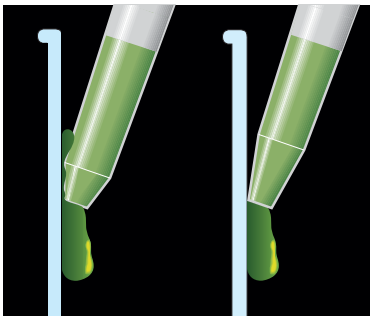


Pipet Tips

- Overview
- Tip Refill System
- Microvolume Tips
- Universal Fit Tips
- Aerosol Barrier Tips
- Axygen GEN3 Multi-Barrier Tips
- Axygen Axypet 16 384-well Format Tips
- Macrovolume Tips
- Gel Loading Tips
- Gel Cutting Tips



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.



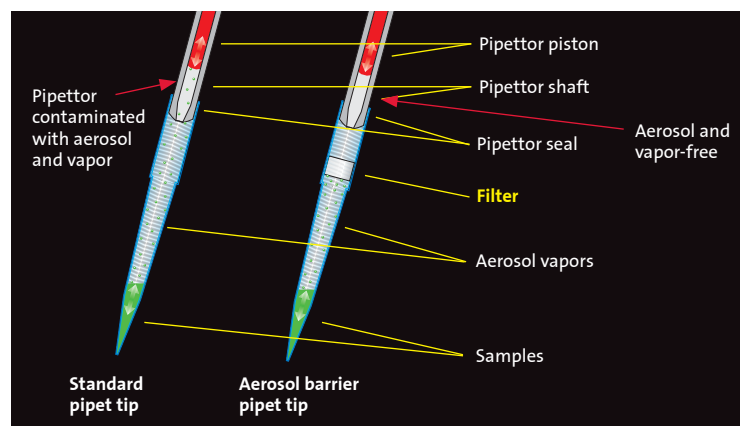
Stack Racks

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.

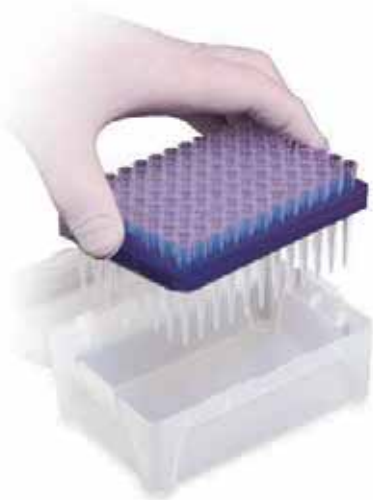


Aerosol barrier tips offer the ultimate in protection against contamination. Their use is particularly appropriate in mission critical applications such as PCR, DNA sequencing, and other techniques involving the use of vaporous, radioactive, biohazardous, or corrosive materials.

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



Australian distributors:
Fisher Biotec Australia
free call: 1800 066 077
email: info@fisherbiotec.com
web: www.fisherbiotec.com

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

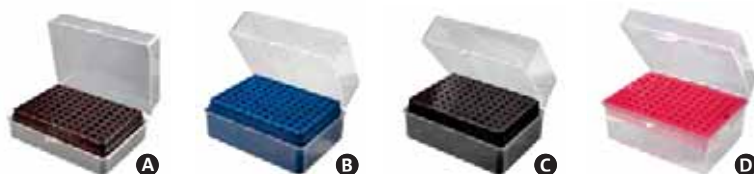
TF-200	–	1 - 200	D	Bulk	1,000/pk, 10 pk/cs
TF-200-R-S	TF-200-L-R-S	1 - 200	D	Racked, sterile	96/rack, 10 racks/pk, 5 pk/cs

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



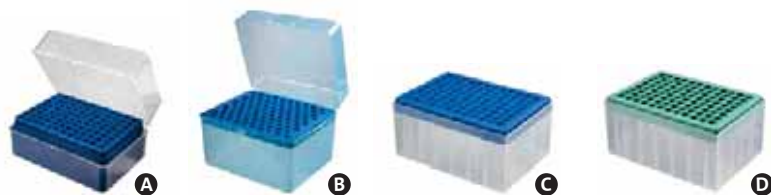
TF-1200-C-R-S	TF-1200-C-L-R-S	100 - 1,100	C	Racked, sterile	96/rack, 12 racks/pk, 3 pk/cs
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1,250 µL, Matrix-style

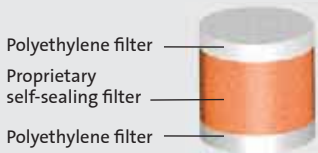


MTXF-1250-C-R-S	–	15 - 1,250	D	Racked, sterile	96/rack, 12 racks/pk, 3 pk/cs
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Tip Racks



**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



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

