

PakGent®

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Find out more at www.pakgentbio.com

PakGent®

PAKGENT BIOSCIENCE



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**SAFER LAB
LIGHTER
EASIER TO HANDLE**

SAFER LAB, LIGHTER, EASIER TO HANDLE.

PakGent® 01/02



Liquid handling consumables of Universal Fit pipette tips, PCR plates, robotic tips and subsidiary consumables.

100,000
class clean room certification

20+
years in Life Science Industry

6
sigma management

CE/ISO
certified

FDA
certification

Our Chief Application Scientist and Co-Founder: Dr. Gao
Post-Doctor in Harvard Medical School, Boston, MA
Over twenty years Research in Top 40 related Pharma R&D center in USA.

- Top class machine, mold and quality management system to achieve the best efficiency and quality
- Leading to automatic packing process to achieve the highest consistency and efficiency
- LEAN production
- Statistic process control
- Best resources in Molding technology
- Injection molding process
- ODM from Mold Design & Building through Injection cycle till finished product



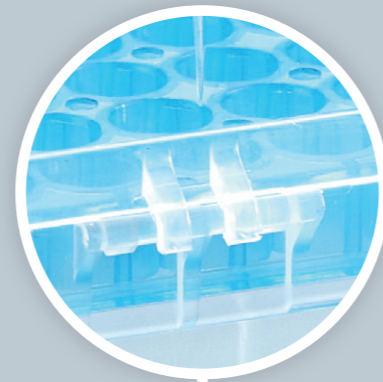
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SAFER LAB LIGHTER EASIER TO HANDLE

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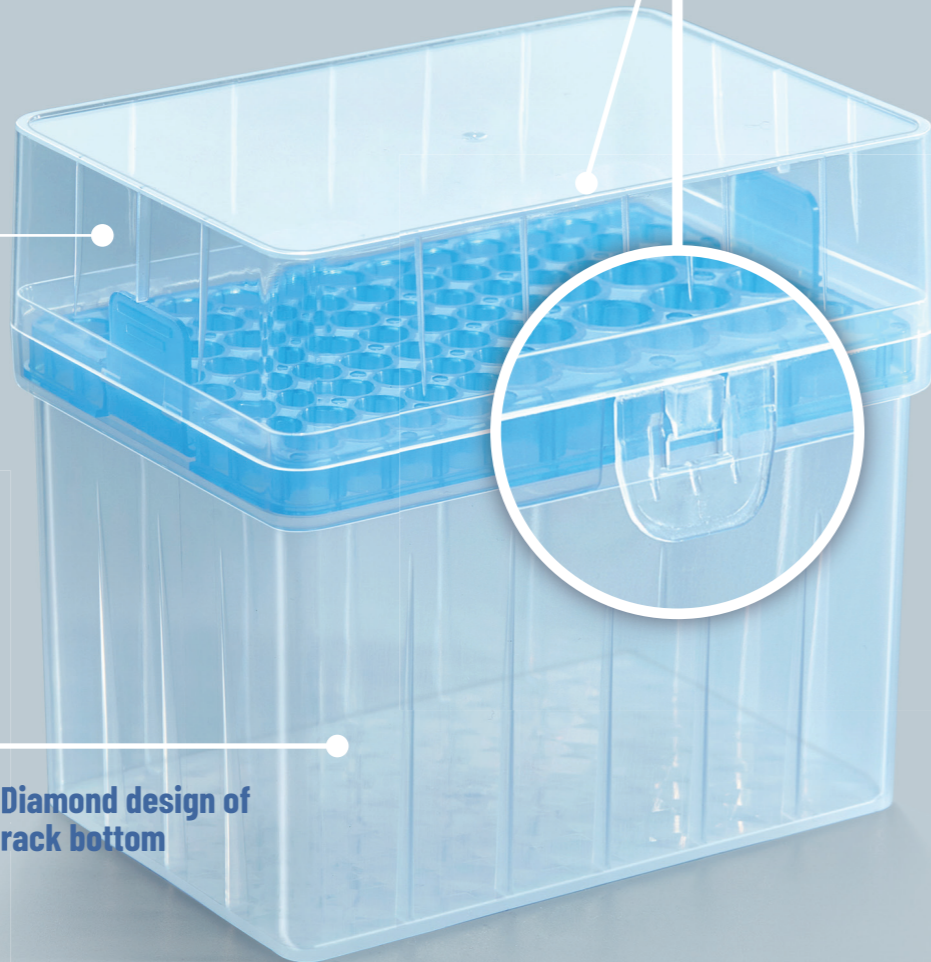
CHAPTER 1 Introduction

- Unique Look (Unique Rack Design gives "Bio-Clean" Concept)
- Smooth link (lid and bottom, no scratch with hands/gloves)
- Crystal clean, direct look into tips inside of the rack
- Diamond design of rack bottom to give full picture of "Bio-Clean"
- Different color insert into rack for different volumes
- Unique package design under PakGent brand



Smooth link

Crystal clean



Diamond design of rack bottom

Pipet Tips Features & Benefits

Universal fit pipette tip means fitting with most global popular pipettes, includes single channel and multi-channel pipette. An excellent fitting performance means fitting most popular global brands of pipettes. As one of the world leading suppliers in pipette tip manufacturing, our goal is to continue providing the best fitting tips in the worldwide market. Dimensions and applications vary from one pipette to the next, therefore we offer a variety of pipette tips for our customers.

PakGent pipette tips are made from 100% virgin polypropylene and are precision-molded for an airtight fit using state-of-the-art molds and molding methods, 100% guarantee of no mold release agent used in the manufacturing process.

Sterile Tips

All of our sterile tip products are gamma irradiation or electron beam sterilized. Certificate of irradiation is available upon request. Please contact your sales rep for information on how to receive a certificate for your products.

Autoclavable Tips & Racks

Pipet tips and racks are autoclavable at a recommended temperature of 121° Cat 15 P.S.I for 15 minutes.

Filter Tips

Specifically designed for PCR work, helps to prevent cross-contamination when contact with the pipette.

Extra Long Tips

These low retention tips minimize liquid retention and ensure optimum sample yield.

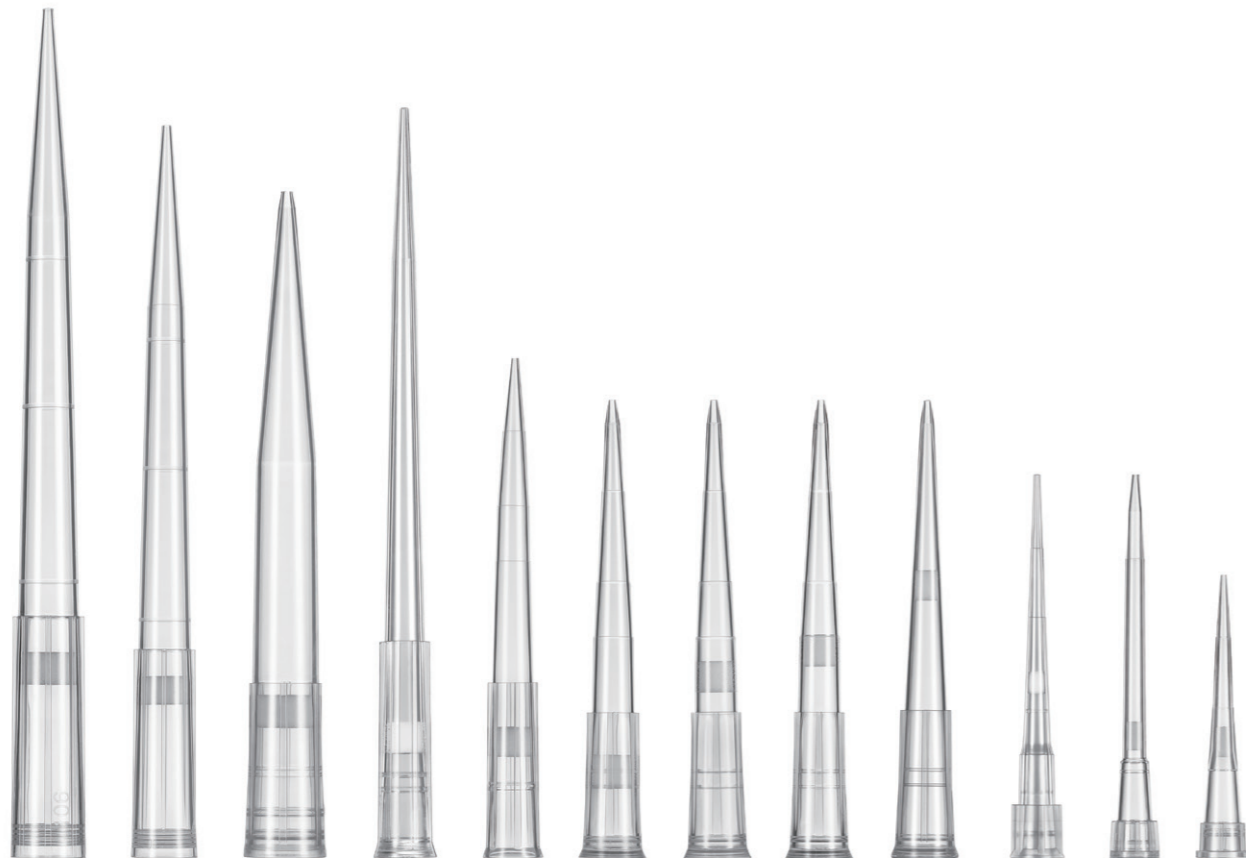
Robotic Tips

Manufactured with 100% virgin polypropylene, and the racks are designed to endure the applied pressures of automated workstations.

Certified Pipet Tips

All of our tips are tested by an independent laboratory and certified to be RNase and DNase free. Sterile products are certified to be free from RNase, DNase, DNA, pyrogens, bioburden, PCR inhibitors, and verified sterile.

CHAPTER 2 Pipette Tips



PakGent Bioscience was founded as a manufacturer of the highest quality pipette tips in the world. For over decade years we have maintained this level, supply the worldwide market with our products in life sciences. And we have quite a variety on this product line from standard pipette tip to extra long design pipette tips, in different packs of them, bulk/rack/refill, with or without filter and low retention types.

All sterile products are irradiated electron beam radiation, which is same level as gamma irradiation but less harsh on plastics than radiation and does not leave toxic residues like gas sterilization usually does to the product.

All of our sterile pipette tips are manufactured out of the highest grade resins and are certified to be RNase, DNase, DNA, pyrogen, and ATP free. Our non-sterile tips are made from the same high quality resins and are certified RNase and DNase free as well.



Length	Type	Notes
32mm	10uL standard	
		
46mm	10uL extra long (bevelled)	
		
46mm	10uL extra long (thin & sharp)	
		
51mm	200uL yellow, bevelled	standard 200uL, normally used 200uL in bulk pack, and 20uL with filter as filter tips
		
51mm	200uL clear, bevelled	bigger body, gives 200uL volume even with filter, and 50uL/100uL filter tips are made of this type too.
		
60mm	200uL extra long (straight)	
		
90mm	200uL super long	For some specific application
		
80mm	1000uL standard	
		
88mm	1000uL (medium)	For some specific application
		
102mm	1,000uL extra long (so called, 1,250uL)	Long enough to give 1,250uL max volume
		

10uL, DNase/RNase free



Part No.	Volume	Tips	Sterile	package type	Pack
UFPT-10R	0.1 - 10ul	universal fit tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-10	0.1 - 10ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-REF-10	0.1 - 10ul	universal fit tips	sterile	refill pack	96/rack, 10racks/stack, 10stacks/case
UFPT-10B	0.1 - 10ul	universal fit tips	-	bulk pack	1,000/bag, 40bags/case
UFPT-F-10B	0.1 - 10ul	filter tips	-	bulk pack	1,000/bag, 40bags/case

10uL extra long design, DNase/RNase free, 46mm



Part No.	Volume	Tips	Sterile	Package Type	Pack
UFPT-10ER	0.1 - 20 ul	universal fit tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-10E	0.1 - 10 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-10EB	0.1 - 20 ul	universal fit tips	-	bulk pack	1,000/bag, 40bags/case
UFPT-F-10EB	0.1 - 10 ul	filter tips	-	bulk pack	1,000/bag, 40bags/case

10uL extra long, thin and sharp design, DNase/RNase free, 46mm



Part No.	Volume	Tips	Sterile	Package Type	Pack
UFPT-10ETR	0.1 - 20 ul	universal fit tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-10ET	0.1 - 10 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-10ETB	0.1 - 20 ul	universal fit tips	-	bulk pack	1,000/bag, 40bags/case
UFPT-F-10ETB	0.1 - 10 ul	filter tips	-	bulk pack	1,000/bag, 40bags/case

200uL standard, bevelled, DNase/RNase free, yellow



Part No.	Volume	Tips	Sterile	Package Type	Pack
UFPT-200R	1 - 200 ul	universal fit tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-20	1 - 20 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-REF-200	1 - 200 ul	universal fit tips	sterile	refill pack	96/rack, 12racks/stack, 10stacks/case
UFPT-200B	1 - 200 ul	universal fit tips	-	bulk pack	1,000/bag, 20bags/case
UFPT-F-20B	1 - 20 ul	filter tips	-	bulk pack	1,000/bag, 20bags/case

200uL standard wider, Bevelled, DNase/RNase free, clear



Part No.	Volume	Tips	Sterile	Package Type	Pack
UFPT-F-50	1 - 50 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-100	1 - 100 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-200	1 - 200 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-50B	1 - 50 ul	filter tips	-	bulk pack	1,000/bag, 20bags/case
UFPT-F-100B	1 - 100 ul	filter tips	-	bulk pack	1,000/bag, 20bags/case
UFPT-F-200B	1 - 200 ul	filter tips	-	bulk pack	1,000/bag, 20bags/case

200uL extra long or 300uL, straight, DNase/RNase free, clear, 60mm



Part No.	Volume	Tips	Sterile	Package Type	Pack
UFPT-200ER	1 - 300 ul	universal fit tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-200E	1 - 200 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-REF-200E	1 - 300 ul	universal fit tips	sterile	refill pack	96/rack, 10racks/stack, 10stacks/case
UFPT-300B	1 - 300 ul	universal fit tips	-	bulk pack	1,000/bag, 20bags/case
UFPT-F-200EB	1 - 200 ul	filter tips	-	bulk pack	1,000/bag, 20bags/case

1000uL standard, DNase/RNase free, clear



Part No.	Volume	Tips	Sterile	Package Type	Pack
UFPT-1000R	100 - 1,000 ul	universal fit tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-1000	100 - 1,000 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-1000B	100 - 1,000 ul	universal fit tips	-	bulk pack	1,000/bag, 10bags/case
UFPT-F-1000B	100 - 1,000 ul	filter tips	-	bulk pack	1,000/bag, 10bags/case

1000uL extra long or 1250uL, DNase/RNase free, 102mm



Part No.	Volume	Tips	Sterile	package type	Pack
UFPT-1000ER	100 - 1,000 ul	universal fit tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-1000E	100 - 1,000 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-REF-1000E	100 - 1,000 ul	universal fit tips	sterile	refill pack	96/rack, 8racks/stack, 10stacks/case
UFPT-1000EB	100 - 1,000 ul	universal fit tips	-	bulk pack	1,000/bag, 10bags/case
UFPT-F-1000EB	100 - 1,000 ul	filter tips	-	bulk pack	1,000/bag, 10bags/case

Some specific application

Super long 200uL, DNase/RNase free, 90mm



Part No.	Volume	Tips	Sterile	package type	Pack
UFPT-200SR	1 - 200 ul	universal fit tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-200S	1 - 200 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-200SB	1 - 200 ul	universal fit tips	-	bulk pack	1,000/bag, 10bags/case
UFPT-F-200SB	1 - 200 ul	filter tips	-	bulk pack	1,000/bag, 10bags/case

Medium long 1000uL, DNase/RNase free, 88mm

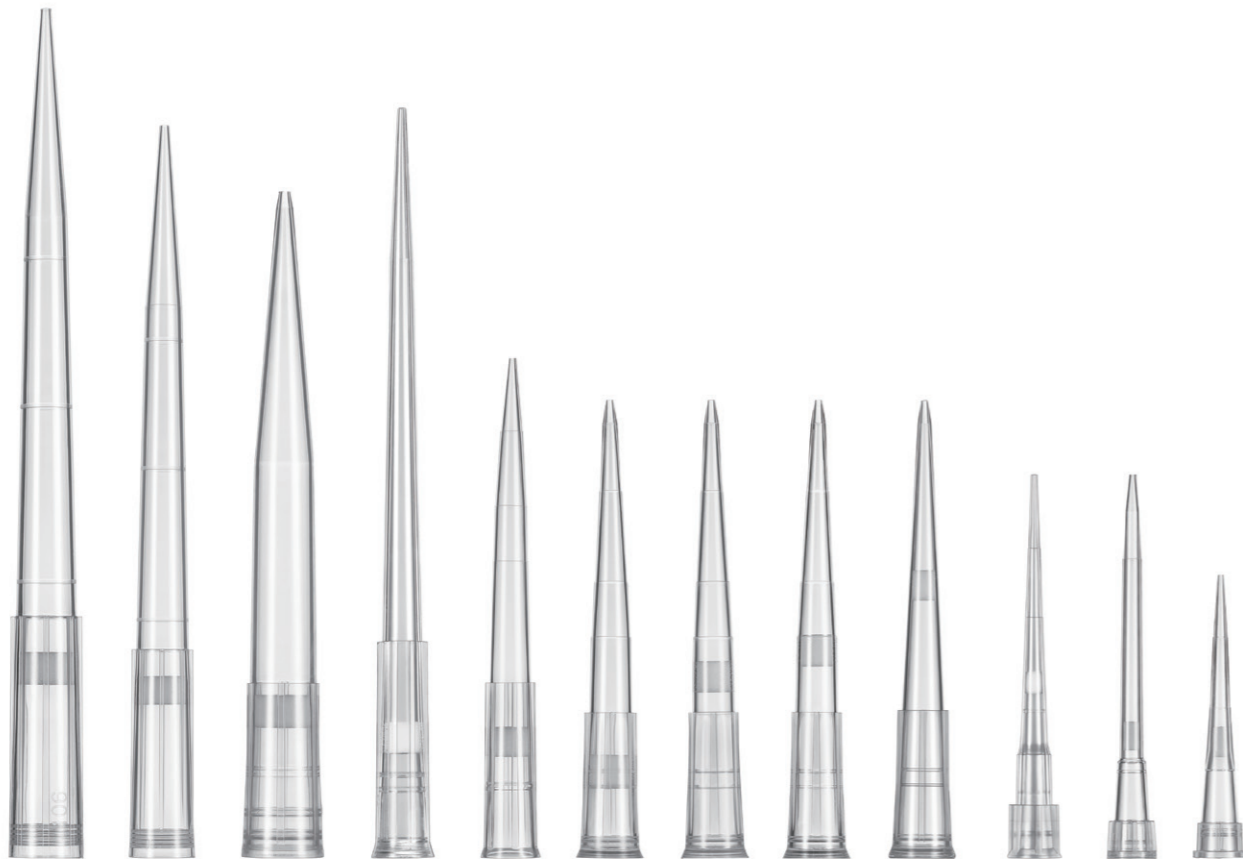


Part No.	Volume	Tips	Sterile	Package Type	Pack
UFPT-1000MR	100 - 1,000 ul	universal fit tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-1000M	100 - 1,000 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-1000MB	100 - 1,000 ul	universal fit tips	-	bulk pack	1,000/bag, 10bags/case
UFPT-F-1000MB	100 - 1,000 ul	filter tips	-	bulk pack	1,000/bag, 10bags/case



CHAPTER **3**

Low Retention Pipette Tips



Low Retention pipet tips are specifically designed for applications requiring high accuracy and reproducibility especially pipetting viscous liquids in complex reactions such as PCR, RT PCR, and DNA sequencing. Pipetting viscous liquids also creates pipetting problems due to the inability to expel fluid because of surface adhesion between the liquid and the inside of the pipet tip. This fluid retention can be quite a problem because of residual liquid typically remain in the pipette tip after the operation.

Visit our website at www.pakgentbio.com for more details.

- Improves Sample Accuracy
- Increases Reliability
- Saves Expensive Reagents
- Precise Sample Delivery
- Sterile Product is certified RNase, ATP, DNA, DNase and pyrogen free



DNase/RNase free, low retention



Part No.	Volume	Tips	Sterile	package type	Pack
UFPT-10R-L	0.1 - 10ul	universal fit tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-10-L	0.1 - 10ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-REF-10-L	0.1 - 10ul	universal fit tips	sterile	refill pack	96/rack, 10racks/stack, 10stacks/case
UFPT-10B-L	0.1 - 10ul	universal fit tips	-	bulk pack	1,000/bag, 40bags/case
UFPT-F-10B-L	0.1 - 10ul	filter tips	-	bulk pack	1,000/bag, 40bags/case

10uL extra long design, DNase/RNase free, low retention, 46mm



Part No.	Volume	Tips	Sterile	Package Type	Pack
UFPT-10ER-L	0.1 - 20 ul	universal fit tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-10E-L	0.1 - 10 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-10EB-L	0.1 - 20 ul	universal fit tips	-	bulk pack	1,000/bag, 40bags/case
UFPT-F-10EB-L	0.1 - 10 ul	filter tips	-	bulk pack	1,000/bag, 40bags/case

10uL extra long, thin and sharp design, DNase/RNase free, low retention, 46mm



Part No.	Volume	Tips	Sterile	Package Type	Pack
UFPT-10ER-L	0.1 - 20 ul	universal fit tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-10E-L	0.1 - 10 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-10EB-L	0.1 - 20 ul	universal fit tips	-	bulk pack	1,000/bag, 40bags/case
UFPT-F-10EB-L	0.1 - 10 ul	filter tips	-	bulk pack	1,000/bag, 40bags/case

200uL standard wider, bevelled, DNase/RNase free, low retention, clear



Part No.	Volume	Tips	Sterile	Package Type	Pack
UFPT-F-50-L	1 - 50 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-100-L	1 - 100 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-200-L	1 - 200 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-50B-L	1 - 50 ul	filter tips	-	bulk pack	1,000/bag, 20bags/case
UFPT-F-100B-L	1 - 100 ul	filter tips	-	bulk pack	1,000/bag, 20bags/case
UFPT-F-200B-L	1 - 200 ul	filter tips	-	bulk pack	1,000/bag, 20bags/case

200uL standard, bevelled, DNase/RNase free, low retention



Part No.	Volume	Tips	Sterile	Package Type	Pack
UFPT-200R-L	1 - 200 ul	universal fit tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-20-L	1 - 20 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-REF-200-L	1 - 200 ul	universal fit tips	sterile	refill pack	96/rack, 10racks/stack, 10stacks/case
UFPT-200B-L	1 - 200 ul	universal fit tips	-	bulk pack	1,000/bag, 20bags/case
UFPT-F-20B-L	1 - 20 ul	filter tips	-	bulk pack	1,000/bag, 20bags/case

200uL extra long or 300uL, straight, DNase/RNase free, low retention, 60mm



Part No.	Volume	Tips	Sterile	Package Type	Pack
UFPT-200ER-L	1 - 300 ul	universal fit tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-200E-L	1 - 200 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-REF-200E-L	1 - 300 ul	universal fit tips	sterile	refill pack	96/rack, 10racks/stack, 10stacks/case
UFPT-300B-L	1 - 300 ul	universal fit tips	-	bulk pack	1,000/bag, 20bags/case
UFPT-F-200EB-L	1 - 200 ul	filter tips	-	bulk pack	1,000/bag, 20bags/case

1000uL standard, DNase/RNase free, low retention



Part No.	Volume	Tips	Sterile	Package Type	Pack
UFPT-1000R-L	100 - 1,000 ul	universal fit tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-1000-L	100 - 1,000 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-1000B-L	100 - 1,000 ul	universal fit tips	-	bulk pack	1,000/bag, 10bags/case
UFPT-F-1000B-L	100 - 1,000 ul	filter tips	-	bulk pack	1,000/bag, 10bags/case

1000uL extra long or 1250uL, DNase/RNase free, low retention, 102mm



Part No.	Volume	Tips	Sterile	package type	Pack
UFPT-1000ER-L	100 - 1,000 ul	universal fit tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-1000E-L	100 - 1,000 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-REF-1000E-L	100 - 1,000 ul	universal fit tips	sterile	refill pack	96/rack, 50racks/case
UFPT-1000EB-L	100 - 1,000 ul	universal fit tips	-	bulk pack	1,000/bag, 10bags/case
UFPT-F-1000EB-L	100 - 1,000 ul	filter tips	-	bulk pack	1,000/bag, 10bags/case

Some specific application

Super long 200uL, DNase/RNase free, low retention, 90mm



Part No.	Volume	Tips	Sterile	package type	Pack
UFPT-200SR-L	1 - 300 ul	universal fit tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-200S-L	1 - 200 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-200SB-L	1 - 200 ul	universal fit tips	-	bulk pack	1,000/bag, 10bags/case
UFPT-F-200SB-L	1 - 200 ul	filter tips	-	bulk pack	1,000/bag, 10bags/case

Medium long 1000uL, DNase/RNase free, low retention, 88mm



Part No.	Volume	Tips	Sterile	Package Type	Pack
UFPT-1000MR-L	100 - 1,000 ul	universal fit tips	sterile	rack pack	96/rack, 50racks/case
UFPT-F-1000M-L	100 - 1,000 ul	filter tips	sterile	rack pack	96/rack, 50racks/case
UFPT-1000MB-L	100 - 1,000 ul	universal fit tips	-	bulk pack	1,000/bag, 10bags/case
UFPT-F-1000MB-L	100 - 1,000 ul	filter tips	-	bulk pack	1,000/bag, 10bags/case

CHAPTER 4 Compatibility List (Pipette Tip)



PAKGENT® PIPETTE TIP COMPATIBILITY LIST (UNIVERSAL FIT)

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EASIER TO HANDLE.**

RAININ		PIPETTE TIPS						FILTER TIPS					
PIPETTE BRAND	PRODUCT NO.	RT020R	RT020R-L	RT200R	RT200R-L	RT1000R	RT1000R-L	RT020RF	RT020RF-L	RT200RF	RT2000RF-L	RT1000RF	RT1000RF-L
PIPETTE VOLUME		0.1-20UL	0.1-20UL	1-200UL	1-200UL	100-1000UL	100-1000UL	0.1-20UL	0.1-20UL	1-200UL	1-200UL	100-1000UL	100-1000UL
Rainin pipette Lite (XLS)	0.1-2ul	√	√					√	√				
	0.5-10ul	√	√					√	√				
	2-20ul	√	√					√	√				
	10-100ul			√	√					√	√		
	20-200ul			√	√					√	√		
	20-300ul												
	100-1000ul					√	√					√	√
Rainin pipette Lite (LTS)	0.1-2ul	√	√					√	√				
	0.5-10ul	√	√					√	√				
	2-20ul	√	√					√	√				
	10-100ul			√	√					√	√		
	20-200ul			√	√					√	√		
	100-1000ul					√	√					√	√

**SAFER LAB,
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BIOHIT		PIPETTE TIPS																FILTER TIPS																															
PIPETTE BRAND	PRODUCT NO.	UFPT-10B	UFPT-10EB	UFPT-10R	UFPT-REF-10	UFPT-10ER	UFPT-200B	UFPT-200R	UFPT-REF-200	UFPT-200SB	UFPT-200SR	UFPT-300B	UFPT-200ER	UFPT-REF-200E	UFPT-1000B	UFPT-1000R	UFPT-1000EB	UFPT-1000ER	UFPT-REF-1000E	UFPT-1000MB	UFPT-1000MR	UFPT-F-10	UFPT-F-10B	UFPT-F-10E	UFPT-F-10EB	UFPT-F-20	UFPT-F-20B	UFPT-F-50	UFPT-F-50B	UFPT-F-100	UFPT-F-100B	UFPT-F-200	UFPT-F-200B	UFPT-F-200E	UFPT-F-200EB	UFPT-F-200S	UFPT-F-200SB	UFPT-F-1000	UFPT-F-1000B	UFPT-F-1000M	UFPT-F-1000MB	UFPT-F-1000E	UFPT-F-1000EB						
PIPETTE VOLUME		0.1-10UL	0.1-10UL	0.1-10UL	0.1-10UL	0.1-10UL	1-200ul	1-200ul	1-200ul	1-200ul	1-200ul	1-300ul	1-300ul	1-300ul	100-1000ul	100-1000ul	100-1000ul	100-1000ul	100-1000ul	100-1000ul	100-1000ul	100-1000ul	0.1-10UL	0.1-10UL	0.1-10UL	0.1-10UL	1-20UL	1-20UL	1-50ul	1-50ul	1-100ul	1-100ul	1-200ul	1-200ul	1-300ul	1-300ul	1-200ul	1-200ul	100-1000ul	100-1000ul	100-1000ul	100-1000ul	100-1000ul	100-1000ul					
BIOHIT PROLINE	0.1-2.5ul	√		√	√																	√	√																										
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	2-20ul						√	√	√																	√	√																						
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	50-300ul									√	√	√	√	√														√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	
	100-1000ul															√	√	√	√	√	√	√																			√	√	√	√	√	√	√		
BIOHIT PROLINE (plus)	0.1-3ul	√		√	√																	√	√																										
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	30-300ul									√	√	√	√	√														√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	100-1000ul															√	√	√	√	√	√	√																					√	√	√	√	√	√	
BRAND																																																	
BRAND	0.1-1ul	√	√	√	√	√																√	√	√	√																								
	0.1-2.5ul	√	√	√	√	√																√	√	√	√																								
	0.5-10ul	√	√	√	√	√																√	√	√	√																								
	2-20ul						√	√	√																		√	√																					
	5-50ul						√	√	√																		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	10-100ul						√	√	√																		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	
	20-200ul						√	√	√	√	√	√	√	√													√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	
	30-300ul						√	√	√	√	√	√	√	√													√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	
	100-1000ul															√	√	√	√	√	√	√																						√	√	√	√	√	

CHAPTER 5

Rainin LTS Pipette Tip

Rainin LTS pipette is recently popular light touch pipette, the pipette tips to work with LTS pipette.

- Easy to handle for operator
- Easier/lighter to eject
- More accurate sample delivery
- Seal well between Pipette and Pipette tip
- Available in rack/refill pack with or without filter
- Low retention version is available



20ul Rainin LTS tip, sterile



Part No.	With Filter	Low Retention	Package type	Pack
RT20R	-	-	rack pack	96/rack, 50racks/case
RT20R-L	-	low retention	rack pack	96/rack, 50racks/case
RT20RF	with filter	-	rack pack	96/rack, 50racks/case
RT20RF-L	with filter	low retention	rack pack	96/rack, 50racks/case
RT20B	-	-	bulk pack	1,000/bag, 40bags/case
RT20B-L	-	low retention	bulk pack	1,000/bag, 40bags/case
RT20-REF	-	-	refill pack	96/rack, 10racks/stack, 10stacks/case
RT20-REF-L	-	low retention	refill pack	96/rack, 10racks/stack, 10stacks/case

200ul Rainin LTS tip, sterile



Part No.	With Filter	Low Retention	Package type	Pack
RT200R	-	-	rack pack	96/rack, 50racks/case
RT200R-L	-	low retention	rack pack	96/rack, 50racks/case
RT200RF	with filter	-	rack pack	96/rack, 50racks/case
RT200RF-L	with filter	low retention	rack pack	96/rack, 50racks/case
RT200B	-	-	bulk pack	1,000/bag, 20bags/case
RT200B-L	-	low retention	bulk pack	1,000/bag, 20bags/case
RT200-REF	-	-	refill pack	96/rack, 10racks/stack, 10stacks/case
RT200-REF-L	-	low retention	refill pack	96/rack, 10racks/stack, 10stacks/case

1000ul Rainin LTS tip, sterile



Part No.	With Filter	Low Retention	Package type	Pack
RT1000R	-	-	rack pack	96/rack, 50racks/case
RT1000R-L	-	low retention	rack pack	96/rack, 50racks/case
RT1000RF	with filter	-	rack pack	96/rack, 50racks/case
RT1000RF-L	with filter	low retention	rack pack	96/rack, 50racks/case
RT1000B	-	-	bulk pack	1,000/bag, 10bags/case
RT1000B-L	-	low retention	bulk pack	1,000/bag, 10bags/case
RT1000-REF	-	-	refill pack	96/rack, 8racks/stack, 10stacks/case
RT1000-REF-L	-	low retention	refill pack	96/rack, 8racks/stack, 10stacks/case

CHAPTER 6

Robotic Pipette Tips



PakGent Bioscience offers a wide range of pipet tips for automated robotic workstations like, Tecan, Hamilton, Beckman etc.

All of our sterile pipette tips are manufactured out of the highest grade resins and are certified to be RNase, DNase, DNA, pyrogen, and ATP free. Our non-sterile tips are made from the same high quality resins and are certified RNase and DNase free as well.

Automated workstations actually require much tighter tolerances to the robotic tips than those of standard manual pipet tips. So we strongly suggest to purchase pre-sterilized products than non sterilized products which needs autoclaving, and autoclaving can warp the tips slightly.



Robotic Tip Tecan®

Fits Tecan Genesis Freedom®, Freedom EVO® and Miniprep with LiHa®

50uL Clear Tip, sterile



Part No.	With Filter	Low Retention	Package type	Pack
RT050T	-	-	rack pack	96/rack, 50racks/case
RT050T-L	-	low retention	rack pack	96/rack, 50racks/case
RT050TF	with filter	-	rack pack	96/rack, 50racks/case
RT050TF-L	with filter	low retention	rack pack	96/rack, 50racks/case

200uL Clear Tip, sterile



Part No.	With Filter	Low Retention	Package type	Pack
RT200T	-	-	rack pack	96/rack, 50racks/case
RT200T-L	-	low retention	rack pack	96/rack, 50racks/case
RT200TF	with filter	-	rack pack	96/rack, 50racks/case
RT200TF-L	with filter	low retention	rack pack	96/rack, 50racks/case

1000uL Clear Tip, sterile



Part No.	With Filter	Low Retention	Package type	Pack
RT1000T	-	-	rack pack	96/rack, 50racks/case
RT1000T-L	-	low retention	rack pack	96/rack, 50racks/case
RT1000TF	with filter	-	rack pack	96/rack, 50racks/case
RT1000TF-L	with filter	low retention	rack pack	96/rack, 50racks/case

50uL Conductive Tip, sterile



Part No.	With Filter	Low Retention	Package type	Pack
RT050TX	-	-	rack pack	96/rack, 50racks/case
RT050TX-L	-	low retention	rack pack	96/rack, 50racks/case
RT050TFX	with filter	-	rack pack	96/rack, 50racks/case
RT050TFX-L	with filter	low retention	rack pack	96/rack, 50racks/case

200uL Conductive Tip, sterile



Part No.	With Filter	Low Retention	Package type	Pack
RT200TX	-	-	rack pack	96/rack, 50racks/case
RT200TX-L	-	low retention	rack pack	96/rack, 50racks/case
RT200TFX	with filter	-	rack pack	96/rack, 50racks/case
RT200TFX-L	with filter	low retention	rack pack	96/rack, 50racks/case

1000uL Conductive Tip, sterile



Part No.	With Filter	Low Retention	Package type	Pack
RT1000TX	-	-	rack pack	96/rack, 50racks/case
RT1000TX-L	-	low retention	rack pack	96/rack, 50racks/case
RT1000TFX	with filter	-	rack pack	96/rack, 50racks/case
RT1000TFX-L	with filter	low retention	rack pack	96/rack, 50racks/case

Robotic Tip Hamilton®

Fits Hamilton Star®, Starlet and Nimbus®

50ul Clear Tip, sterile



Part No.	With Filter	Low Retention	Package type	Pack
RT050H	-	-	rack pack	96/rack, 50racks/case
RT050H-L	-	low retention	rack pack	96/rack, 50racks/case
RT050HF	with filter	-	rack pack	96/rack, 50racks/case
RT050HF-L	with filter	low retention	rack pack	96/rack, 50racks/case

300uL Clear Tip, sterile



Part No.	With Filter	Low Retention	Package type	Pack
RT300H	-	-	rack pack	96/rack, 50racks/case
RT300H-L	-	low retention	rack pack	96/rack, 50racks/case
RT300HF	with filter	-	rack pack	96/rack, 50racks/case
RT300HF-L	with filter	low retention	rack pack	96/rack, 50racks/case

1000uL Clear Tip, sterile



Part No.	With Filter	Low Retention	Package type	Pack
RT1000H	-	-	rack pack	96/rack, 50racks/case
RT1000H-L	-	low retention	rack pack	96/rack, 50racks/case
RT1000HF	with filter	-	rack pack	96/rack, 50racks/case
RT1000HF-L	with filter	low retention	rack pack	96/rack, 50racks/case

50uL Conductive Tip, sterile



Part No.	With Filter	Low Retention	Package type	Pack
RT050HX	-	-	rack pack	96/rack, 50racks/case
RT050HX-L	-	low retention	rack pack	96/rack, 50racks/case
RT050HFX	with filter	-	rack pack	96/rack, 50racks/case
RT050HFX-L	with filter	low retention	rack pack	96/rack, 50racks/case

300uL Conductive Tip, sterile



Part No.	With Filter	Low Retention	Package type	Pack
RT300HX	-	-	rack pack	96/rack, 50racks/case
RT300HX-L	-	low retention	rack pack	96/rack, 50racks/case
RT300HFX	with filter	-	rack pack	96/rack, 50racks/case
RT300HFX-L	with filter	low retention	rack pack	96/rack, 50racks/case

1000uL Conductive Tip, sterile



Part No.	With Filter	Low Retention	Package type	Pack
RT1000HX	-	-	rack pack	96/rack, 50racks/case
RT1000HX-L	-	low retention	rack pack	96/rack, 50racks/case
RT1000HFX	with filter	-	rack pack	96/rack, 50racks/case
RT1000HFX-L	with filter	low retention	rack pack	96/rack, 50racks/case

Robotic Tip Beckman®

Fits Becman FX/NX, Multimek AP96 and Biomek3000

50uL Clear Tip, rack, sterile



Part No.	With Filter	Low Retention	Package type	Pack
RT050B	-	-	rack pack	96/rack, 50racks/case
RT050B-L	-	low retention	rack pack	96/rack, 50racks/case
RT050BF	with filter	-	rack pack	96/rack, 50racks/case
RT050BF-L	with filter	low retention	rack pack	96/rack, 50racks/case

250uL Clear Tip, rack, sterile



Part No.	With Filter	Low Retention	Package type	Pack
RT250B	-	-	rack pack	96/rack, 50racks/case
RT250B-L	-	low retention	rack pack	96/rack, 50racks/case
RT250BF	with filter	-	rack pack	96/rack, 50racks/case
RT250BF-L	with filter	low retention	rack pack	96/rack, 50racks/case

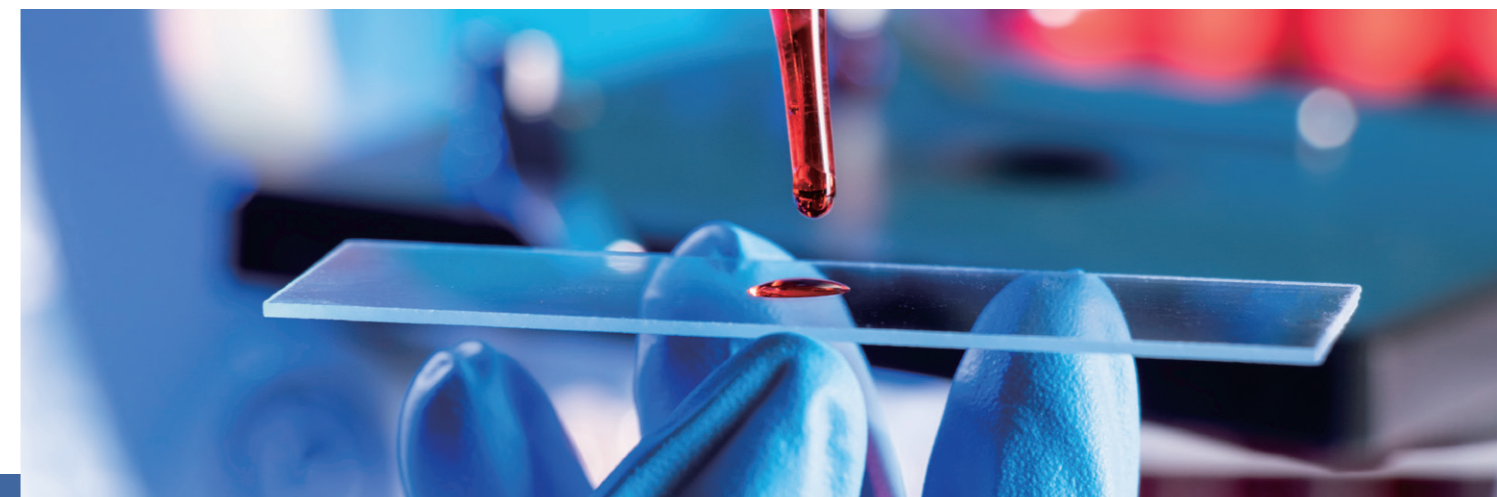
Robotic Tip Agilent®

Fits Agilent®, Agilent Bravo®

250uL Clear Tip, rack, sterile



Part No.	With Filter	Low Retention	Package type	Pack
RT250A	-	-	rack pack	96/rack, 50racks/case
RT250A-L	-	low retention	rack pack	96/rack, 50racks/case
RT250AF	with filter	-	rack pack	96/rack, 50racks/case
RT250AF-L	with filter	low retention	rack pack	96/rack, 50racks/case



CHAPTER 7 PCR Consumables

Our tube design and thickness offers the perfect seal, since the seal between the tube opening and the tube cap is critical in minimizing evaporation or sample leakage.

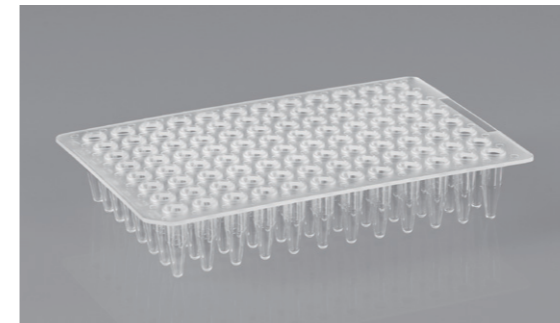
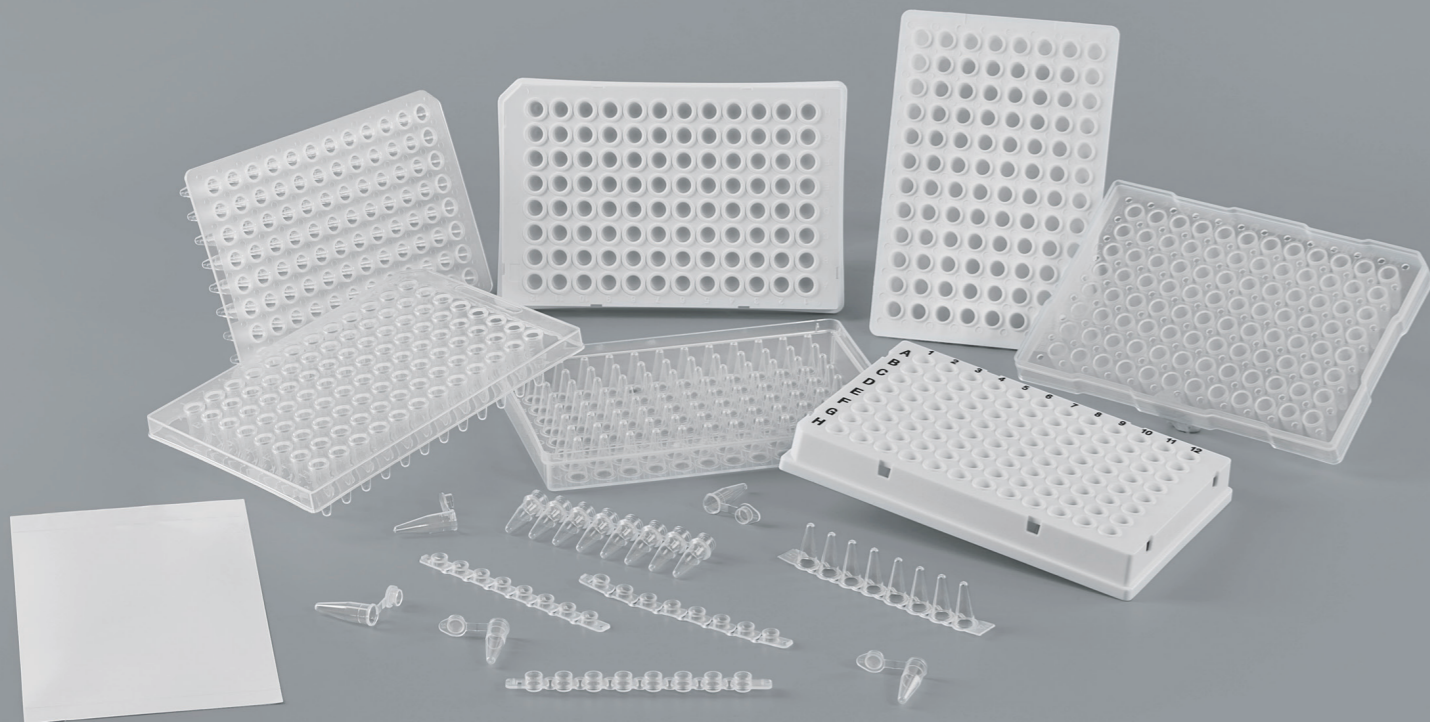
Loose caps allow evaporation; overly tight caps cause spillage upon opening. All PCR tubes are non-sterile, certified RNase and DNase free.

Available in a wide variety of styles from individual tubes, to strips and plates.

Most of PCR plates have both clear and white type

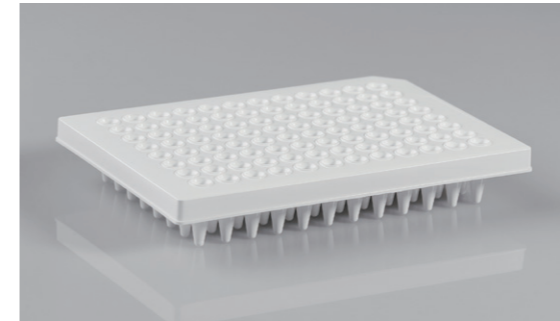
Numeric markings on our strip of tubes

Alphanumeric markings on plates



Non-skirt, qPCR plates, unskirted

Part No.	Option	Color	Pack
PCRP-20NS	0.2ml 96-well	clear	10/box, 5boxes/case
PCRP-10NS	0.1ml 96-well	clear	10/box, 5boxes/case
PCRP-20NS-W	0.2ml 96-well	white	10/box, 5boxes/case
PCRP-10NS-W	0.1ml 96-well	white	10/box, 5boxes/case



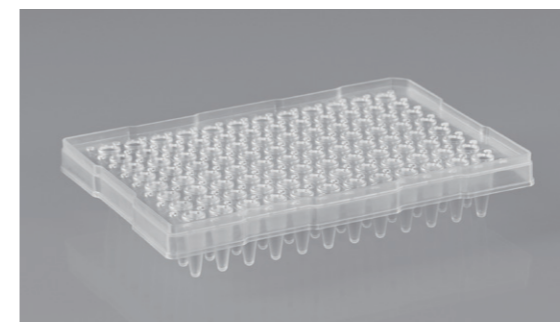
Half skirt, fit ABI, qPCR plates

Part No.	Option	Color	Pack
PCRP-20HS	0.2ml 96-well	clear	10/box, 5boxes/case
PCRP-10HS	0.1ml 96-well	clear	10/box, 5boxes/case
PCRP-20HS-W	0.2ml 96-well	white	10/box, 5boxes/case
PCRP-10HS-W	0.1ml 96-well	white	10/box, 5boxes/case



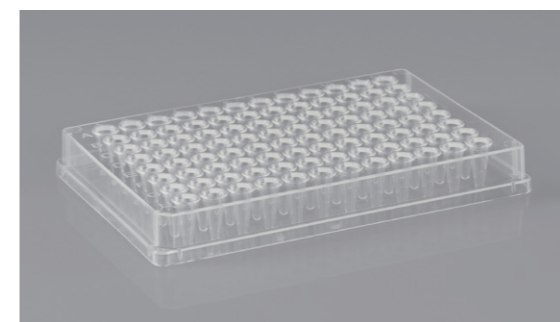
Half skirt, fit Biorad/Roche, qPCR plates

Part No.	Option	Color	Pack
PCRP-20HSR	0.2ml 96-well	clear	10/box, 10boxes/case
PCRP-10HSR	0.1ml 96-well	clear	10/box, 10boxes/case
PCRP-10HSR-W	0.1ml 96-well	white	10/box, 10boxes/case



Sub semi-skirt or High-skirt, fit ABI, qPCR plates

Part No.	Option	Color	Pack
PCRP-20IS	0.2ml 96-well	clear	10/box, 10boxes/case
PCRP-20IS-W	0.2ml 96-well	white	10/box, 10boxes/case



Full-skirt, qPCR plates

Part No.	Option	Color	Pack
PCRP-10FS	0.1ml 96-well	clear	10/box, 10box/case



0.2ml 8-Strip PCR Tubes, with Clear Cap (qPCR)

Part No.	Color	Pack
PCRS-20F	Clear Tubes	125/unit, 10units/case
PCRS-20F-W	White Tubes	125/unit, 10units/case



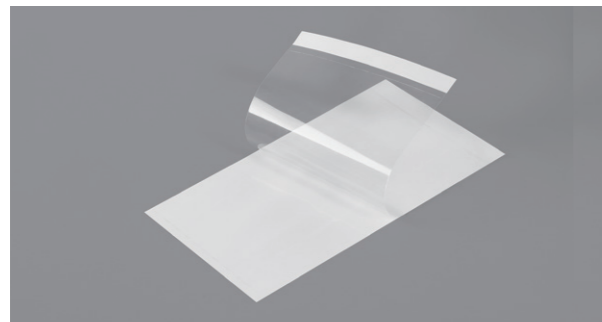
0.1ml 8-Strip PCR Tubes, with Clear Cap (qPCR)

Part No.	Color	Pack
PCRS-10F	clear tubes	125/unit, 10units/case
PCRS-10F-W	white tubes	125/unit, 10units/case



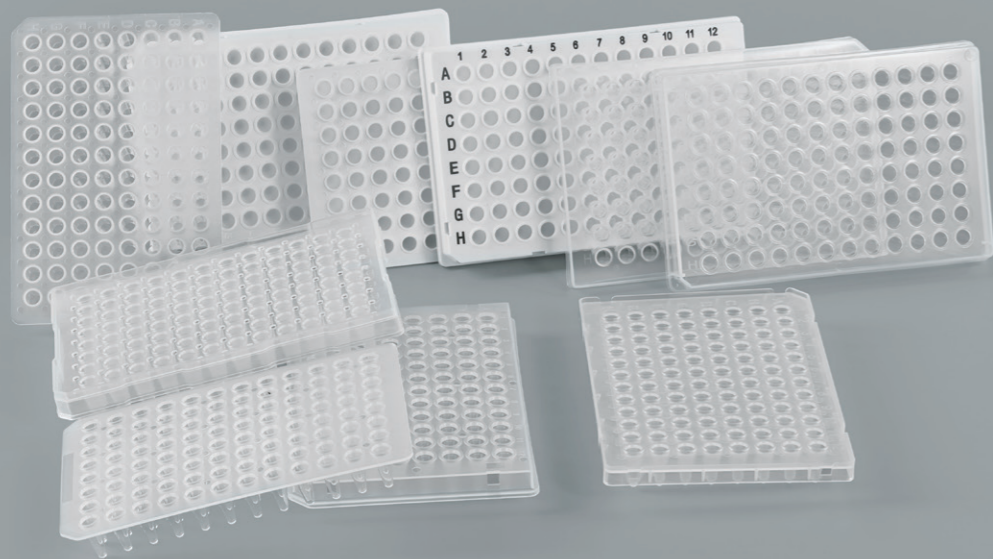
0.2ml PCR Tubes with Attached Flat Caps

Part No.	Color	Pack
PCRT-20F	clear tubes	1,000/unit, 10units/case



PCR sealing film (works for all kinds of plates), individual pack

Part No.	Color	Pack
PCRF-C	clear	100/unit



**PAKGENT®
COMPATIBILITY LIST**

PAKGENT® COMPATIBILITY LIST

**SAFER LAB,
LIGHTER,
EASIER TO HANDLE.**

CHAPTER 8 Centrifuge Tubes

All of our sterile centrifuge tubes are manufactured out of the highest grade resins and are certified to be RNase, DNase, DNA, pyrogen, and ATP free.

Polypropylene tubes are autoclavable to 120 °C at 15 P.S.I. for 15 minutes, and are freezable to -80 °C.

- 12,000g centrifuge force for 50mL & 15mL
- 25,000g centrifuge force for 1.5mL & 2.0mL micro centrifuge tube
- Leak-proof seals
- Racked & Bulk pack available
- Sterile is an option



50mL Centrifuge Tube, PP, conical bottom, screw cap, 12000g



Part No.	Package Type	Pack
CT50B	bulk pack	25/bag, 20bags/case
CT50R	rack pack	50/rack, 10racks/case

15mL Centrifuge Tube, PP, conical bottom, screw cap, 12000g



Part No.	Package Type	Pack
CT15B	bulk pack	25/bag, 20bags/case
CT15R	rack pack	50/rack, 10racks/case

Micro Centrifuge Tube, clear, graduated



Part No.	Volume	Package Type	Pack
MCT20	2.0ml	bulk pack	500/bag, 10bags/case
MCT15	1.5ml	bulk pack	500/bag, 10bags/case



CHAPTER 9

Screw Cap Tubes

- Self-standing bottom, O-ring is optional, Colorful caps available
- Recommend to use only in vapor-phased liquid nitrogen
- DNase RNase free, Pyrogen free
- Preassembled cap with tube is optional, sterile is optional.



0.5mL screw cap tube, self standing, with O-ring

Part No.	Cap	Pack
STSS-509CN	clear cap	500/bag, 10bags/case
STSS-509CR	red cap	500/bag, 10bags/case
STSS-509CB	blue cap	500/bag, 10bags/case
STSS-509CP	purple cap	500/bag, 10bags/case
STSS-509CY	yellow cap	500/bag, 10bags/case
STSS-509CG	green cap	500/bag, 10bags/case
STSS-509AM	amber tube and cap	500/bag, 10bags/case



1.5mL screw cap tube, self standing, with O-ring

Part No.	Cap	Pack
STSS-510CN	clear cap	500/bag, 10bags/case
STSS-510CR	red cap	500/bag, 10bags/case
STSS-510CB	blue cap	500/bag, 10bags/case
STSS-510CP	purple cap	500/bag, 10bags/case
STSS-510CY	yellow cap	500/bag, 10bags/case
STSS-510CG	green cap	500/bag, 10bags/case
STSS-510AM	amber tube and cap	500/bag, 10bags/case



2.0mL screw cap tube, self standing, with O-ring

Part No.	Cap	Pack
STSS-511CN	clear cap	500/bag, 10bags/case
STSS-511CR	red cap	500/bag, 10bags/case
STSS-511CB	blue cap	500/bag, 10bags/case
STSS-511CP	purple cap	500/bag, 10bags/case
STSS-511CY	yellow cap	500/bag, 10bags/case
STSS-511CG	green cap	500/bag, 10bags/case
STSS-511AM	amber tube and cap	500/bag, 10bags/case

Screw cap tube, self standing, with O-ring, clear, individual pack, sterile

Part No.	Volume	Pack
STSS-509CNS	0.5mL	500/bag, 10bags/case
STSS-510CNS	1.5mL	500/bag, 10bags/case
STSS-511CNS	2.0mL	500/bag, 10bags/case

CHAPTER 10 Cell Culture Elisa Plate

PakGent Bioscience supply culture flask with ergonomically designed for easy handle while achieving least contamination during cell culture operation.

Cell culture plates are widely used for handling multiple samples, and Culture Dishes are produced with high quality polymers for microscopy.

- Wide & short neck with angled design for easier access
- Alphanumeric identification
- Compliant with USP and ANSI guideline



Cell Culture Flask with Plug Cap, PS, TC treated, Sterile to SAL10-6

Part No.	Volume	Pack
CL-F025P	25cm ²	12/pack, 25packs/case
CL-F075P	75cm ²	5/pack, 18packs/case
CL-F175P	175cm ²	5/pack, 10packs/case



Cell Culture Plate, PS, 85.4x127.6mm, Flat Bottom, TC treated, Sterile

Part No.	Well	Package Type	Pack
CL-P006	6well	Individual pack	50/case
CL-P012	12well	Individual pack	50/case
CL-P024	24well	Individual pack	50/case
CL-P048	48well	Individual pack	50/case
CL-P096	96well	Individual pack,	50/case



Cell Culture Dish, PS, TC treated

Part No.	Diam	external grip	Pack
CL-D035	35mm	external grip	10/pack, 50packs/case
CL-D060	60mm	external grip	10/pack, 50packs/case
CL-D100	100mm	-	10/pack, 30packs/case

Elisa Plate



Part No.	Option	Detachable	Color	Binding	Pack
EP8HC	12×F8	Detachable	clear	high binding	10/bag, 10bags/case
EP8MC	12×F8	Detachable	clear	medium binding	10/bag, 10bags/case

Elisa Plate



Part No.	Option	Detachable	Color	Binding	Pack
EP12HC	8×F12	Detachable	clear	high binding	10/bag, 10bags/case
EP12MC	8×F12	Detachable	clear	medium binding	10/bag, 10bags/case

CHAPTER 11

Package Bottles

PakGent packaging Bottles are ideal for specialty chemicals, diagnostics, biologicals, reagents, adhesives and veterinary pharmaceuticals.

HDPE packaging bottles are excellent for storage, shipping and packaging of liquid reagents.

- Lab Quality Wide-Mouth and Narrow-Mouth Bottles
- Linerless caps provide the ultimate in leakproof protection
- Ideal for storing, shipping and packaging liquids
- HDPE/LDPE/PP bottles available

DIANOSTIC BOTTLE available with 8ml and 15ml

PACKAGING BOTTLE available with 30ml/60ml/125ml/250ml/500ml/1000mL

Natural and amber are available

Leakage test: vacuum, 95KPA 30mins



Wide mouth, natural

Part No.	Capacity, mL (oz.)	No. per Case
WMPB008	8ml	1500
WMPB015	15ml	1200
WMPB030	30ml	500
WMPB060	60ml	500
WMPB125	125ml	500
WMPB250	250ml	250
WMPB500	500ml	125
WMPB1000	1000ml	50



Wide mouth, amber

Part No.	Capacity, mL (oz.)	No. per Case
WMPB008A	8ml	1500
WMPB015A	15ml	1200
WMPB030A	30ml	500
WMPB060A	60ml	500
WMPB125A	125ml	500
WMPB250A	250ml	250
WMPB500A	500ml	125
WMPB1000A	1000ml	50



Narrow mouth, natural

Part No.	Capacity, mL (oz.)	No. per Case
NMPB030	30ml	500
NMPB060	60ml	500
NMPB125	125ml	500
NMPB250	250ml	250
NMPB500	500ml	125
NMPB1000	1000ml	50



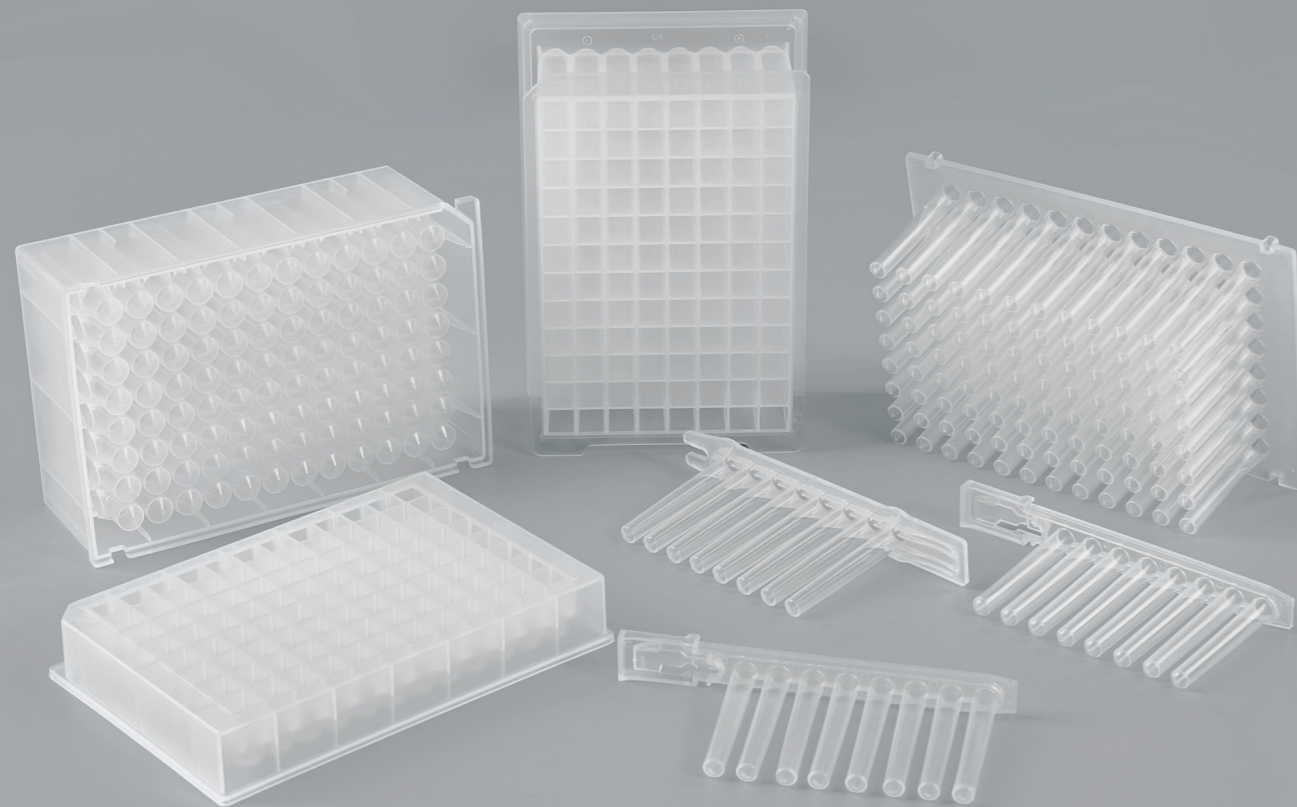
Narrow mouth, amber

Part No.	Capacity, mL (oz.)	No. per Case
NMPB030A	30ml	500
NMPB060A	60ml	500
NMPB125A	125ml	500
NMPB250A	250ml	250
NMPB500A	500ml	125
NMPB1000A	1000ml	50

CHAPTER 12 Deep Well Plate

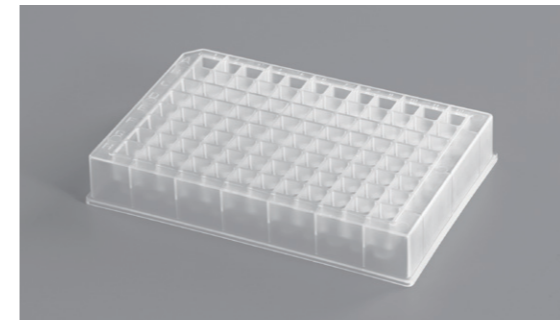
PakGent Bioscience manufactures all deep well plates and tip combo with medical grade polypropylene PP material, high chemical stability, sterile is an option.

8-strip tip combo has independent cap which is connected to achieve consistency. High transparency and thin wall design gives high thermal conductivity thus to achieve the target temperature with efficiency.



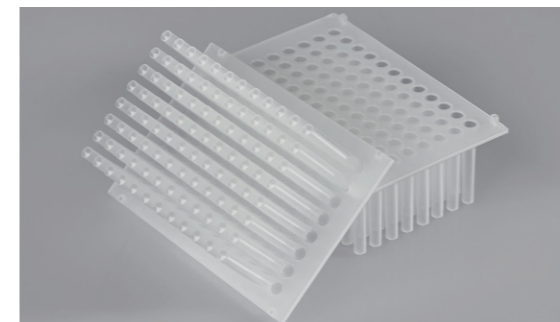
2.2 ml deep 96 well plate

Part No.	Bottom	Pack
DWPR20U	round well U bottom	10/bag, 10bags/case
DWPR20V	round well V bottom	10/bag, 10bags/case



0.9ml 96 well plate

Part No.	Bottom	Pack
DWPS09V	square well V bottom	10/bag, 10bags/case



96 Well Plate Combo

Part No.	Description	Pack
DWPC96	Kingfisher plate combo	10/bag, 10bags/case



2.0ml deep well I-plate

Part No.	Bottom	Pack
DWPS20U	square well U bottom	10/bag, 10bags/case



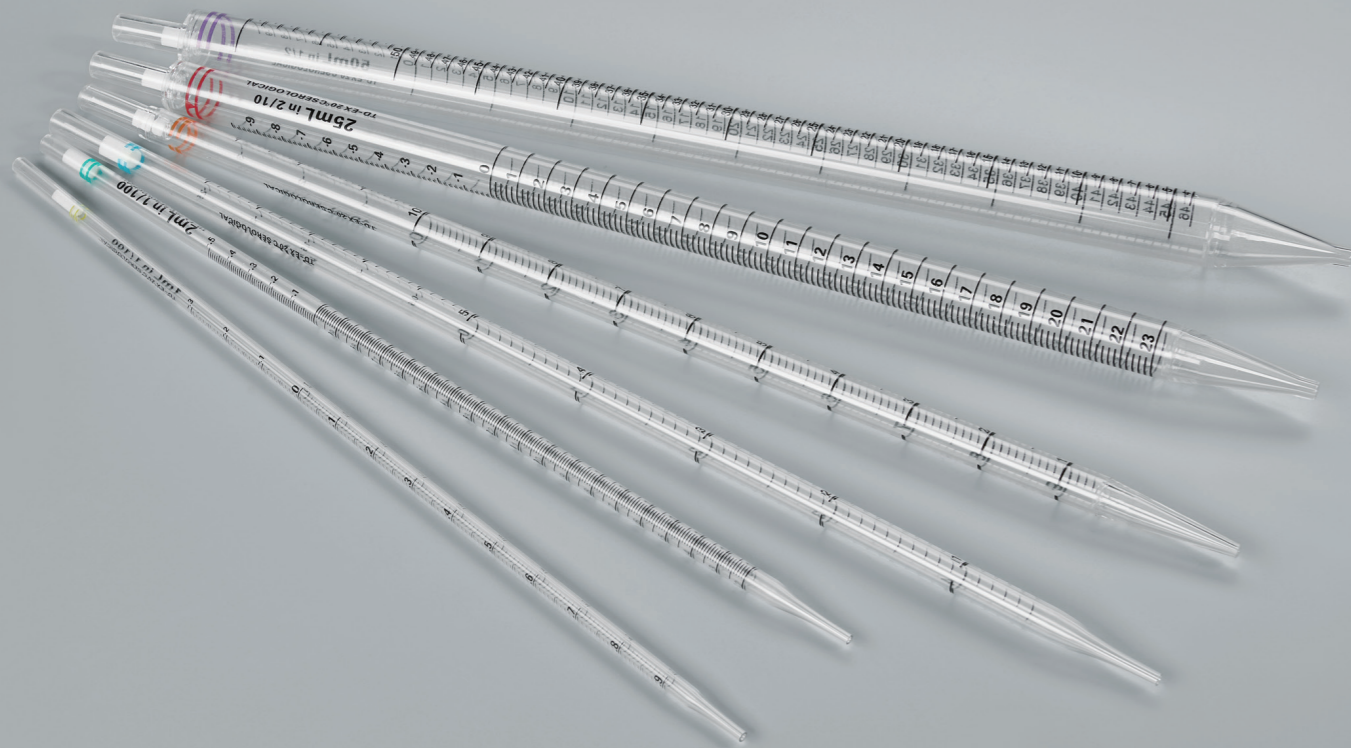
8 strip tip Combo

Part No.	Bottom	Cap	Pack
DWPC8V	V bottom	-	10/bag, 10bags/case
DWPC8VC	V bottom	with snap cap	10/bag, 10bags/case
DWPC8RC	U bottom	with snap cap	10/bag, 10bags/case

CHAPTER 13 Serological Pipette

PakGent Bioscience offers serological pipette in six different volumes, available in individual pack and bulk pack, with general color code for each volume.

All of our serological pipettes are manufactured out of the highest grade resins and are certified to be RNase, DNase, DNA, pyrogen, and ATP free.



1ml Serological Pipette, PS, Sterile



Part No.	Package Type	Pack
SPTS01	Individual pack	10/bag, 10bags/case
SPTB01	bulk pack	10/bag, 10bags/case

2ml Serological Pipette, PS, Sterile



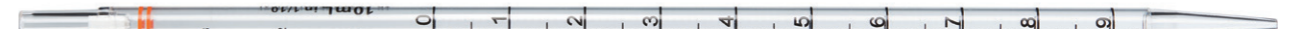
Part No.	Package Type	Pack
SPTS02	Individual pack	10/bag, 10bags/case
SPTB02	bulk pack	10/bag, 10bags/case

5ml Serological Pipette, PS, Sterile



Part No.	Package Type	Pack
SPTS05	Individual pack	10/bag, 10bags/case
SPTB05	bulk pack	10/bag, 10bags/case

10ml Serological Pipette, PS, Sterile



Part No.	Package Type	Pack
SPTS10	Individual pack	10/bag, 10bags/case
SPTB10	bulk pack	10/bag, 10bags/case

25ml Serological Pipette, PS, Sterile



Part No.	Package Type	Pack
SPTS25	Individual pack	10/bag, 10bags/case
SPTB25	bulk pack	10/bag, 10bags/case

50ml Serological Pipette, PS, Sterile



Part No.	Package Type	Pack
SPTS50	Individual pack	10/bag, 10bags/case
SPTB50	bulk pack	10/bag, 10bags/case

Product Certification Protocols

We hereby certify that our products are free from the contaminants listed below. All of our racked product is assembled under 100,000 class clean room conditions, with third party certification for it. And human hands have never touched our tips/tubes without gloves until the products reach your hands, further ensuring that the products you receive are free from the certified contaminants.

Typical Testing Protocols for Sterile Products Used In Product Certification

DNase and RNase Detection

Pyrogen Detection

Sensitivity is 0.05 EU/ml.

Bioburden

PCR* Inhibition

Product Sterilization

Those products designated as pre-sterilized are irradiated by Gamma or Electron Beam.

Typical Test Protocols for Non-sterile Products Used In Product Certification

DNase and RNase Detection

Pyrogen Detection

Sensitivity is 0.06 EU/ml.

PP	Polyethylene	-
PS	Polyethylene	-
HDPE	Polyethylene	High Density
LDPE	Polyethylene	Low Density

Technical Information

Here are some technical information based on their physical and chemical characters, are merely recommendation, should be considered as general guideline only. No guarantees of performance, as many factors can affect the chemical resistance and performance of various resins.

Users should be guided by their own tests under conditions equivalent to or representative of those to which a particular product would be subjected.

Physical Properties of Resin (Reference Only)								
Resin	Transparency	Sterilization Method			Max Use Temp. °C	Brittleness Temp. °C	Metal Content 4	Recycle Code
		Autoclavable 1	Radiation 2	Chemical 3				
PP	Translucent	Yes	Yes	Yes	140	0	None	5
PS	Transparent	No	Yes	No	90	20	None	6
HDPE	Translucent	No	Yes	Yes	120	-100	None	2
LDPE	Translucent	No	Yes	Yes	80	-100	None	4

Recommended Autoclave Procedure

120 °C for 15 minutes at 15 P.S.I.

Radiation Sterilization

Gamma/Electron Beam Irradiation.

Chemical Disinfectants

Generally the four resins listed above can be subjected to the most commonly used disinfectants.

Note : Chemically aggressive disinfectants used for a prolonged period may cause surface degradation with polystyrene such as crazing.

Metal Content

All Materials used in the manufacture of our products are free of trace metals.

Technical Information

Chemical Resistance Summary (Reference Only)				
Classifications	A - No damage after 30 days of constant exposure B - Little to no damage after 30 days of constant exposure C - Some effect after 7 days of constant exposure D - Not recommended for continuous use			
	Substance Temp	Resin		
20 °C (68 °F)	PP	PS	HDPE	LDPE
Acids (Organic)	A	A	A	A
Acids (Inorganic)	A	C	A	A
Alcohols	A	A	A	A
Aldehydes	B	D	B	B
Bases	A	A	A	A
Esters	B	D	B	B
Hydrocarbons (aliphatic)	B	D	B	C
Hydrocarbons (aromatic)	C	D	B	C
Hydrocarbons (halogenated)	C	D	C	D
Ketones	B	D	B	B
Phenol (crystals)	B	D	B	B
Phenol (liquid)	D	C	D	D