8-channel troughs, high profile	290	–	Clear	25/cs
RES-SW8-HP-S	8-channel troughs, high profile, sterile	290	–	Clear	25/cs
RES-SW12-HP	12-channel troughs, high profile	290	–	Clear	25/cs

**Multiple Well, Low and High Profile Reservoirs**

Cat. No.	Description	Volume (mL)	Maximum Volume/Well (mL)	Color	Packaging
RES-MW4-HP	4-channel troughs, high profile	280	70 mL	Clear	25/cs
RES-MW8-LP	8-channel troughs, low profile	80	10 mL	Clear	25/cs
RES-MW8-HP	8-channel troughs, high profile	240	30 mL	Clear	25/cs
RES-MW12-LP	12-channel troughs, low profile	84	7 mL	Clear	25/cs
RES-MW12-HP	12-channel troughs, high profile	264	22 mL	Clear	25/cs





## Sealing Solutions

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# Sealing Solutions



For applications ranging from PCR and Real-time PCR to ELISA and cell culture, Axygen® 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; lids 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.
- ▶ AxyMats and ImpermaMats 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 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.

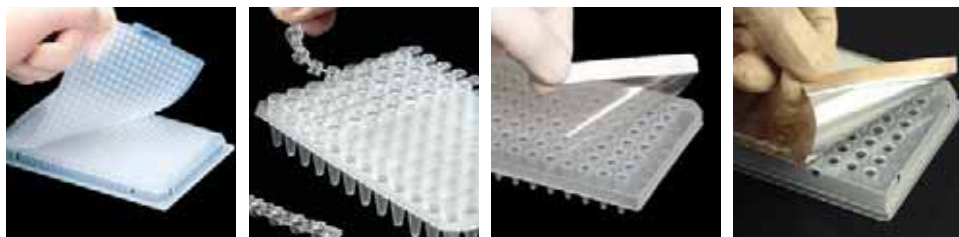
PCR Axygen AxyMats are research-grade silicone sealing mats designed for long- or short-term sample storage and PCR. They are autoclavable and reusable.

Compression and expansion AxyMats are ideal for sealing microplates during thermal cycling. Thicker than PCR AxyMats, 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 products are manufactured in a clean, controlled “state of the art” facility and are RNase-/DNase-/human gDNA-free and nonpyrogenic.

## Axygen® AxyMat Sealing Mats

Axygen AxyMat sealing mats can be used in a wide range of temperatures for PCR and storage applications. AxyMats 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.

### For PCR Microplates

Cat. No.	Description	Fits Microplate (Cat. No.)	Packaging
AM-96-PCR-RD	AxyMat sealing mat for 96-well round well PCR microplate	PCR-96-C, PCR-96-MB-C, PCR-96-LP-FLT-C, PCR-96-FLT-C, PCR-96-SG-C, PCR-96-AB-C, PCR-96-LP-AB-C, PCR-96M2-HS-C, PCR-96-FS-C	Bulk, 10/pk, 5 pk/cs
AM-384-PCR-RD	AxyMat sealing mat for 384-well round well PCR microplate	PCR-384-C, PCR-384M2-C, PCR-384-RGD-C	Bulk, 10/pk, 5 pk/cs

### For Assay and Storage Microplates

AM-24-SQ	Pierceable sealing mat for 24-well square deep well plates	P-DW-10ML-24-C	Bulk, 10/pk, 5 pk/cs
AM-48	AxyMat sealing mat for 5 mL 48-well deep well plates	P-5ML-48-C	Bulk, 10/pk, 5 pk/cs
AM-2ML-RD	Pierceable AxyMat sealing mat for 96-well round well assay microplates	P-DW-11-C, P-DW-20-C, P-96-450R-C, P-96-450V-C	Bulk, 10/pk, 5 pk/cs
AM-2ML-RD-S	Pierceable AxyMat sealing mat for 96-well round well assay microplates, sterile	P-DW-11-C, P-DW-20-C, P-96-450R-C, P-96-450V-C	Bulk, 10/pk, 5 pk/cs
AM-500UL-RD	Pierceable AxyMat sealing mat for 500 µL 96-well round deep well microplates	P-DW-500-C	Bulk, 10/pk, 5 pk/cs
AM-2ML-SQ	Pierceable AxyMat sealing mat for 96-well square well microplates	P-2ML-SQ-C	Bulk, 10/pk, 5 pk/cs
AM-750UL-RD	Pierceable AxyMat sealing mat for 750 µL 96-well round well microplate and ELISA plate	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	Pierceable AxyMat sealing mat for 384-well square well microplates	P-384-120SQ-C, P-384-240SQ-C	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 Axygen 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

Cat. No.	Description	Fits Microplate (Cat. No.)	Packaging
AM-2ML-RD-IMP	ImpermaMat chemically resistant sealing mat for 1.1 mL and 2.0 mL 96-well round well assay microplates	P-DW-11-C, P-DW-20-C, P-96-450R-C, P-96-450V-C	Bulk, 10/pk, 5 pk/cs
AM-2ML-SQ-IMP	ImpermaMat chemically resistant 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	ImpermaMat chemically resistant 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	ImpermaMat chemically resistant sealing mat for 384-well square well microplates	P-384-120SQ-C, P-384-240SQ-C	Bulk, 10/pk, 5 pk/cs



## Axygen® 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-well microplates, 384-well microplates, and other assay microplates

Cat. No.	Description	Thickness (µm)	Dimensions (mm)	Min. Working Temp.	Max. Working Temp.	Application	Packaging
BF-400	Rayon	140	153 x 82.3	-20°C	80°C	Tissue culture	Bulk, 100/pk, 10 pk/cs
BF-400-S	Rayon, sterile	140	153 x 82.3	-20°C	80°C	Tissue culture	Bulk, 25/bag, 2 bags/pk, 10 pk/cs



### UltraClear, pressure-sensitive

- ▶ Seals 96-well 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

Cat. No.	Description	Thickness (µm)	Dimensions (mm)	Min. Working Temp.	Max. Working Temp.	Application	Packaging
UC-500	Polyolefin	97	141.5 x 77.7	-70°C	100°C	Real-time PCR	Bulk, 100/pk, 5 pk/cs



### Aluminum

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

Cat. No.	Description	Thickness (µm)	Dimensions (mm)	Min. Working Temp.	Max. Working Temp.	Application	Packaging
PCR-AS-200	Aluminum, pierceable	64	146 x 79.2	-80°C	104°C	PCR/Storage and light-sensitive	Bulk, 100/pk, 5 pk/cs
PCR-AS-600	Aluminum	102	133.3 x 79.2	-80°C	104°C	PCR/Storage and light-sensitive	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

Cat. No.	Description	Thickness (µm)	Dimensions (mm)	Min. Working Temp.	Max. Working Temp.	Application	Packaging
PCR-TS	Polyester	99	135.5 x 80	-40°C	102°C	PCR/Storage	Bulk, 100/pk, 5 pk/cs

### 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.	Description	Thickness (µm)	Dimensions (mm)	Min. Working Temp.	Max. Working Temp.	Application	Packaging
PCR-SP	Polyester	74	146 x 79.6	-40°C	104°C	ELISA	Bulk, 100/pk, 5 pk/cs
PCR-SP-S	Polyester, sterile	74	146 x 79.6	-40°C	104°C	ELISA	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.

Cat. No.	Material	Thickness (µm)	Dimensions (mm)	Min. Working Temp.	Max. Working Temp.	Application	Packaging
<b>Paper-backed</b>							
MF-300	Litto/ethylene/vinyl	85	127.2 x 79.5	-80°C	104°C	Storage	Bulk, 100/pk
<b>UltraClear, Permanent</b>							
HS-100-QPCR	Polyester	52	125 x 78	-80°C	110°C	qPCR, fluorescence, colorimetric measurements	Bulk, 100/pk, 5 pk/cs
<b>UltraClear, Peelable</b>							
HS-150-QPCR	Polyester	100.5	125 x 78	-80°C	80°C*	qPCR, fluorescence, colorimetric measurements	Bulk, 100/pk, 5 pk/cs
<b>Peelable</b>							
HS-200	Polyester/aluminum	70	125 x 78	-80°C	90°C*	Compound, storage, PCR	Bulk, 100/pk, 5 pk/cs
HS-400	Polyester/aluminum	70	125 x 78	-80°C	40°C	Compound storage	Bulk, 100/pk, 5 pk/cs
HS-300	Aluminum	20	125 x 78	-80°C	120°C	Storage	Bulk, 100/pk, 5 pk/cs

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



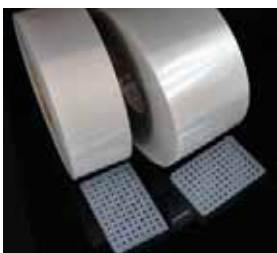
## Axygen® PlateMax® Heat Sealing Films, Rolls

Axygen PlateMax microplate heat sealing films 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



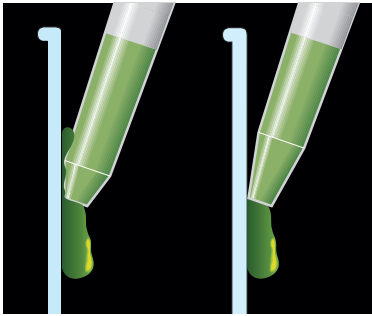




## Pipet Tips

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# Pipet Tips



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

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.

## Features

- ▶ 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 and nonpyrogenic
- ▶ Sterile and nonsterile packaging are available.
- ▶ Axygen Maximum Recovery® surface allows maximum retrieval of precious samples.

## Axygen Beveled Pipet Tips

The angle on Axygen 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, Axygen beveled tips dispense samples more accurately.

## 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.



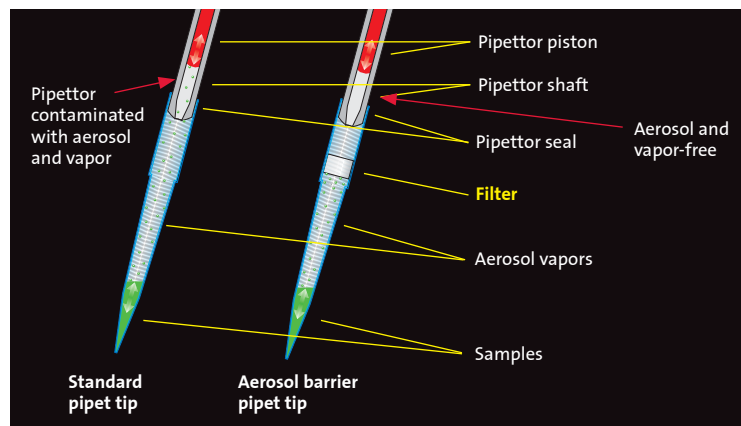
### Stack Racks

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

## 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.

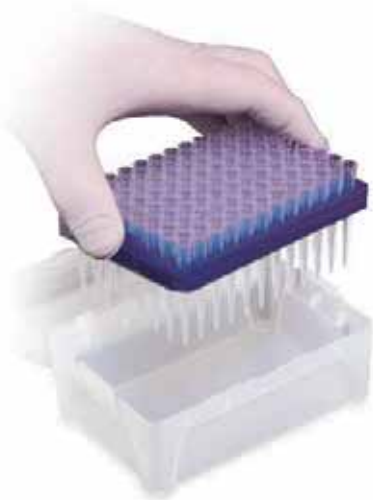


Aerosol barrier tips offer the ultimate in protection against contamination. Their use is particularly appropriate in mission critical applications such as PCR, DNA sequencing, and other techniques involving the use of vaporous, radioactive, biohazardous, or corrosive materials.

### 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.
- ▶ Color-coded insert allows easy tip identification.
- ▶ RNase-/DNase-free
- ▶ Nonpyrogenic



Standard Surface Cat. No.	Tip Refill System	Volume (µL)	Tip Rack	Packaging
RFL-300-C	P2/P10 Gilson-style	10	A	2 stacks of 5 x 96 tips/pk, 5 pk/cs
RFL-222-C	Universal tip, graduated	200	B	2 stacks of 5 x 96 tips/pk, 5 pk/cs
RFL-R*	Empty racks/lids	–	B	10 racks/pk, 5 pk/cs
RFL-1200-C	Universal tip, graduated	1,200	C	96 tips/rack, 8 racks/pk, 6 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 1,200 µL refill inserts.

#### Tip Racks



### Microvolume Tips

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

► See tip compatibility tables, pages 83-88.

#### 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



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



Close up of tip end

#### 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



#### Tip Racks



## 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.

- ▶ RNase-/DNase-free
- ▶ Nonpyrogenic
- ▶ Human gDNA- and PCR-inhibition-free
- ▶ Available with Axygen Maxymum Recovery® surface
- ▶ See tip compatibility tables, pages 83-88.

### 200 µL, Beveled



Graduation marks at 10, 50, and 100 µL



Graduation marks at 10, 50, and 100 µL



Graduation marks at 10, 50, and 100 µL



Orifice size: 0.062" (1.52 mm).



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

### 100 µL, Eppendorf-compatible

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

### 200 µL, Beveled, Reference-compatible

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

### 200 µL, Wide Bore\*

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

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

### Tip Rack



Universal Fit Tips (Continued)

300 µL, Fine Point



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

1,000 µL, Beveled



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

1,000 µL, Beveled



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

1,000 µL, Wide Bore



Orifice size = 0.065" (1.6 mm)

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

1,250 µL, Beveled, Matrix-style



MTX-1250-C	–	15 - 1,250	C	Bulk	500/pk, 10 pk/cs
MTX-1250-C-R	–	15 - 1,250	C	Racked	96/rack, 12 racks/pk, 3 pk/cs

Tip Racks



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.

NOT ALL PRODUCTS ARE AUTOCLAVABLE.

### Aerosol Barrier Tips

- ▶ Technologically advanced filter material allows free passage of air while blocking aerosol contamination.
- ▶ Filter membrane contains no leachable additives.
- ▶ Axxygen® Maxymum Recovery® surface improves accuracy and ensures maximum sample recovery.
- ▶ RNase-/DNase-free
- ▶ Nonpyrogenic
- ▶ Human gDNA- and PCR-inhibition-free

#### 10 µL, 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

#### 10 µL, 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

#### 10 µL, Ultra Micro

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

#### 20 µL, Ultra Micro

TF-420-R-S	TF-420-L-R-S	0.5 - 20	D	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs
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#### 20 µL, 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

#### 50 µL, Universal

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

#### 100 µL, Universal

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

#### 150 µL, Universal

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

#### 200 µL, Universal

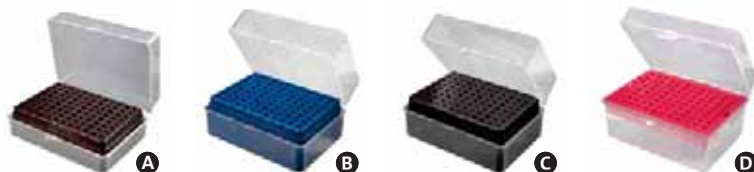
TF-200	–	1 - 200	D	Bulk	1,000/pk, 10 pk/cs
TF-200-R-S	TF-200-L-R-S	1 - 200	D	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs

#### 200 µL, Wide Bore\*

TF-205-WB-R-S	TF-205-WB-L-R-S	1 - 200	D	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs
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\*Wide bore tips are ideal for pipetting viscous materials, genomic DNA, or delicate cell cultures.

#### Tip Racks



**Aerosol Barrier Tips (Continued)**

**300 µL, universal**



Standard Surface Cat. No.	Maxyimum Recovery® Surface Cat. No.	Volume (µL)	Tip Rack	Rack Type	Packaging
TF-350	–	1 - 300	A	Bulk	1,000/pk, 10 pk/cs
TF-350-R-S	TF-350-L-R-S	1 - 300	A	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs

**1,000 µL, Universal**



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

**1,000 µL, Wide Bore**



TF-1005-WB-R-S	TF-1005-WB-L-R-S	100 - 1,000	B	Racked, sterile	100/rack, 10 racks/pk, 5 pk/cs
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**1,100 µL, Beveled**



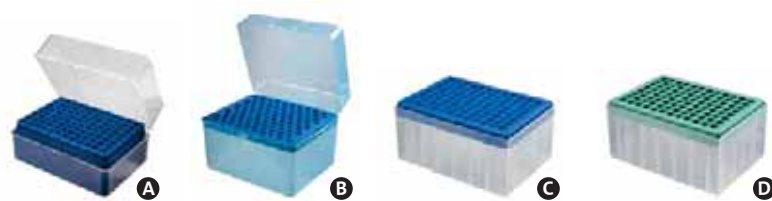
TF-1200-C-R-S	TF-1200-C-L-R-S	100 - 1,100	C	Racked, sterile	96/rack, 12 racks/pk, 3 pk/cs
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**1,250 µL, Matrix-style**



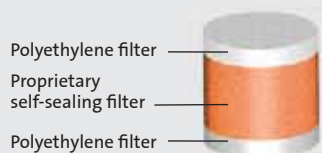
MTXF-1250-C-R-S	–	15 - 1,250	D	Racked, sterile	96/rack, 12 racks/pk, 3 pk/cs
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**Tip Racks**





**Unique GEN3  
Multi-barrier Design**



**Axygen® GEN3 Multi-barrier Tips**

- ▶ Multi-barrier self-sealing filter prevents aerosol or liquid cross-contamination
- ▶ Proprietary filter design prevents possible PCR inhibition
- ▶ Axygen Maxymum Recovery® surface technology for low sample retention and high yield
- ▶ Hinged rack for convenience and ease of use
- ▶ Sterile; no need to autoclave
- ▶ RNase-/DNase-free
- ▶ Nonpyrogenic
- ▶ Human gDNA- and PCR-inhibition-free
- ▶ Lot and item code on each rack

**Performance Comparison of Barrier Pipet Tips**

These images show a visual comparison of the Axygen GEN3 filter pipet tip compared to a conventional filter tip following the over-aspiration of a colored liquid.



Axygen GEN3 multi-barrier pipet tips seal on contact with liquids and prevent liquids or aerosols from passing through, eliminating cross-contamination.



Liquid passes through conventional filter pipet tips causing cross-contamination.



Maxymum Recovery Surface Cat. No.	Volume (µL)	Tip Rack	Pack Type	Packaging
GEN3-10-L-R-S	10	A	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs
GEN3-20-L-R-S	20	B	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs
GEN3-200-L-R-S	200	C	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs
GEN3-1000-L-R-S	1,000	D	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs

**Tip Racks**



PIPET TIPS

### Axygen® Axypet®-16 384-well Format Tips

- ▶ Fit most research grade pipettors
- ▶ See tip compatibility tables, pages 83-88.

#### 30 µL, Microvolume

Standard Surface Cat. No.	Maxymum Recovery® Surface Cat. No.	Volume (µL)	Pack Type	Packaging
T-1536-R	T-1536-L-R	0.5 - 30	Racked	384/rack, 10 racks/pk, 5 pk/cs
T-1536-R-S	T-1536-L-R-S	0.5 - 30	Racked, sterile	384/rack, 10 racks/pk, 5 pk/cs

#### 60 µL, Microvolume

–	T-384-L-R	0.5 - 60	Racked	384/rack, 10 racks/pk, 5 pk/cs
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#### Tip Rack



### Macrovolume Tips

- ▶ Fits Axxygen Axypet, Corning Lambda® Plus pipettors, and other Gilson-style pipettors

#### 5 mL, Macrovolume

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



Graduation marks at 0.5 mL and 1 mL increments

#### 10 mL, Macrovolume

- ▶ Fits most research grade pipettors

Standard Surface 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
- ▶ Nonpyrogenic
- ▶ Human gDNA- and PCR-inhibition-free

#### 10 µL, Flat

Standard 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

Standard Surface 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



### Reagent Reservoirs

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



Standard Cat. No.	Maximum Volume (mL)	Maximum Volume/Well (mL)	Packaging
RES-2CV-25	25	25	Divided, 100/cs
RES-2CV-25-S	25	25	Divided, sterile, 5/pk, 40 pk/cs
RES-2CV-25-SI	25	25	Divided, individually wrapped, sterile, 100/cs
RES-V-25	25	25	100/cs
RES-V-25-S	25	25	Sterile, 5/pk, 40 pk/cs
RES-V-25-SI	25	25	Individually wrapped, sterile, 100/cs
RES-V-50	50	50	100/cs
RES-V-50-S	50	50	Sterile, 5/pk, 40 pk/cs
RES-V-50-SI	50	50	Individually wrapped, sterile, 100/cs
RES-V-100	100	100	100/cs
RES-V-100-S	100	100	Sterile, 5/pk, 40 pk/cs
RES-V-100-SI	100	100	Individually wrapped, sterile, 100/cs



### Pipet Tip Compatibility Chart

Pipettor Brand	Axygen®													Sartorius Biohit																			
Pipettor Make	Axyjet®										Axyjet-16			Proline®																			
Channels	Single-channel						Multi-channel				16-channel			Single-channel						Multi-channel			Single-channel										
Volume Range	0.1-2 µL	0.5-10 µL	2-20 µL	5-50 µL	10-100 µL	20-200 µL	50-250 µL	100-1,000 µL	1-10 µL	5-50 µL	20-200 µL	50-300 µL	0.2-2 µL	0.5-10 µL	5-50 µL	0.1-2.5 µL	0.2-10 µL	0.5-10 µL	5-50 µL	5-100 µL	10-250 µL	10-500 µL	20-200 µL	50-1,000 µL	100-1,000 µL	0.2-10 µL	5-100 µL	25-250 µL	50-250 µL	5-100 µL	0.1-10 µL	0.2-10 µL	5-120 µL

#### Non Filter Tips

Volume/Axygen Tip

0.1-60 µL, T-384																																					
0.5-30 µL, T-1536																																					
0.5-10 µL, T-300	•	•							•						•	•	•										•						•	•			
0.5-20 µL, TXL-10	•	•							•						•	•	•										•							•	•		
0.5-20 µL, T-400																																					
1-200 µL, T-200			•	•	•	•				•	•	•							•	•	•		•					•	•	•	•				•		
1-200 µL, TE-204																																					
1-200 µL, T-205-WB			•	•	•	•				•	•	•							•	•	•		•					•	•	•	•				•		
1-200 µL, TR-222			•	•	•	•				•	•	•							•	•	•		•					•	•	•	•				•		
1-250 µL, TR-333*					•	•	•			•	•	•							•	•	•		•					•	•	•	•				•		
1-300 µL, T-350					•	•				•	•	•							•	•	•		•					•	•	•	•				•		
100-1,000 µL, T-1000, T-1005-WB									•													•		•	•												
100-1,000 µL, RFL-1200-C									•														•	•													
15-1,250 µL, MTX-1250																																					
0.5-10 µL, RFL-300-C	•	•							•						•	•	•										•								•	•	
1-200 µL, RFL-222-C			•	•	•	•				•	•	•							•	•	•		•					•	•	•	•				•		

#### Aerosol Barrier Tips

0.5-10 µL, TF-300	•	•							•						•	•	•									•								•	•		
0.5-10 µL, TXLF-10	•	•							•						•	•	•									•									•	•	
0.5-20 µL, TF-400																																					
0.5-20 µL, TF-420																																					
0.5-20 µL, TF-20			•																																		
0.5-50 µL, TF-50				•					•																												
1-100 µL, TF-100					•														•	•							•									•	
1-150 µL, TF-150																			•	•							•										
1-200 µL, TF-200						•					•								•	•		•						•	•								
1-200 µL, TF-205-WB						•					•								•	•		•						•	•								
1-300 µL, TF-350							•				•																	•	•								
100-1,000 µL, TF-1000									•																	•	•										
100-1,000 µL, TF-1005-WB									•																	•	•										
100-1,100 µL, TF-1200									•																	•	•										
15-1,250 µL, MTXF-1250																																					
1-10 µL, GEN3-10-L-R-S																																				•	
1-20 µL, GEN3-20-L-R-S																			•															•		•	
20-200 µL, GEN3-200-L-R-S																								•				•	•								•
100-1,000 µL, GEN3-1000-L-R-S																																				•	

Key  
 m/ch = Multi-channel, s/ch = Single-channel  
 \*Not available in the U.S.



Eppendorf®																			Pipettor Brand											
Reference									Research									Research Pro			Research Plus	Pipettor Make								
Single/multi-channel									Single-channel					Multi-channel				s/ch	m/ch	s/ch	Channels									
0.1-2.5 μL	0.1-10 μL	0.5-10 μL	2-20 μL "UltraMicro"		2-20 μL	10-100 μL	20-200 μL	50-200 μL	100-1,000 μL	0.1-2.5 μL	0.5-10 μL	2-20 μL	10-100 μL	20-200 μL	100-1,000 μL	0.5-10 μL	5-100 μL	10-100 μL	50-100 μL	20-300 μL	30-300 μL	50-1,200 μL	20-300 μL	50-1,000 μL	0.5-10 μL	20-300 μL	100-1,000 μL	Volume Range		

<b>Non Filter Tips</b> Volume/Axygen Tip																																				
																																	0.1-60 μL, T-384			
																																	0.5-30 μL, T-1536			
●	●	●								●	●					●												●					0.5-10 μL, T-300			
●	●	●								●	●					●												●						0.5-20 μL, TXL-10		
			●																															0.5-20 μL, T-400		
				●	●	●	●				●	●	●			●	●	●	●	●	●		●				●							1-200 μL, T-200		
				●	●	●	●				●	●	●															●							1-200 μL, TE-204	
				●	●	●	●				●	●	●						●	●	●	●	●				●								1-200 μL, T-205-WB	
				●	●	●	●				●	●	●						●	●	●	●	●				●								1-200 μL, TR-222	
				●	●	●	●				●	●	●						●	●	●	●	●				●								1-250 μL, TR-333*	
				●	●	●	●				●	●	●						●	●	●	●	●				●								1-300 μL, T-350	
								●						●										●	●		●									100-1,000 μL, T-1000, T-1005-WB
								●						●										●	●		●									100-1,000 μL, RFL-1200-C
●	●	●						●	●																		●									15-1,250 μL, MTX-1250
				●	●	●	●				●	●	●							●	●	●	●	●			●									0.5-10 μL, RFL-300-C
				●	●	●	●				●	●	●							●	●	●	●	●			●									1-200 μL, RFL-222-C

<b>Aerosol Barrier Tips</b>																																							
●	●	●							●	●																		●							0.5-10 μL, TF-300				
●	●	●							●	●																		●								0.5-10 μL, TXLF-10			
			●																																	0.5-20 μL, TF-400			
			●																																		0.5-20 μL, TF-420		
				●							●																										0.5-20 μL, TF-20		
					●							●					●	●	●																		0.5-50 μL, TF-50		
						●	●					●								●	●	●		●													1-100 μL, TF-100		
														●																							1-150 μL, TF-150		
																												●										1-200 μL, TF-200	
																												●										1-200 μL, TF-205-WB	
																																						1-300 μL, TF-350	
																												●										100-1,000 μL, TF-1000	
																												●										100-1,000 μL, TF-1005-WB	
																												●											100-1,100 μL, TF-1200
●	●	●							●	●																													15-1,250 μL, MTXF-1250
				●	●	●	●				●	●	●																										1-10 μL, GEN3-10-L-R-S
				●	●	●	●				●	●	●																										1-20 μL, GEN3-20-L-R-S
								●																															20-200 μL, GEN3-200-L-R-S
																												●											100-1,000 μL, GEN3-1000-L-R-S







	Socorex										VWR								Pipettor Brand							
	Calibra/Accura										VWR and VWR Signature								Pipettor Make							
	Single-channel					Multi-channel					Single-channel				Multi-channel				Channels							
RFL000, 100-1,000 µL	0.1-2 µL	0.2-2 µL	0.5-10 µL	1-10 µL	2-20 µL	10-100 µL	20-200 µL	100-1,000 µL	1-10 µL	5-50 µL	10-100 µL	20-200 µL	50-200 µL	0.1-2 µL	0.5-10 µL	2-20 µL	5-50 µL	10-100 µL	20-200 µL	50-250 µL	100-1,000 µL	1-10 µL	5-50 µL	20-200 µL	50-300 µL	Volume Range

### Non Filter Tips

Volume/Oxygen Tip

																										0.1-60 µL, T-384
																										0.5-30 µL, T-1536
	•	•	•	•					•					•	•								•			0.5-10 µL, T-300
	•	•	•	•					•					•	•								•			0.5-20 µL, TXL-10
																										0.5-20 µL, T-400
						•	•	•		•	•	•	•		•	•	•	•	•	•	•		•	•	•	1-200 µL, T-200
																										1-200 µL, TE-204
						•	•	•		•	•	•	•		•	•	•	•	•	•	•		•	•	•	1-200 µL, T-205-WB
						•	•	•		•	•	•	•		•	•	•	•	•	•	•		•	•	•	1-200 µL, TR-222
																										1-250 µL, TR-333*
																										1-300 µL, T-350
•								•																		100-1,000 µL, T-1000, T-1005-WB
•								•																		100-1,000 µL, RFL-1200-C
																										15-1,250 µL, MTX-1250
	•	•	•	•					•					•	•											0.5-10 µL, RFL-300-C
						•	•	•		•	•	•	•		•	•	•	•	•	•	•		•	•	•	1-200 µL, RFL-222-C

### Aerosol Barrier Tips

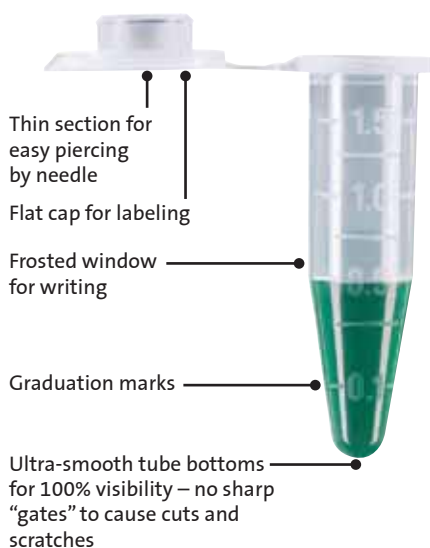
	•	•	•	•					•					•	•											0.5-10 µL, TF-300
	•	•	•	•					•					•	•											0.5-10 µL, TXLF-10
																										0.5-20 µL, TF-400
																										0.5-20 µL, TF-420
					•									•												0.5-20 µL, TF-20
									•						•											0.5-50 µL, TF-50
						•				•						•										1-100 µL, TF-100
																										1-150 µL, TF-150
							•				•	•												•	•	1-200 µL, TF-200
							•																		•	1-200 µL, TF-205-WB
																										1-300 µL, TF-350
								•																		100-1,000 µL, TF-1000
•								•																		100-1,000 µL, TF-1005-WB
•								•																		100-1,100 µL, TF-1200
																										15-1,250 µL, MTXF-1250
																										1-10 µL, GEN3-10-L-R-S
						•								•												1-20 µL, GEN3-20-L-R-S
																										20-200 µL, GEN3-200-L-R-S
																										100-1,000 µL, GEN3-1000-L-R-S



## Microcentrifuge Tubes

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Conical Centrifuge Tubes.....	94
Transport Tubes .....	94

# Microcentrifuge Tubes



Axygen® microcentrifuge tubes are produced from virgin polypropylene that meets USP Class VI requirements.

- ▶ Axygen Maxymum Recovery® surface and standard snaplock tubes: 0.5, 1.5, 1.7, and 2.0 mL
- ▶ Axygen Maxymum Recovery surface and standard screw cap tubes: 0.5, 1.5, and 2.0 mL conical and free-standing

## 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 Axygen 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.

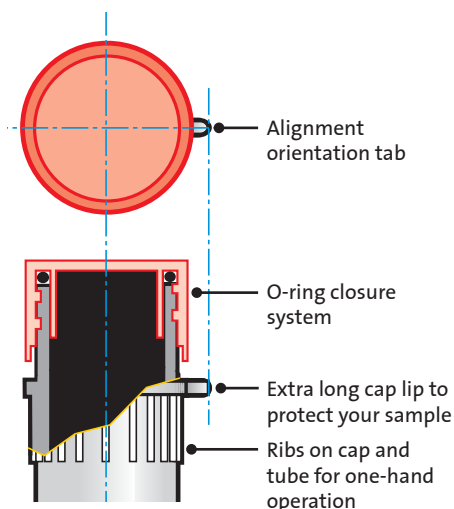
### Features

- ▶ MaxyClear for the ultimate in sample visibility found in all of Axygen's 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
- ▶ Axygen Maxymum Recovery surface available in most styles for minimal sample retention

## 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. Ribs are designed to fit racks and facilitate single-handed opening and closing when used with our aluminum AxyRack.

The closure on Axygen 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. The Alignment Orientation Tab allows the microcentrifuge tube to be aligned with the centrifuge rotor for multiple applications, including desalting. This ensures that the microcentrifuge tube can be re-spun without disturbing the partially pelletized sediment.



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

## SnapLock Microcentrifuge Tubes – Axygen® MaxyClear

Axygen MaxyClear microcentrifuge tubes are available in a variety of colors. Axygen Maximum Recovery® surface and sterile options are also available. SnapLock microcentrifuge tubes have frosted cap surfaces and frosted side panels, ideal for labeling. Each cap features a piercing port in the center of the cap. Microcentrifuge tubes with no caps are available for some sizes.

- ▶ 0.6 mL, 1.5 mL, and 2.0 mL clear microcentrifuge tubes are certified to be boil proof. Colored tubes are not boil-proof.

- ▶ Co-polymer tubes offer exceptional strength and chemical resistance. Not certified to be autoclavable or boil-proof.
- ▶ Clear microcentrifuge tubes are boil-proof. Colored tubes are not boil-proof.
- ▶ Maximum G-force is 14,000 RCF.
- ▶ RNase-/DNase-free and nonpyrogenic
- ▶ Sterility Assurance Level (SAL) of 10<sup>-6</sup>

### 0.6 mL, Homopolymer

Cat. No.	Surface	Color	Packaging	Quantity
MCT-060-C	Standard	MaxyClear	Bulk	1,000/pk, 10/cs
MCT-060-L-C	Maximum Recovery	MaxyClear	Bulk	500/pk, 10/cs
MCT-060-C-S	Standard	MaxyClear	Bulk, sterile	100/bag, 5 bags/pk, 10/cs
MCT-060-A	Standard	Assorted*	Bulk	1,000/pk, 10/cs
MCT-060-SP	Standard	Spectrum**	Bulk	1,000/pk, 10/cs
MCT-060-B	Standard	Blue	Bulk	1,000/pk, 10/cs
MCT-060-G	Standard	Green	Bulk	1,000/pk, 10/cs
MCT-060-O	Standard	Orange	Bulk	1,000/pk, 10/cs
MCT-060-R	Standard	Red	Bulk	1,000/pk, 10/cs
MCT-060-V	Standard	Violet	Bulk	1,000/pk, 10/cs
MCT-060-X	Standard	Amber	Bulk	1,000/pk, 10/cs
MCT-060-Y	Standard	Yellow	Bulk	1,000/pk, 10/cs

### 1.5 mL, Homopolymer

MCT-150-C	Standard	MaxyClear	Bulk	500/pk, 10/cs
MCT-150-L-C	Maximum Recovery	MaxyClear	Bulk	250/pk, 10/cs
MCT-150-C-S	Standard	MaxyClear	Bulk, sterile	50/bag, 5 bags/pk, 10/cs
MCT-150-NC	Standard	MaxyClear	Bulk, no cap	500/pk, 10/cs
MCT-150-A	Standard	Assorted*	Bulk	500/pk, 10/cs
MCT-150-SP	Standard	Spectrum**	Bulk	500/pk, 10/cs
MCT-150-B	Standard	Blue	Bulk	500/pk, 10/cs
MCT-150-G	Standard	Green	Bulk	500/pk, 10/cs
MCT-150-O	Standard	Orange	Bulk	500/pk, 10/cs
MCT-150-R	Standard	Red	Bulk	500/pk, 10/cs
MCT-150-V	Standard	Violet	Bulk	500/pk, 10/cs
MCT-150-X	Standard	Amber	Bulk	500/pk, 10/cs
MCT-150-Y	Standard	Yellow	Bulk	500/pk, 10/cs

### 1.7 mL, Co-polymer

MCT-175-C	Standard	MaxyClear	Bulk	500/pk, 10/cs
MCT-175-L-C	Maximum Recovery	MaxyClear	Bulk	250/pk, 10/cs
MCT-175-C-S	Standard	MaxyClear	Bulk, sterile	50/bag, 5 bags/pk, 10/cs
MCT-175-A	Standard	Assorted*	Bulk	500/pk, 10/cs
MCT-175-SP	Standard	Spectrum**	Bulk	500/pk, 10/cs
MCT-175-B	Standard	Blue	Bulk	500/pk, 10/cs
MCT-175-G	Standard	Green	Bulk	500/pk, 10/cs
MCT-175-O	Standard	Orange	Bulk	500/pk, 10/cs
MCT-175-R	Standard	Red	Bulk	500/pk, 10/cs
MCT-175-V	Standard	Violet	Bulk	500/pk, 10/cs
MCT-175-X	Standard	Amber	Bulk	500/pk, 10/cs
MCT-175-Y	Standard	Yellow	Bulk	500/pk, 10/cs

### 2.0 mL, Homopolymer

MCT-200-C	Standard	MaxyClear	Bulk	500/pk, 10/cs
MCT-200-L-C	Maximum Recovery	MaxyClear	Bulk	250/pk, 10/cs
MCT-200-C-S	Standard	MaxyClear	Bulk, sterile	50/bag, 5 bags/pk, 10/cs
MCT-200-NC	Standard	MaxyClear	Bulk, no cap	500/pk, 10/cs
MCT-200-A	Standard	Assorted*	Bulk	500/pk, 10/cs
MCT-200-SP	Standard	Spectrum**	Bulk	500/pk, 10/cs
MCT-200-B	Standard	Blue	Bulk	500/pk, 10/cs
MCT-200-G	Standard	Green	Bulk	500/pk, 10/cs
MCT-200-O	Standard	Orange	Bulk	500/pk, 10/cs
MCT-200-V	Standard	Violet	Bulk	500/pk, 10/cs
MCT-200-X	Standard	Amber	Bulk	500/pk, 10/cs
MCT-200-Y	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 Tube

- ▶ Graduated at 0.5 mL increments
- ▶ Available in clear and amber
- ▶ Frosted flat cap
- ▶ Fits without adapter to 15 mm diameter centrifuge buckets
- ▶ RNase-/DNase-free
- ▶ Nonpyrogenic
- ▶ Sterility Assurance Level (SAL) of 10<sup>-6</sup>

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

### 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.

NOT ALL PRODUCTS ARE AUTOCLAVABLE.



Bulk Packaging

### 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.

## Microcentrifuge Tubes and Screw Caps

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 is 20,000 RCF.
- ▶ RNase-/DNase-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 (mL)	Style	Color	Packaging
SCT-45-C-S	0.5	Conical, elongated, sterile	Clear	100/bag, 5 bags/pk, 8 pk/cs
SCT-050-C-S	0.5	Conical, sterile	Clear	100/bag, 5 bags/pk, 8 pk/cs
SCT-050-SS-C-S	0.5	Self-standing, sterile	Clear	100/bag, 5 bags/pk, 8 pk/cs
SCT-150-C-S	1.5	Conical, sterile	Clear	100/bag, 5 bags/pk, 8 pk/cs
SCT-150-SS-C-S	1.5	Self-standing, sterile	Clear	100/bag, 5 bags/pk, 8 pk/cs
SCT-200-C-S	2.0	Conical, sterile	Clear	100/bag, 5 bags/pk, 8 pk/cs
SCT-200-SS-C-S	2.0	Self-standing, sterile	Clear	100/bag, 5 bags/pk, 8 pk/cs

Colored-cap versions are also available in sterile format.

### Tubes Only



Cat. No.	Volume (mL)	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-SS	0.5	Self-standing	Clear	500/pk, 8 pk/cs
ST-150	1.5	Conical	Clear	500/pk, 8 pk/cs
ST-150-SS	1.5	Self-standing	Clear	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-050-X	0.5	Conical	Amber	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-X	1.5	Conical	Amber	500/pk, 8 pk/cs
ST-150-SS-X	1.5	Self-standing	Amber	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



### Microcentrifuge Tubes and Screw Caps (Continued)

#### Screw Caps, Non-looped, 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 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



- ▶ 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
- ▶ 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.



#### Transport Tubes

Cat. No.	Volume (mL)	Description	Packaging
ST-10ML	10	Clear	250/pk, 8 pk/cs
SCT-10ML	10	Clear, with cap	250/pk, 4 pk/cs
SCT-10ML-S	10	Clear, with cap, sterile	25/pk, 20 pk/cs
ST-5ML	5	Clear	500/pk, 4 pk/cs
SCT-5ML	5	Clear transport tube and caps	500 tubes/pk, 4 pk/cs and 250 caps/pk, 4 pk/cs
SCT-5ML-S	5	Clear, with cap, sterile	25/pk, 20 pk/cs

#### Screw Cap for Transport Tubes

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







## Sample Prep Solutions for Genomics

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# 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 developed 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.





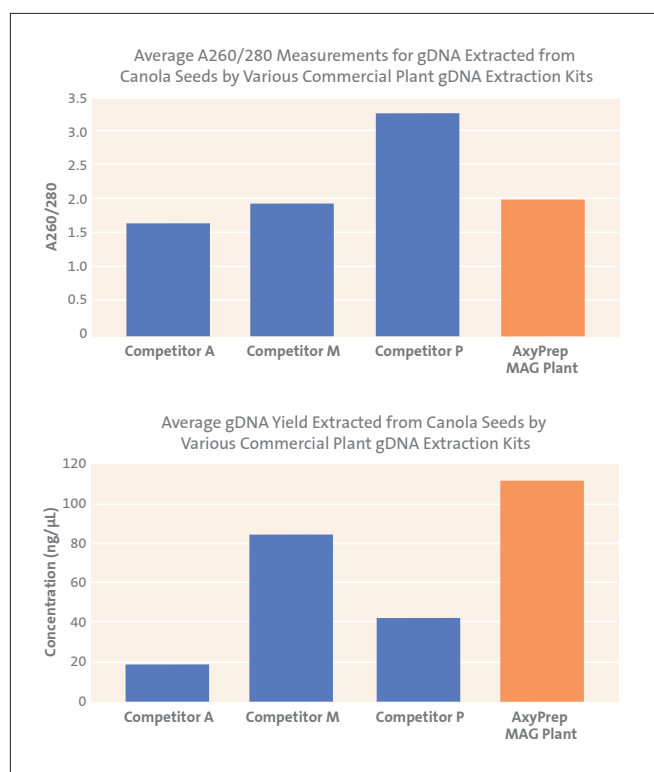
**Applications**

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

**AxyPrep® AxyPrep MAG Plant Genomic DNA Extraction Kit**

The 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



Comparison of DNA extracted using Axygen AxyPrep MAG Plant gDNA Kit versus Company 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.	Magnetic Beads Kits	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



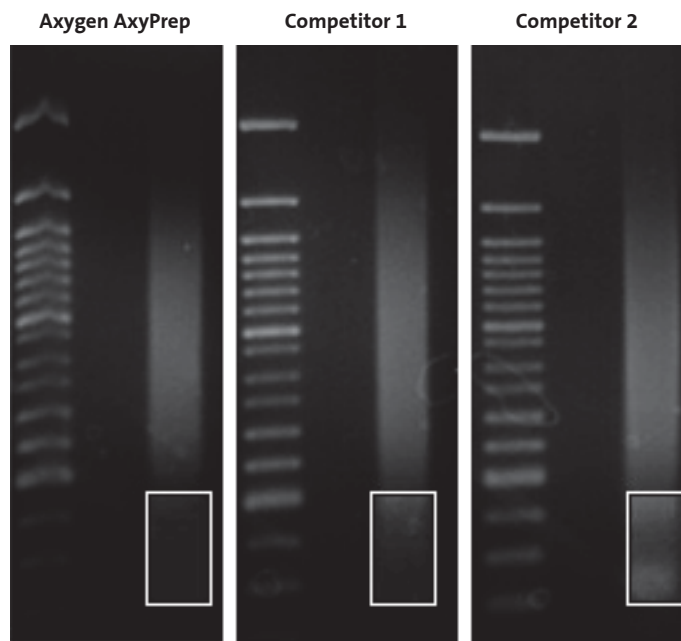
**Applications**

- ▶ Sanger sequencing
- ▶ Next Generation sequencing

### Axygen® AxyPrep MAG PCR Clean-up Kit

The 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 AxyPrep MAG Clean-up results in no primer dimer carry over which can be observed with Competitor 1 and Competitor 2.

Cat. No.	Magnetic Beads Kits	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

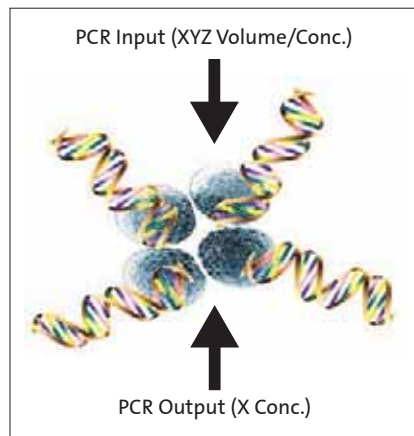


#### Applications

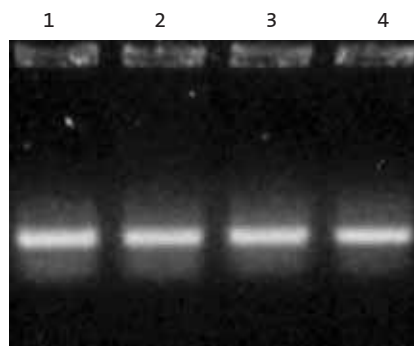
- ▶ Sanger sequencing
- ▶ Next Generation sequencing

The 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.

- ▶ 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 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.	Magnetic Beads Kits	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



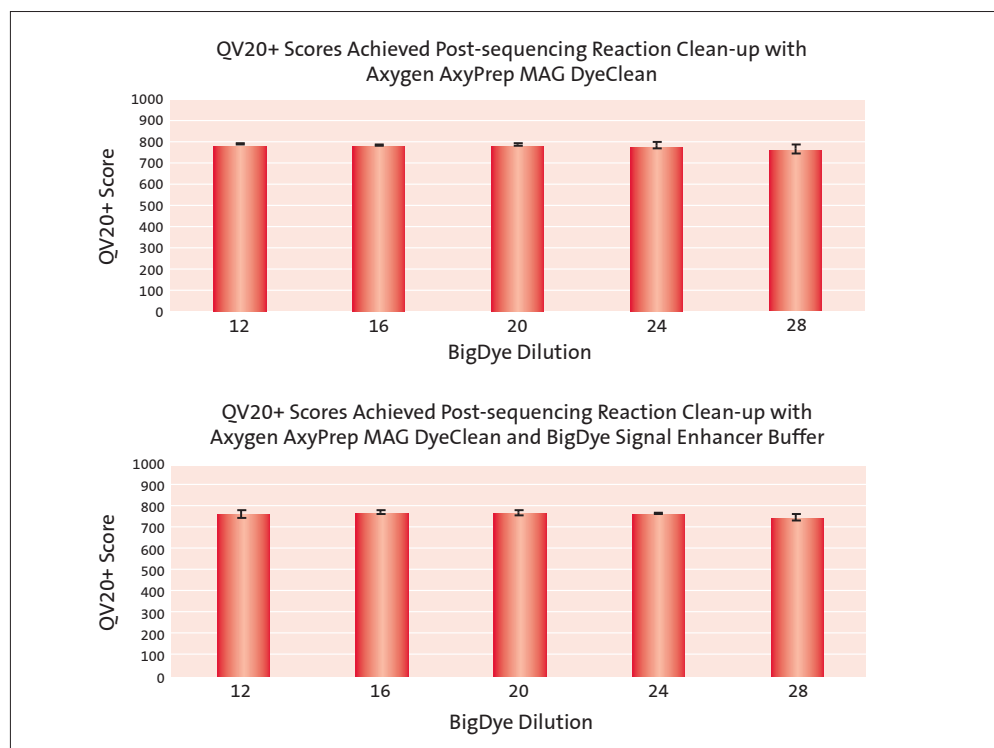
**Applications**

- ▶ 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. 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 minutes/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 µL. The samples were processed on ABI 3730xl.

Cat. No.	Magnetic Beads Kits	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

SAMPLE PREP



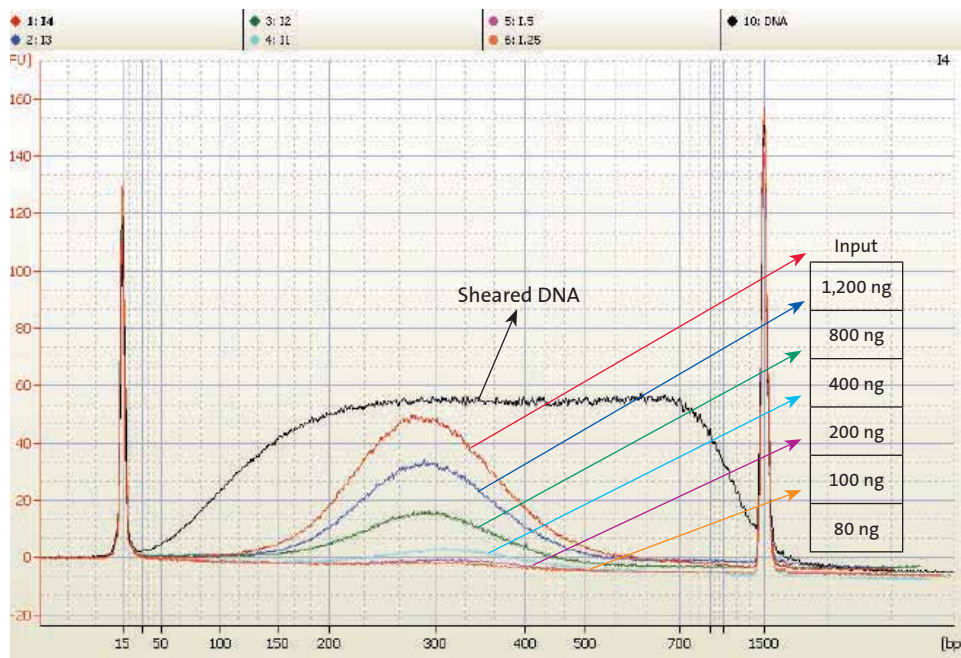
### Axygen® AxyPrep MAG FragmentSelect-I Kit

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 Axy-Prep MAG FragmentSelect-I Kit is optimized for Illumina next generation sequencing platforms and Life Technologies (SOLiD™) fragment size selection needs in the Roche/454's DNA Genome sequencer 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.

#### Applications

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

- ▶ AxyPrep MAG FragmentSelect-I Kit optimized fragment selection chemistries for Illumina® and SOLiD
- ▶ 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.

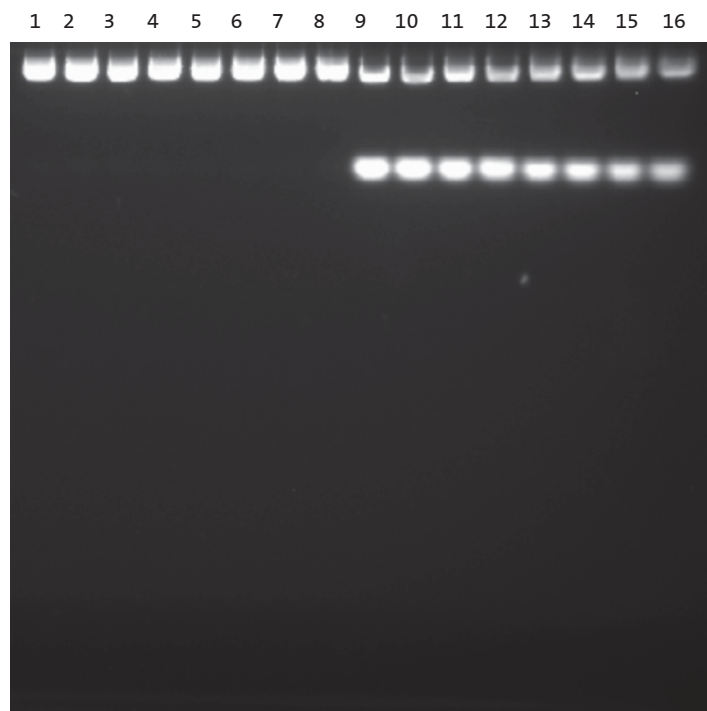
Cat. No.	Magnetic Beads Kits	Kit Size
MAG-FRAG-I-5	AxyPrep MAG FragmentSelect-I Kit, 5 mL	4 preps
MAG-FRAG-I-50	AxyPrep MAG FragmentSelect-I Kit, 50 mL	380 preps
MAG-FRAG-I-250	AxyPrep MAG FragmentSelect-I Kit, 250 mL	1,900 preps



### Axygen® AxyPrep MAG Plasmid Kit

The AxyPrep MAG Plasmid purification kit utilizes a magnetic beads-based technology for high throughput purification of plasmid DNA from *Escherichia coli* cells. 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



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	Competitor	800 µL of 2xYT

Cat. No.	Magnetic Beads Kits	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 Tissue-Blood gDNA Kit



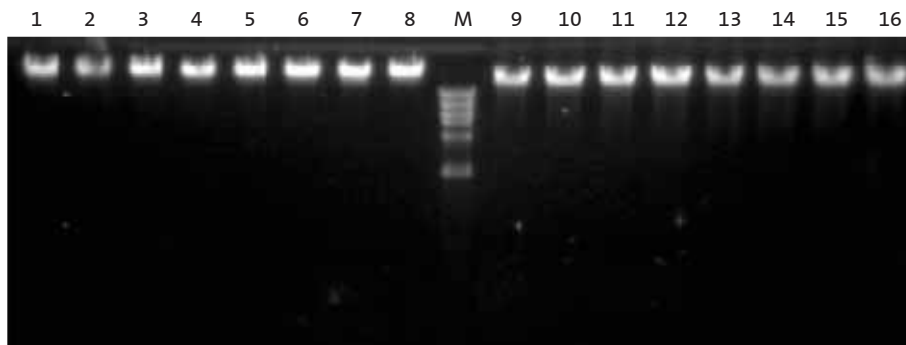
### Applications

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

### One Kit for Multiple Sample Types

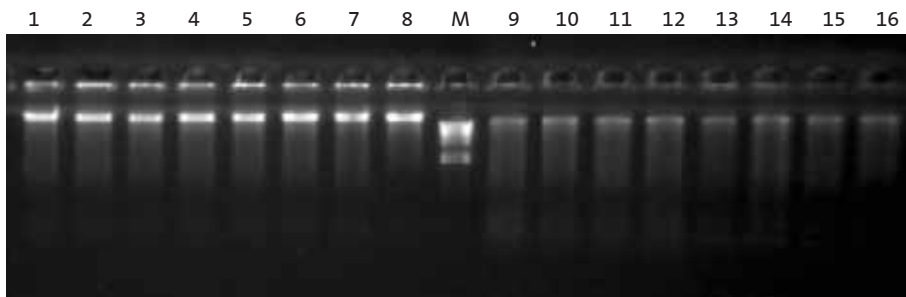
The AxyPrep MAG Tissue-Blood gDNA Kit utilizes a magnetic beads-based technology to isolate genomic DNA from rodent tail tissues. This protocol provides instruction to extract gDNA from fresh or frozen rodent tails. The protocol is performed in 96-well format and 1.5 mL tubes. Purification begins by 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 AxyPrep MAG Tissue and Blood gDNA Kit. 1% Gel run at 130 V for 10 minutes. 5 µL DNA Solution used in each gel well. Elution volume = 200 µL.

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



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

Lane 1 - 8	Axygen	200 µL Human whole blood stored in EDTA
M	Axygen 1 Kb DNA Ladder	
Lane 9 - 16	Competitor	200 µL Human whole blood stored in EDTA

Cat. No.	Magnetic Beads Kits	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

SAMPLE PREP

### 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



**Applications**

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

#### 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.	Hand-held Magnetic Beads Separation Devices	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



**Applications**

- ▶ Sizing of wide range of DNA fragments

**Specifications**

**100 bp and 1 Kb Ladders**

- ▶ 500 µL per vial
- ▶ 0.1 µg/µL concentration
- ▶ Each vial is sufficient for 100 lanes
- ▶ Ready-to-use
- ▶ Contains bromophenol blue dye

**Axygen® DNA Markers**

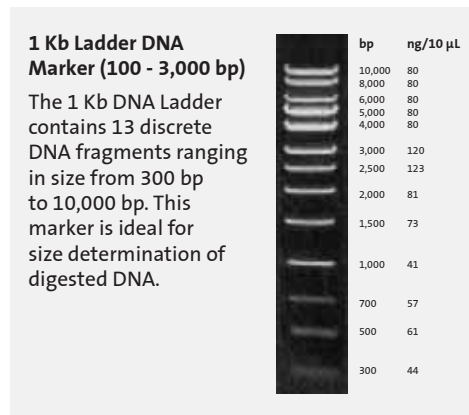
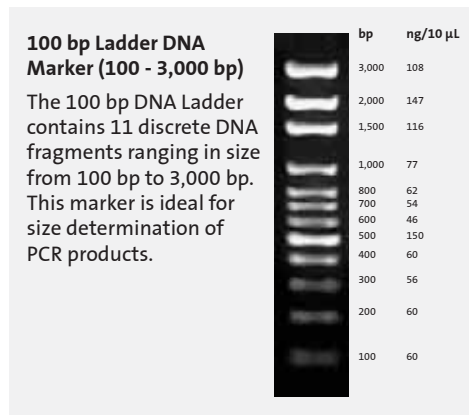
The 100 bp DNA Ladder contains 11 discrete DNA fragments ranging in size from 100 bp to 3,000 bp. This marker is ideal for the size determination of PCR products. Two ready-to-use DNA size markers for gel electrophoresis, the 100 bp Ladder and 1 Kb Ladder represent the two most popular markers used for DNA fragment size determination. These markers are formulated to run accurately and to provide crisp band patterns. The two markers require no additional preparation and contain bromophenol blue for ease of use. Both markers are supplied at a concentration of 50 µg/500 µL (0.1 µg/µL).

The 1 kb DNA Ladder contains 13 discrete DNA fragments ranging in size from 300 bp to 10,000 bp. This marker is ideal for the size determination of digested DNA. Two ready-to-use DNA size markers for gel electrophoresis, the 100 bp Ladder and 1 Kb Ladder represent the two most popular markers used for DNA fragment size determination. These markers are formulated to run accurately and to provide crisp band patterns. For ease of use, the two markers require no additional preparation and contain bromophenol blue dye. Both markers are supplied at a concentration of 50 µg/500 µL (0.1 µg/µL).

- ▶ Ready-to-use
- ▶ Crisp band patterns
- ▶ Includes bromophenol blue dye
- ▶ Stable at room temperature

**Quality Control**

Each lot is tested under appropriate electrophoresis conditions. The DNA concentration is determined spectrophotometrically and the absence of nucleases is confirmed by appropriate tests. Temperature stability is confirmed by burn-in tests where the DNA marker is subject to storage at 65°C and 95% humidity for 2 weeks.



Cat. No.	DNA Markers	Kit Size
M-DNA-100BP	100 bp DNA Ladder	500 µL
M-DNA-1KB	1 kb DNA Ladder	500 µL

## 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

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Axygen Gel Documentation System-BL



Axygen Gel Documentation System

## Axygen® Gel Documentation Systems

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.

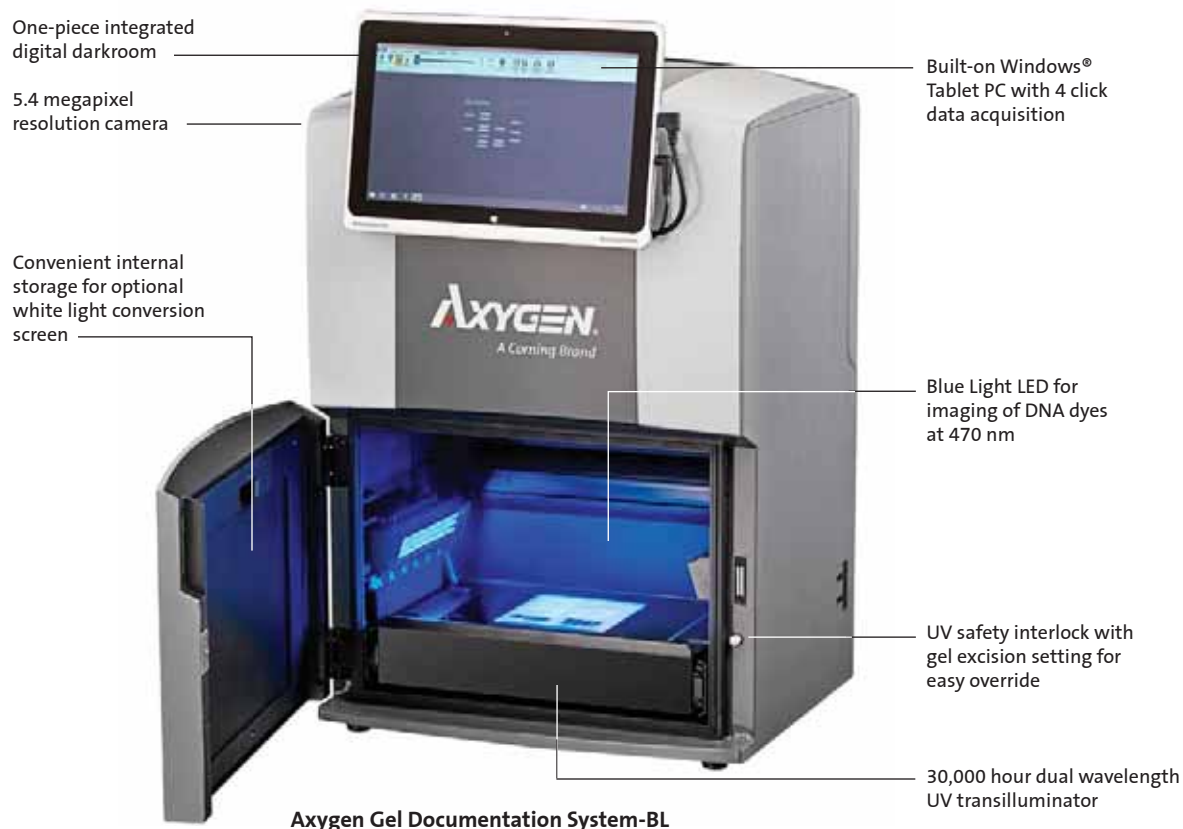
### Features

- ▶ 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 with software already included.

\*\*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>
Trans White Light Illumination Tray	Optional	Optional
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" (30.48 cm x 38.1 cm)	12" x 15" (30.48 cm x 38.1 cm)
Computer	<ul style="list-style-type: none"> <li>▶ Operating system: Microsoft® Windows® 7 or higher</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 8 tablet computer enables compatibility with existing networks, as well as easy setup (also Windows 10 compatible)</li> <li>▶ Bluetooth and wireless compatible, or USB to LAN compatible</li> <li>▶ 10.1" touch screen</li> <li>▶ 2 GB of storage for short term data saving</li> </ul>

**Axygen® Gel Documentation Systems and Accessories**

Corning 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
GD-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
GD-1DN	1 user Network 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
GDBL-RED	Optional red filter (676 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

**Related Products****Axygen Gel Cutting Pipet Tips**

TGL-1165-R	1.1 mm x 6.5 mm gel cutting pipet tips	480	2,400
TGL-1165	1.1 mm x 6.5 mm gel cutting pipet tips	250	2,500
TGL-1140-R	1.1 mm x 4 mm gel cutting pipet tips	480	2,400
TGL-1140	1.1 mm x 4 mm gel cutting pipet tips	250	2,500

**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	500 µL
M-DNA-1KB	1 kb DNA ladder	500 µL	500 µL

**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	10X TBE Buffer, liquid	6 x 1L	6 x 1L
46-010-CM	10X TAE Buffer, liquid	6 x 1L	6 x 1L

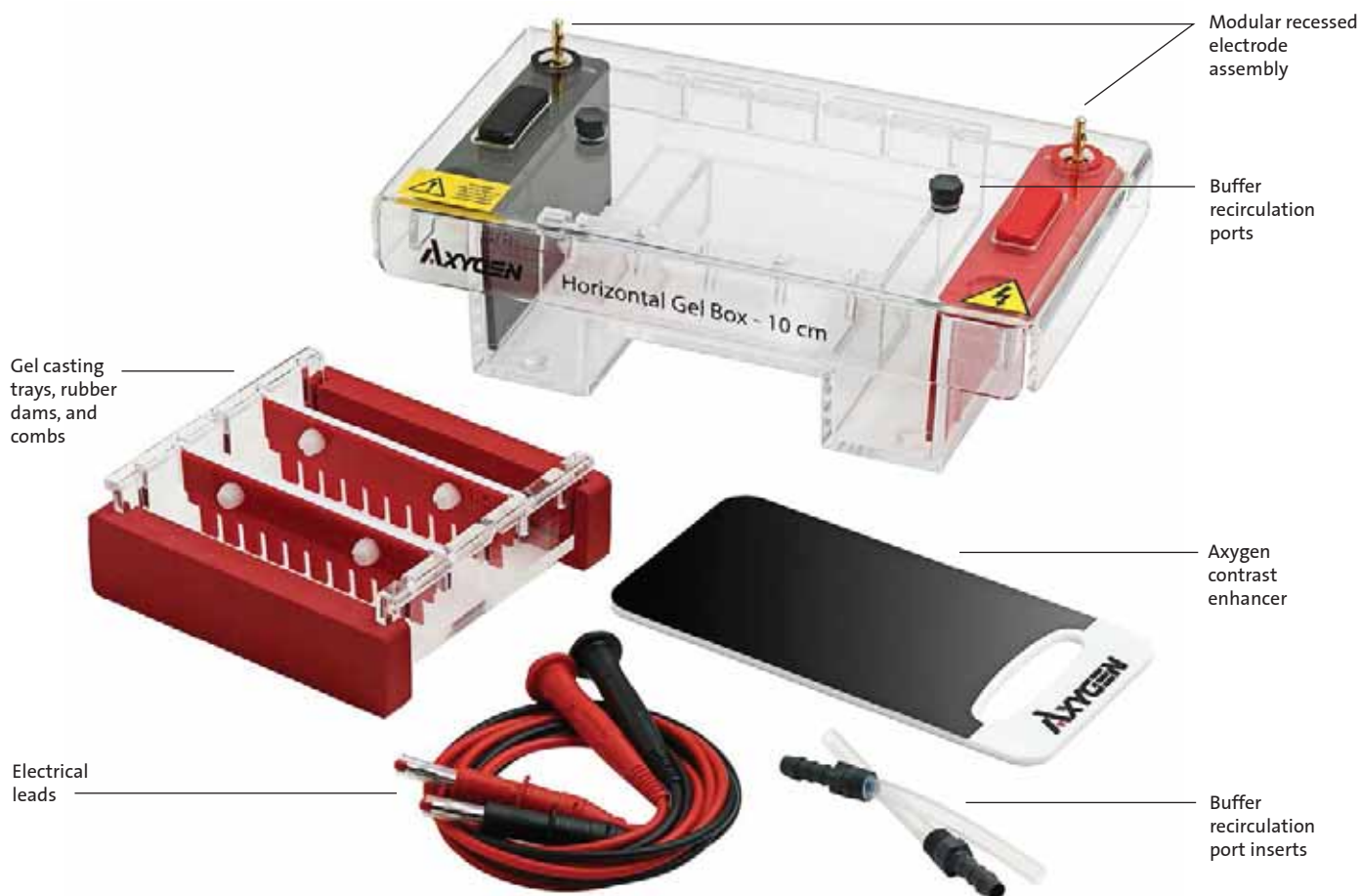


## Axygen® Horizontal Gel Boxes

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.

### Features

- ▶ 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 Axxygen 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 (Continued)**

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**

Corning 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**

Corning 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**

Corning 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**

Corning 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® MaxyGene II Thermal Cycler

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.

### Features

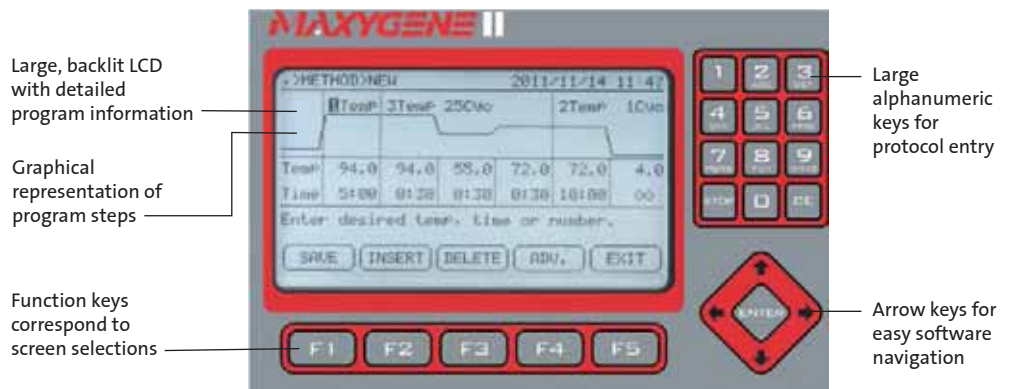
- ▶ Unique flexible programming
- ▶ Rapid run times
- ▶ Improved workflow over traditional gradient cyclers
- ▶ Ramping rates up to 5°C/sec.
- ▶ Simple user interface
- ▶ Adjustable heated lid accommodates strips, tubes, and microplates
- ▶ Pre-programmed standard protocols
- ▶ 3-year warranty

### Simplified Workflow for Improved Throughput

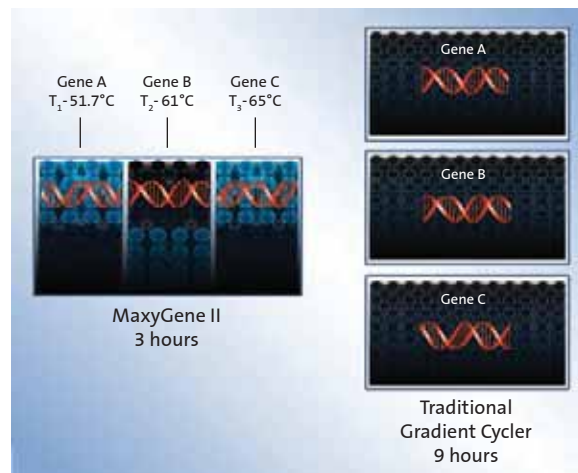
The Axygen MaxyGene II Thermal Cycler is extremely simple to program, compact in design, and built to perform (Figure 1). It makes method optimization affordable and provides consistent, reliable results. Precision Thermal Control provides rapid heating and cooling of the precision-machined sample block 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 can perform up to six different reactions, significantly reducing steps and time.



A variety of applications can be performed with the Axygen® MaxyGene II, 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, 128 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. Temp 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)	24 x 43 x 25 cm
Weight	9 kg
Electrical	120V or 240V, 50/60 Hz

### Axygen MaxyGene II Thermal Cycler

Corning 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

\*Other block formats are available. Contact Corning for details.

### 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 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 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-96-FS-W	96-well white full skirt PCR microplate	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 bar code	10	50
PCR-TS	PCR tight seal thermal sealing film for all thermal cyclers	100	500
UC-500	Optically clear pressure sensitive sealing film	100	500



## Axygen® PlateMax® Semi-automatic Plate Sealer

### 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: skirted, semi-skirted, non-skirted
Maximum Plate Height	45 mm
Compatible Sealing Film Types	Foil-polypropylene laminate Clear polyester-polypropylene laminate Clear polymer Thin clear polymer Foil-laminate Foil



Easy-to-set time and temperature settings

**Axygen® PlateMax® Semi-automatic Plate Sealers**

Corning Cat No.	Description	Qty/Unit	Units/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

**Related Products**

HS-100-QPCR	PlateMax UltraClear permanent heat sealing film for qPCR	100	5
HS-150-QPCR	PlateMax UltraClear 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 Microcentrifuge

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 Microcentrifuge

Corning 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

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





## Axygen® Axyspin Mini Plate Spinner Centrifuge

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

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



### Specifications

Speed	2,500 rpm
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 Centrifuge

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

For related PCR products, see page 121.



Axygen Axypet single- and 8-channel pipettors



Axygen Axypet 12-channel pipettor

## 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\*
- ▶ Finger-hook provides for a more relaxed grip
- ▶ Large ergonomic push button is easy on the thumb during contact
- ▶ Locking feature prevents accidental volume changes during pipetting procedures

Additional multi-channel pipettor features:

- ▶ Push button and ejector button are ergonomically located
- ▶ Curved ejector bar allows tips to be ejected in steps, reducing the amount of force required for ejection
- ▶ Tip manifold rotates 360°
- ▶ Each channel of the pipettor has an individual, precision piston assembly to ensure accuracy and reproducibility from one pipetting series to the next
- ▶ Shafts withdraw when pressed against a row of tips
- ▶ Each shaft moves independently, minimizing jamming of tips
- ▶ Micrometer is continuously adjustable for selection of whole or fractional volumes

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

#### Single-channel Pipettors

Corning Cat. No.	Volume Range	Channels	Accuracy (Min/Max)	Precision (Min/Max)	Tip (µL)	Qty/Cs
AP-2	0.2** - 2 µL	1	±12.0/±1.5%	±6.0/±0.7%	10	1
AP-10	0.5 - 10 µL	1	±4.0/±0.5%	±2.8/±0.4%	10	1
AP-20	2 - 20 µL	1	±3.0/±0.8%	±1.5/±0.3%	200	1
AP-50	5 - 50 µL	1	±2.5/±0.8%	±2.0/±0.4%	200	1
AP-100	10 - 100 µL	1	±1.6/±0.8%	±0.8/±0.2%	200	1
AP-200	20 - 200 µL	1	±1.2/±0.6%	±0.6/±0.2%	200	1
AP-250	50 - 250 µL	1	±1.0/±0.6%	±0.4/±0.3%	300	1
AP-1000	100 - 1,000 µL	1	±1.6/±0.6%	±0.4/±0.15%	1,000	1
AP-5000	1 - 5 mL	1	±0.6/±0.5%	±0.25/±0.15%	5,000	1
AP-10ML	1 - 10 mL	1	±2.5/±0.5%	±0.6/±0.2%	10,000	1

#### Multi-channel Pipettors

AP-8-10	1** - 10 µL	8	±8.0/±2.0%	±6.0/±1.2%	10	1
AP-8-50	5 - 50 µL	8	±4.0/±1.6%	±2.5/±0.6%	200	1
AP-8-200	20 - 200 µL	8	±3.0/±1.0%	±1.5/±0.6%	200	1
AP-8-300	50 - 300 µL	8	±1.6/±1.0%	±1.5/±0.6%	300	1
AP-12-10	1 - 10 µL	12	±8.0/±2.0%	±6.0/±1.2%	10	1
AP-12-50	5 - 50 µL	12	±4.0/±1.6%	±2.5/±1.6%	200	1
AP-12-200	20 - 200 µL	12	±3.0/±1.0%	±1.5/±0.6%	200	1
AP-12-300	50 - 300 µL	12	±1.6/±1.0%	±1.5/±0.6%	300	1

\*Left handed EZject button available by special order.

\*\*Minimum volume is 0.1 µL.

## Axygen® Axypet® Accessories

Corning Cat. No.	Description	Qty/Cs
AP-STR-KIT-1	Axypet starter kit-1 Includes AP-20, AP-200, and AP-1000 pipettors; 1 rack each of 200 $\mu$ L and 1200 $\mu$ L Axxygen tips; calibration tool; ejector spacers set; identification labels; lubricant; color identification rings; right-hand ejector button	1
AP-STR-KIT-2	Axypet starter kit-2 Includes AP-10, AP-100, and AP-1000 pipettors; 1 rack each of 10 $\mu$ L, 200 $\mu$ L, and 1200 $\mu$ L Axxygen tips; calibration tool; ejector spacers set; identification labels; lubricant; color identification rings; right-hand ejector button	1
AP-USD	Axypet universal stand for one single or multi-channel pipettor	1
AP-USD4	Universal linear 4-place stand	1
AP-CSD	Carousel stand	1



Axygen Axypet starter kit



Axypet universal stand



Universal linear 4-place stand



Carousel stand



Ergonomic tip ejection lever

## Axygen® Axypet® 16-channel Pipettor

The Axypet 16-channel pipettor features a comfortable, lightweight design to help reduce hand fatigue, as well as an ergonomically designed ejector lever. Each channel of the pipettor has an individual piston assembly to ensure accuracy and precision when working at micro-volume levels. The tip holder allows for effortless and leak-free tip mounting, while the micrometer is continuously adjustable for selection of whole or fractional volumes.

Axypet 16-channel pipettor features:

- ▶ Compatible with 384-well microplates
- ▶ Ambidextrous design
- ▶ One-hand volume setting
- ▶ Color-coded volume controls for quick and easy selection
- ▶ Fully autoclavable pipettor body (except volume control)
- ▶ Tip manifold rotates 360°

### Axygen Axypet 16-channel Pipettor

Corning Cat. No.	Volume Range (μL)	Channels	Accuracy (Min/Max)	Precision (Min/Max)	Qty/Cs
AP-16-2	0.2 - 2	16	±24.0/±4.0%	±12.0/±2.0%	1
AP-16	1.0* - 10	16	±5.0/±2.0%	±3.6/±1.0%	1
AP-16-50	5 - 50	16	±3.2/±1.40%	±1.6/±0.6%	1

\*Minimum volume is 0.5 μL.

### Compatible Axypet Pipet Tips

These polypropylene tips are RNase-/DNase-free and nonpyrogenic. Flexible walls and internal sealing rings ensure a secure fit with less force required to load and eject. Exclusive Axypet Maxymum Recovery® technology provides ultra-low retention and high yield.

Corning Cat. No.	Product Description	Volume Range (μL)	Tips/Rack	Racks/Pk	Racks/Cs	Qty/Cs
T-1536-R	30 μL pipet tips, clear	0.5 - 30	384	10	5	19,200
T-1536-R-S	30 μL pipet tips, clear, sterile	0.5 - 30	384	10	5	19,200
T-1536-L-R	30 μL Maxymum Recovery pipet tips, clear	0.5 - 30	384	10	5	19,200
T-1536-L-R-S	30 μL Maxymum Recovery pipet tips, clear, sterile	0.5 - 30	384	10	5	19,200
T-384-L-R	60 μL Maxymum Recovery pipet tips, clear	0.5 - 60	384	10	5	19,200

## Axygen® MotoPet® Pipet Controller

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.



Pressure sensitive trigger buttons control rate of aspiration or dispensing.

### Features

- ▶ 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	Nosepiece, pipet holder, and filter are autoclavable.

### Axygen MotoPet Pipet Controller

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

### Spare Parts

MOTO-SP-CONE	Nosepiece	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



Battery charging station included



PTFE filter protects samples from cross-contamination. Both the filter and holder are 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.



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