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SAVE EVERY DROP OF
PRECIOUS REAGENT FOR YOU.

 **PAKGENT BIOSCIENCE**



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
 ODM from Mold Design & Building through Injection cycle till finished product

50,000
 R&D + production + storage

cGMP
 Compliant

ISO 7 & 8
 Class Clean Room

CE
 Certification

FDA
 Certification

ISO9001
 Certification

ISO13485
 Certification



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SAVE EVERY DROP OF
PRECIOUS REAGENT FOR YOU.

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CHAPTER 1

Introduction to Cell Culture Consumable

- Cell Culture Fask
- Cell Culture Plate
- Cell Culture Dish
- Cell Factory
- Erlenmeyer Flask
- Square Media Bottle



Cleanliness Control

- ISO Class 7 clean room (10,000 class)
- Pioneering the layout of human-machine physical isolation (isolation between injection molding area and processing area) to achieve controllable external pollutants.
- Breakthrough configuration of key workstation visual and functional automatic detection, achieving 100% online product testing. At the same time, no human contact with the product.
- Full process automation production line design, sampling of world-class components, ensuring the stability and repeatability of the production line while achieving no human contact with the product throughout the entire process.
- We have our own BSL-2 biological laboratory, which regularly tests the production environment and RNase/DNA, human DNA, ATP, and pyrogen, performs data analysis, and controls of the biological cleanliness results of finish products in their best.

Quality Control

- The products are certified to be free of RNase, DNase, human DNA, ATP, pyrogen
- ISO 13485: 2016 quality control system.
- The material meets the requirements of USP Class VI.
- Irradiation sterilization, with a sterility level of SAL 10⁻⁶.
- Pure physical processing, WYSIWYG, ensures the biological safety of the product.
- Registered abroad as in vitro diagnostic consumable.

Summary of Validation

Resin Information

Resin complies with the requirements of the USP Class VI Criteria. Validated and tested reference to Pharmaceutical Packaging Material Standard.

Production Process

Fully automatic production process. During the production process, the chamber will not contact with human hands.

Surface Treatment

Surface treatment improves cell attachment by incorporating significantly more oxygen into the surface of cell culture, rendering it more hydrophilic (wettable) and increasing surface stability.

Cell Culture

Cell growth test: 293T, L929, MRC05, V79, Chicken Embryo Cells.

Environment

The environment compliance with ISO class 7 (10,000 class) requirements.

Aging Test

After 90 days accelerated aging test, the production still meet the requirements of cell culture.

Packaging

Test according to ISO 2248: 1985.

Sterile

Carry out irradiation dose verification according to ISO 11137, and ensure product sterility level at SAL 10⁻⁶.

CHAPTER 2

Cell Culture Flask

- Four culture specifications are available: 25cm², 75cm², 175cm², 225cm².
- PS material, providing adherent cell culture surface treatment and suspended cell culture surface.
- The ergonomic bottleneck angle and large opening make it easy for the pipette or cell scraper to touch the growth surface.
- The raised outer edge of the cell culture flask cover ensures the stable stacking of cell culture bottles during transportation.
- Excellent transparency and flatness. The inclined side wall design is more suitable for microscope observation.



25cm² Cell Culture Flask, PS, Sterile

Part No.	Growth Area (cm ²)	Volume (ml)	Recommended Working Vol. (ml)	TC	Cap	Pack
CL-F025P	25	50	5-7.5	x	plug	10 pcs/bag, 20 bags/case
CL-FT025P	25	50	5-7.5	corona	plug	10 pcs/bag, 20 bags/case
CL-F025V	25	50	5-7.5	x	vert	10 pcs/bag, 20 bags/case
CL-FT025V	25	50	5-7.5	corona	vert	10 pcs/bag, 20 bags/case
CL-FTP025V	25	50	5-7.5	plasma	vert	10 pcs/bag, 20 bags/case



75cm² Cell Culture Flask, PS, Sterile

Part No.	Growth Area (cm ²)	Volume (ml)	Recommended Working Vol. (ml)	TC	Cap	Pack
CL-F075P	75	250	15-22.5	x	plug	5 pcs/bag, 20 bags/case
CL-FT075P	75	250	15-22.5	corona	plug	5 pcs/bag, 20 bags/case
CL-F075V	75	250	15-22.5	x	vert	5 pcs/bag, 20 bags/case
CL-FT075V	75	250	15-22.5	corona	vert	5 pcs/bag, 20 bags/case
CL-FTP075V	75	250	15-22.5	plasma	vert	5 pcs/bag, 20 bags/case



175cm² Cell Culture Flask, PS, Sterile

Part No.	Growth Area (cm ²)	Volume (ml)	Recommended Working Vol. (ml)	TC	Cap	Pack
CL-F175P	175	600	35-52.5	x	plug	5 pcs/bag, 6 bags/case
CL-FT175P	175	600	35-52.5	corona	plug	5 pcs/bag, 6 bags/case
CL-F175V	175	600	35-52.5	x	vert	5 pcs/bag, 6 bags/case
CL-FT175V	175	600	35-52.5	corona	vert	5 pcs/bag, 6 bags/case
CL-FTP175V	175	600	35-52.5	plasma	vert	5 pcs/bag, 6 bags/case



225cm² Cell Culture Flask, PS, Sterile

Part No.	Growth Area (cm ²)	Volume (ml)	Recommended Working Vol. (ml)	TC	Cap	Pack
CL-F225P	225	900	60-90	x	plug	5 pcs/bag, 5 bags/case
CL-FT225P	225	900	60-90	corona	plug	5 pcs/bag, 5 bags/case
CL-F225V	225	900	60-90	x	vert	5 pcs/bag, 5 bags/case
CL-FT225V	225	900	60-90	corona	vert	5 pcs/bag, 5 bags/case
CL-FTP225V	225	900	60-90	plasma	vert	5 pcs/bag, 5 bags/case

CHAPTER 3

Cell Culture Plate

- Five kinds of well are available: 6 well / 12 well / 24 well / 48 well / 96 well.
- Adherent cell culture and suspended cell culture are available.
- The opening design with raised hole edge is convenient for safe operation of cells.
- Excellent transparency and flatness, more suitable for microscope observation.
- Alphanumeric well identification code.
- Vent cover for gas exchange.
- The side-trunked design makes it easy to wear gloves and grasp.
- The hollow area around the well is a low volatility zone, which can reduce the evaporation of liquid in the hole.



6 Well Cell Culture Plate, PS, Flat Bottom, Individual Pack, Sterile

Part No.	Well	Culture Area of a Single Well (cm ²)	Recommended Working Volume of a Single Well (ml)	TC	Pack
CL-P006	6	10.15	1.9-2.9	×	100pcs/case
CL-PT006	6	10.15	1.9-2.9	√	100pcs/case



12 Well Cell Culture Plate, PS, Flat Bottom, Individual Pack, Sterile

Part No.	Well	Culture Area of a Single Well (cm ²)	Recommended Working Volume of a Single Well (ml)	TC	Pack
CL-P012	12	3.51	0.69-1.1	×	100pcs/case
CL-PT012	12	3.51	0.69-1.1	√	100pcs/case



24 Well Cell Culture Plate, PS, Flat Bottom, Individual Pack, Sterile

Part No.	Well	Culture Area of a Single Well (cm ²)	Recommended Working Volume of a Single Well (ml)	TC	Pack
CL-P024	24	1.92	0.37-0.56	×	100pcs/case
CL-PT024	24	1.92	0.37-0.56	√	100pcs/case



48 Well Cell Culture Plate, PS, Flat Bottom, Individual Pack, Sterile

Part No.	Well	Culture Area of a Single Well (cm ²)	Recommended Working Volume of a Single Well (ml)	TC	Pack
CL-P048	48	1.11	0.25-0.38	×	100pcs/case
CL-PT048	48	1.11	0.25-0.38	√	100pcs/case



96 Well Cell Culture Plate, PS, Flat Bottom, Individual Pack, Sterile

Part No.	Well	Culture Area of a Single Well (cm ²)	Recommended Working Volume of a Single Well (ml)	TC	Pack
CL-P096	96	0.31	0.077-0.21	×	100pcs/case
CL-PT096	96	0.31	0.077-0.21	√	100pcs/case

CHAPTER 4

Culture Dish

- Four specifications are available: 35 mm, 60 mm, 100 mm and 150 mm.
- Adherent cell culture and suspended cell culture are available.
- The raised outer edge of the dish cover ensures the stable stacking during transportation.
- Excellent transparency and flatness, more suitable for microscope observation.
- The bottom of the dish is marked to facilitate the localization of cells under the microscope.
- The hand-held ring design makes it easy to wear gloves and grasp.



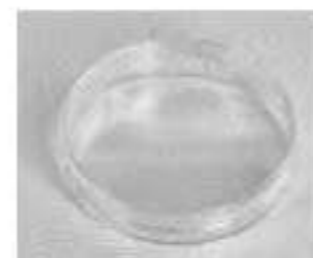
35mm Cell Culture Dish, PS, Sterile

Part No.	Dimension	Culture Area (cm ²)	Recommended Working Volume (ml)	TC	Pack
CL-D035	35*10mm	8.9	2.1-3.7	×	20 pcs/bag, 25 bags/case
CL-DT035	35*10mm	8.9	2.1-3.7	√	20 pcs/bag, 25 bags/case



60mm Cell Culture Dish, PS, Sterile

Part No.	Dimension	Culture Area (cm ²)	Recommended Working Volume (ml)	TC	Pack
CL-D060	60*15mm	21.3	4.0-7.0	×	10 pcs/bag, 50 bags/case
CL-DT060	60*15mm	21.3	4.0-7.0	√	10 pcs/bag, 50 bags/case



100mm Cell Culture Dish, PS, Sterile

Part No.	Dimension	Culture Area (cm ²)	Recommended Working Volume (ml)	TC	Pack
CL-D100	100*20mm	57.2	11.3-18.8	×	10 pcs/bag, 30 bags/case
CL-DT100	100*20mm	57.2	11.3-18.8	√	10 pcs/bag, 30 bags/case



150mm Cell Culture Dish, PS, Sterile

Part No.	Dimension	Culture Area (cm ²)	Recommended Working Volume (ml)	TC	Pack
CL-D150	150*20mm	143.7	25.1-50.3	×	5 pcs/bag, 20 bags/case
CL-DT150	150*20mm	143.7	25.1-50.3	√	5 pcs/bag, 20 bags/case

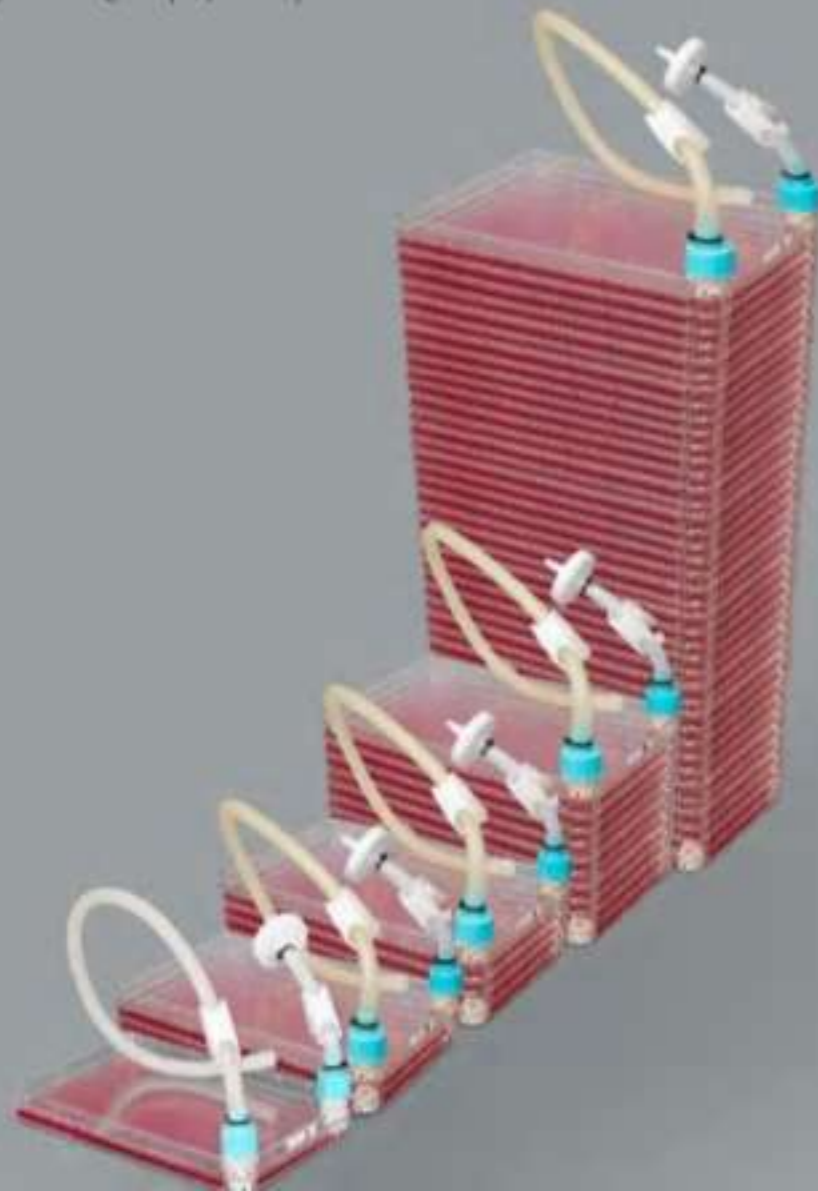


Petri Dish, PS

Part No.	Dimension	Pack
PD35	35*15mm	10 pcs/bag, 230 bags/case
PD60	60*15mm	20 pcs/bag, 50 bags/case
PD90	90*15mm	20 pcs/bag, 25 bags/case
PD100	100*15mm	10 pcs/bag, 32 bags/case
PD150	150*15mm	10 pcs/bag, 16 bags/case

CHAPTER 5 Cell Factory

- PakGent cell factory is suitable for the production of human and animal vaccines, therapeutic proteins, cell therapy and gene therapy products.
- PakGent Cell Factory offers standard large port cell factory systems. It is convenient for customers to seamlessly switch between manual BBI operations and large-scale closed production. The standard large port cell factory adopts a large port design, which facilitates rapid perfusion, mixing and balancing of liquids, and also provides better ventilation conditions for cell culture.



1 Layer, Sterile

Part No.	Layer	Dimension	Cell Culture Area	TC	Pack
CL-MC01	1	335*205*36mm	632cm ²	√	6 pcs/case



2 Layer, Sterile

Part No.	Layer	Dimension	Cell Culture Area	TC	Pack
CL-MC02	2	335*205*53mm	1264cm ²	√	6 pcs/case



4 Layer, Sterile

Part No.	Layer	Dimension	Cell Culture Area	TC	Pack
CL-MC04	4	335*205*87mm	2526cm ²	√	6 pcs/case



10 Layer, Sterile

Part No.	Layer	Dimension	Cell Culture Area	TC	Pack
CL-MC10	10	335*205*189mm	6316cm ²	√	6 pcs/case



40 Layer, Sterile

Part No.	Layer	Dimension	Cell Culture Area	TC	Pack
CL-MC40	40	335*205*698mm	25265cm ²	√	2 pcs/case

CHAPTER 6

Erlenmeyer Flask & Square Media Bottle

- The Erlenmeyer Flask is made of medical grade PETG/PC material, which meets FDA requirement.
- Bottle plug/vent cap optional, flat/baffle optional.
- The product uses individual, vacuum packaging, easy to use, avoid cross contamination.
- The bottle body is seamless and one-time forming to avoid surface nodules or cell break.
- The size of the bottle mouth complies to the standard design and is suitable for the quick connection of the microware.
- Square Media Bottle PET/PETG material optional, withstand low temperature (PET: -40°C, PETG: -70°C) store.



Erlenmeyer Flask, Flat Bottom, Sterile

Part No.	Volume	Material	Cap	Pack
EFC-125P	125ml	PC	Plug Cap	24 pcs/case
EFC-250P	250ml	PC	Plug Cap	12 pcs/case
EFC-500P	500ml	PC	Plug Cap	12 pcs/case
EFC-1000P	1000ml	PC	Plug Cap	6 pcs/case
EFC-125V	125ml	PC	Vent Cap	24 pcs/case
EFC-250V	250ml	PC	Vent Cap	12 pcs/case
EFC-500V	500ml	PC	Vent Cap	12 pcs/case
EFC-1000V	1000ml	PC	Vent Cap	6 pcs/case
EFG-125P	125ml	PETG	Plug Cap	24 pcs/case
EFG-250P	250ml	PETG	Plug Cap	12 pcs/case
EFG-500P	500ml	PETG	Plug Cap	12 pcs/case
EFG-1000P	1000ml	PETG	Plug Cap	6 pcs/case
EFG-125V	125ml	PETG	Vent Cap	24 pcs/case
EFG-250V	250ml	PETG	Vent Cap	12 pcs/case
EFG-500V	500ml	PETG	Vent Cap	12 pcs/case
EFG-1000V	1000ml	PETG	Vent Cap	6 pcs/case



Erlenmeyer Flask, Baffled Bottom, Sterile

Part No.	Volume	Material	Cap	Pack
EFBC-125P	125ml	PC	Plug Cap	24 pcs/case
EFBC-250P	250ml	PC	Plug Cap	12 pcs/case
EFBC-500P	500ml	PC	Plug Cap	12 pcs/case
EFBC-1000P	1000ml	PC	Plug Cap	6 pcs/case
EFBC-125V	125ml	PC	Vent Cap	24 pcs/case
EFBC-250V	250ml	PC	Vent Cap	12 pcs/case
EFBC-500V	500ml	PC	Vent Cap	12 pcs/case
EFBC-1000V	1000ml	PC	Vent Cap	6 pcs/case



Square Media Bottle, Sterile

Part No.	Volume	Material	Pack
SMB030T	30ml	PET	40 pcs/bag, 7 bags/case
SMB060T	60ml	PET	40 pcs/bag, 5 bags/case
SMB125T	125ml	PET	24 pcs/bag, 4 bags/case
SMB250T	250ml	PET	30 pcs/bag, 2 bags/case
SMB500T	500ml	PET	20 pcs/bag, 2 bags/case
SMB1000T	1000ml	PET	12 pcs/bag, 2 bags/case
SMB030G	30ml	PETG	40 pcs/bag, 7 bags/case
SMB060G	60ml	PETG	40 pcs/bag, 5 bags/case
SMB125G	125ml	PETG	24 pcs/bag, 4 bags/case
SMB250G	250ml	PETG	30 pcs/bag, 2 bags/case
SMB500G	500ml	PETG	20 pcs/bag, 2 bags/case
SMB1000G	1000ml	PETG	12 pcs/bag, 2 bags/case



CHAPTER 7

Other Culture Consumable

- Cell Strainer
- Cell Scraper
- Cell Lifter
- Inoculating Loop
- Inoculating Needle
- Cell Spreader



Cell Strainer, Nylon Mesh, Individual Pack, Sterile

Part No.	Specification	Pack
DCS-40A	40µm	100pcs/case
DCS-70A	70µm	100pcs/case
DCS-100A	100µm	100pcs/case



Cell Scraper & Cell Lifter, PE, Individual Pack, Sterile

Part No.	Classification	Specification	Pack
DCS180	Cell Scraper	180*18mm	100pcs/case
DCS250	Cell Scraper	250*18mm	200pcs/case
DCL180	Cell Lifter	180*20mm	100pcs/case



Inoculating Loop and Needle, PS, Sterile

Part No.	Classification	Specification	Pack
DI-L1	Inoculating Loop	1µl	20pcs/bag, 100bags/box, 2boxes/case
DI-L10	Inoculating Loop	10µl	20pcs/bag, 100bags/box, 2boxes/case
DI-N	Inoculating Needle	-	20pcs/bag, 100bags/box, 2boxes/case



Cell Spreader, PP, Individual Pack, Sterile

Part No.	Specification	Dimension	Pack
DCS148-L	L-shaped	149*40mm	100pcs/box, 10boxes/case
DCS215-TS	triangle-shaped	215*30mm	100pcs/box, 10boxes/case
DCS240-TS	triangle-shaped	240*60mm	100pcs/box, 10boxes/case
DCS140-T	T-shaped	140*35mm	400pcs/box, 10boxes/case

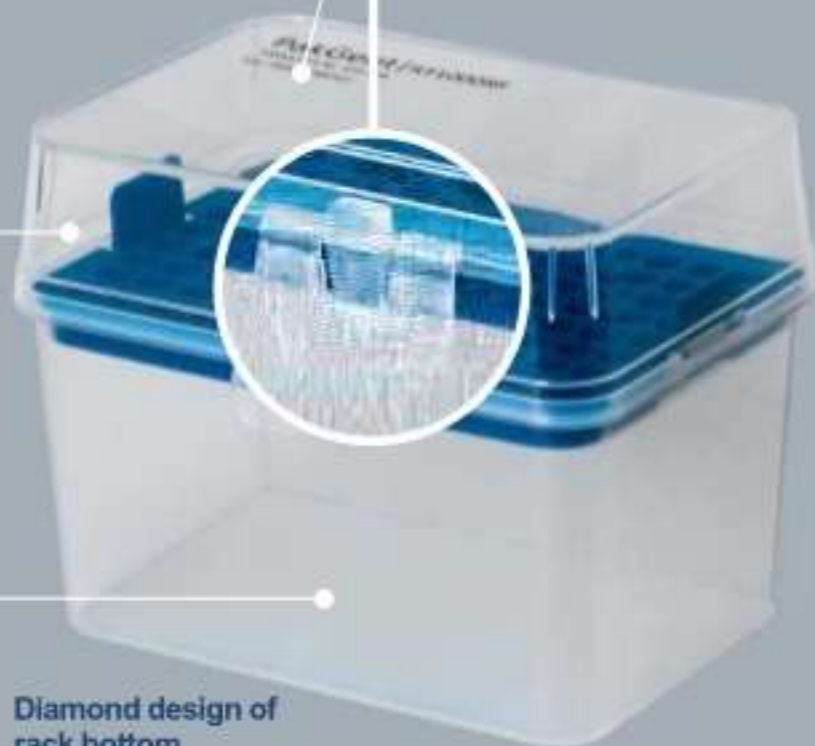
CHAPTER 8 Introduction

- 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

Pipette 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.

Low Retention Tips

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

Robotic Tips

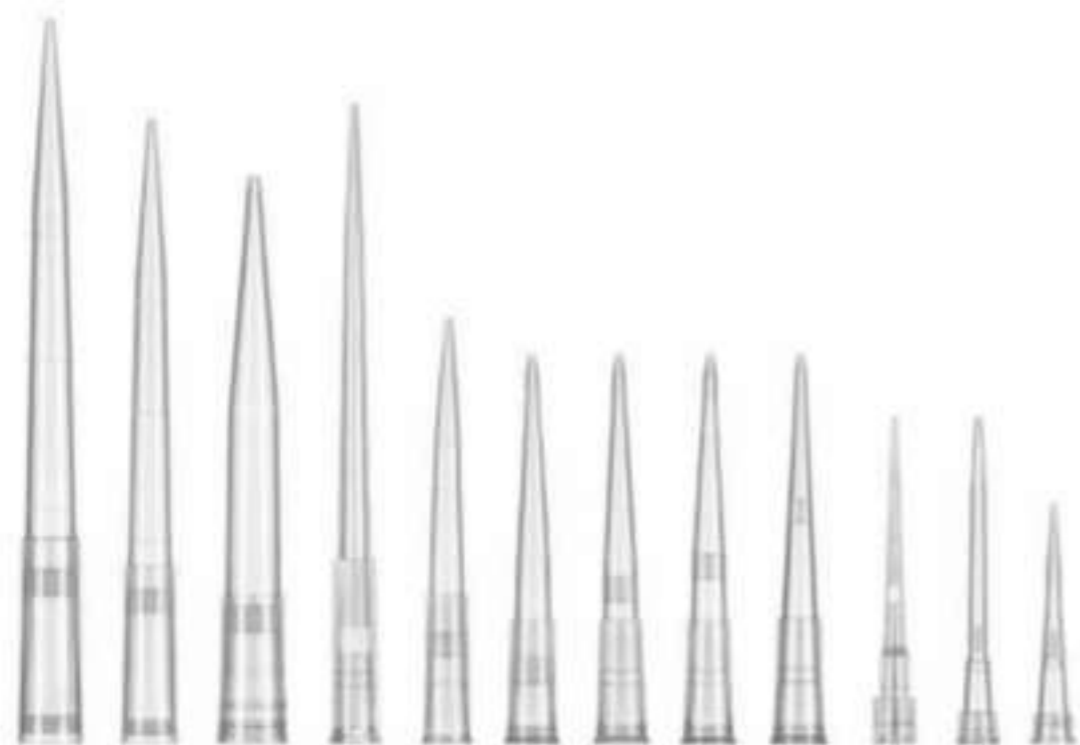
Manufactured with 100% virgin polypropylene, and the racks are designed to endure the applied pressures of automated workstations.

Certified Pipette 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 9

Pipette Tip



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

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)



78mm 1000uL standard blue



88mm 1000uL (medium)



For some specific application

102mm 1,000uL extra long (so called, 1,250uL) blue



Long enough to give 1,250uL max volume

10uL, DNase/RNase free, 32mm



Part NO.	Volume	With Filter	Sterile	Package Type	Pack
UFPT-10R	0.1-10 ul	-	Yes	rack pack	96/rack, 50racks/case
UFPT-F-10	0.1-10 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-REF-10	0.1-10 ul	-	Yes	refill pack	96/rack, 10racks/unit, 10units/case
UFPT-10B	0.1-10 ul	-	-	bulk pack	1,000/bag, 40bags/case
UFPT-F-10B	0.1-10 ul	Yes	-	bulk pack	1,000/bag, 40bags/case

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



Part NO.	Volume	With Filter	Sterile	Package Type	Pack
UFPT-10ER	0.1-20 ul	-	Yes	rack pack	96/rack, 50racks/case
UFPT-F-10E	0.1-20 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-10EB	0.1-20 ul	-	-	bulk pack	1,000/bag, 40bags/case
UFPT-F-10EB	0.1-20 ul	Yes	-	bulk pack	1,000/bag, 40bags/case

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



Part NO.	Volume	With Filter	Sterile	Package Type	Pack
UFPT-10ETR	0.1-20 ul	-	Yes	rack pack	96/rack, 50racks/case
UFPT-F-10ET	0.1-20 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-REF-10ET	0.1-20 ul	-	Yes	refill pack	96/rack, 9racks/unit, 10units/case
UFPT-10ETB	0.1-20 ul	-	-	bulk pack	1,000/bag, 40bags/case
UFPT-F-10ETB	0.1-20 ul	Yes	-	bulk pack	1,000/bag, 40bags/case

200uL standard, bevelled, DNase/RNase free, yellow, 51mm



Part NO.	Volume	With Filter	Sterile	Package Type	Pack
UFPT-200R	1-200 ul	-	Yes	rack pack	96/rack, 50racks/case
UFPT-F-20	1-20 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-REF-200	1-200 ul	-	Yes	refill pack	96/rack, 12racks/unit, 10units/case
UFPT-200B	1-200 ul	-	-	bulk pack	1,000/bag, 20bags/case
UFPT-F-20B	1-20 ul	Yes	-	bulk pack	1,000/bag, 20bags/case

200uL standard wide, Bevelled, DNase/RNase free, 51mm



Part NO.	Volume	With Filter	Sterile	Package Type	Pack
UFPT-F-50	1-50 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-F-100	1-100 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-F-200	1-200 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-F-50B	1-50 ul	Yes	-	bulk pack	1,000/bag, 20bags/case
UFPT-F-100B	1-100 ul	Yes	-	bulk pack	1,000/bag, 20bags/case
UFPT-F-200B	1-200 ul	Yes	-	bulk pack	1,000/bag, 20bags/case

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



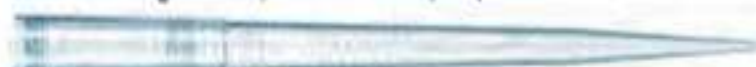
Part NO.	Volume	With Filter	Sterile	Package Type	Pack
UFPT-200ER	1-300 ul	-	Yes	rack pack	96/rack, 50racks/case
UFPT-F-100E	1-150 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-F-200E	1-300 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-REF-200E	1-300 ul	-	Yes	refill pack	96/rack, 10racks/unit, 10units/case
UFPT-200EB	1-300 ul	-	-	bulk pack	1,000/bag, 20bags/case
UFPT-F-200EB	1-300 ul	Yes	-	bulk pack	1,000/bag, 20bags/case

1000uL standard, DNase/RNase free, blue, 75mm



Part NO.	Volume	With Filter	Sterile	Package Type	Pack
UFPT-1000R	100-1,000 ul	-	Yes	rack pack	96/rack, 50racks/case
UFPT-F-1000	100-1,000 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-1000B	100-1,000 ul	-	-	bulk pack	1,000/bag, 10bags/case
UFPT-F-1000B	100-1,000 ul	Yes	-	bulk pack	1,000/bag, 10bags/case

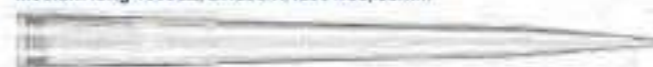
1000uL extra long or 1250uL, DNase/RNase free, blue, 102mm



Part NO.	Volume	With Filter	Sterile	Package Type	Pack
UFPT-1000ER	100-1,200 ul	-	Yes	rack pack	96/rack, 50racks/case
UFPT-F-1000E	100-1,000 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-REF-1000E	100-1,200 ul	-	Yes	refill pack	96/rack, 10racks/unit, 10units/case
UFPT-1000EB	100-1,200 ul	-	-	bulk pack	1,000/bag, 10bags/case
UFPT-F-1000EB	100-1,000 ul	Yes	-	bulk pack	1,000/bag, 10bags/case

Some specific application

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

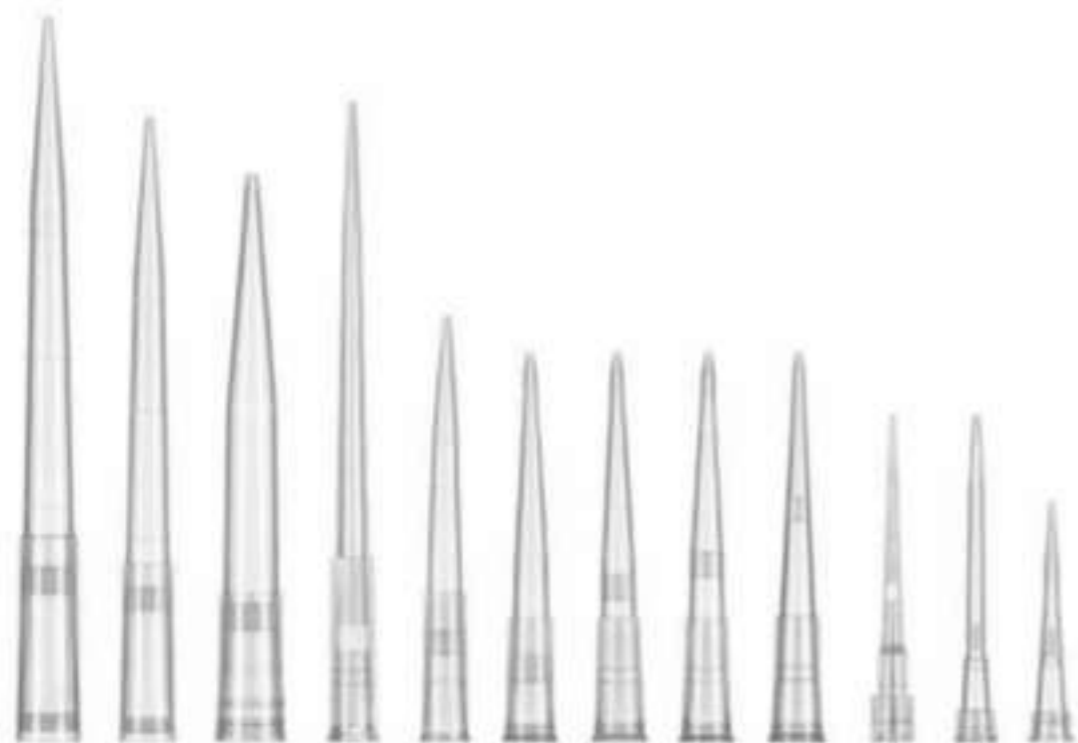


Part NO.	Volume	With Filter	Sterile	Package Type	Pack
UFPT-1000MR	100-1,000 ul	-	Yes	rack pack	96/rack, 50racks/case
UFPT-F-1000M	100-1,000 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-1000MB	100-1,000 ul	-	-	bulk pack	1,000/bag, 10bags/case
UFPT-F-1000MB	100-1,000 ul	Yes	-	bulk pack	1,000/bag, 10bags/case



CHAPTER **10**

Low Retention Pipette Tip



Low Retention pipette 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 pipette 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.



10uL, DNase/RNase free, low retention, 32mm



Part NO.	Volume	With Filter	Sterile	Package Type	Pack
UFPT-10R-L	0.1-10 ul	-	Yes	rack pack	96/rack, 50racks/case
UFPT-F-10-L	0.1-10 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-REF-10-L	0.1-10 ul	-	Yes	refill pack	96/rack, 10racks/unit, 10units/case
UFPT-10B-L	0.1-10 ul	-	-	bulk pack	1,000/bag, 40bags/case
UFPT-F-10B-L	0.1-10 ul	Yes	-	bulk pack	1,000/bag, 40bags/case

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



Part NO.	Volume	With Filter	Sterile	Package Type	Pack
UFPT-10ER-L	0.1-20 ul	-	Yes	rack pack	96/rack, 50racks/case
UFPT-F-10E-L	0.1-20 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-10EB-L	0.1-20 ul	-	-	bulk pack	1,000/bag, 40bags/case
UFPT-F-10EB-L	0.1-20 ul	Yes	-	bulk pack	1,000/bag, 40bags/case

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



Part NO.	Volume	With Filter	Sterile	Package Type	Pack
UFPT-10ETR-L	0.1-20 ul	-	Yes	rack pack	96/rack, 50racks/case
UFPT-F-10ET-L	0.1-20 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-REF-10ET-L	0.1-20 ul	-	Yes	refill pack	96/rack, 9racks/unit, 10units/case
UFPT-10ETB-L	0.1-20 ul	-	-	bulk pack	1,000/bag, 40bags/case
UFPT-F-10ETB-L	0.1-20 ul	Yes	-	bulk pack	1,000/bag, 40bags/case

200uL standard wide, bevelled, DNase/RNase free, low retention, clear, 51mm



Part NO.	Volume	With Filter	Sterile	Package Type	Pack
UFPT-200R-L	1-200 ul	-	Yes	rack pack	96/rack, 50racks/case
UFPT-F-20-L	1-20 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-REF-200-L	1-200 ul	-	Yes	refill pack	96/rack, 12racks/unit, 10units/case
UFPT-200B-L	1-200 ul	-	-	bulk pack	1,000/bag, 20bags/case
UFPT-F-20B-L	1-20 ul	Yes	-	bulk pack	1,000/bag, 20bags/case

200uL standard, bevelled, DNase/RNase free, low retention, 51mm



Part NO.	Volume	With Filter	Sterile	Package Type	Pack
UFPT-F-50-L	1-50 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-F-100-L	1-100 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-F-200-L	1-200 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-F-50B-L	1-50 ul	Yes	-	bulk pack	1,000/bag, 20bags/case
UFPT-F-100B-L	1-100 ul	Yes	-	bulk pack	1,000/bag, 20bags/case
UFPT-F-200B-L	1-200 ul	Yes	-	bulk pack	1,000/bag, 20bags/case

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



Part NO.	Volume	With Filter	Sterile	Package Type	Pack
UFPT-200ER-L	1-300 ul	-	Yes	rack pack	96/rack, 50racks/case
UFPT-F-100E-L	1-150 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-F-200E-L	1-300 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-REF-200E-L	1-300 ul	-	Yes	refill pack	96/rack, 10racks/unit, 10units/case
UFPT-200EB-L	1-300 ul	-	-	bulk pack	1,000/bag, 20bags/case
UFPT-F-200EB-L	1-300 ul	Yes	-	bulk pack	1,000/bag, 20bags/case

1000uL standard, DNase/RNase free, low retention, 78mm



Part NO.	Volume	With Filter	Sterile	Package Type	Pack
UFPT-1000R-L	100-1,000 ul	-	Yes	rack pack	96/rack, 50racks/case
UFPT-F-1000-L	100-1,000 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-1000B-L	100-1,000 ul	-	-	bulk pack	1,000/bag, 10bags/case
UFPT-F-1000B-L	100-1,000 ul	Yes	-	bulk pack	1,000/bag, 10bags/case

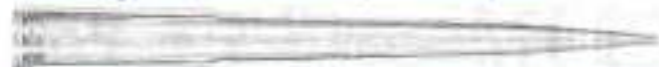
1000uL extra long or 1250uL, DNase/RNase free, low retention, 102mm



Part NO.	Volume	With Filter	Sterile	Package Type	Pack
UFPT-1000ER-L	100-1,200 ul	-	Yes	rack pack	96/rack, 50racks/case
UFPT-F-1000E-L	100-1,000 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-REF-1000E-L	100-1,200 ul	-	Yes	refill pack	96/rack, 8bags/unit, 10units/case
UFPT-1000EB-L	100-1,200 ul	-	-	bulk pack	1,000/bag, 10bags/case
UFPT-F-1000EB-L	100-1,000 ul	Yes	-	bulk pack	1,000/bag, 10bags/case

Some specific application

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



Part NO.	Volume	With Filter	Sterile	Package Type	Pack
UFPT-1000MR-L	100-1,000 µl	-	Yes	rack pack	96/rack, 50racks/case
UFPT-F-1000M-L	100-1,000 µl	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-1000MB-L	100-1,000 µl	-	-	bulk pack	1,000/bag, 10bags/case
UFPT-F-1000MB-L	100-1,000 µl	Yes	-	bulk pack	1,000/bag, 10bags/case

CHAPTER 11

Compatibility List (Pipette Tip)

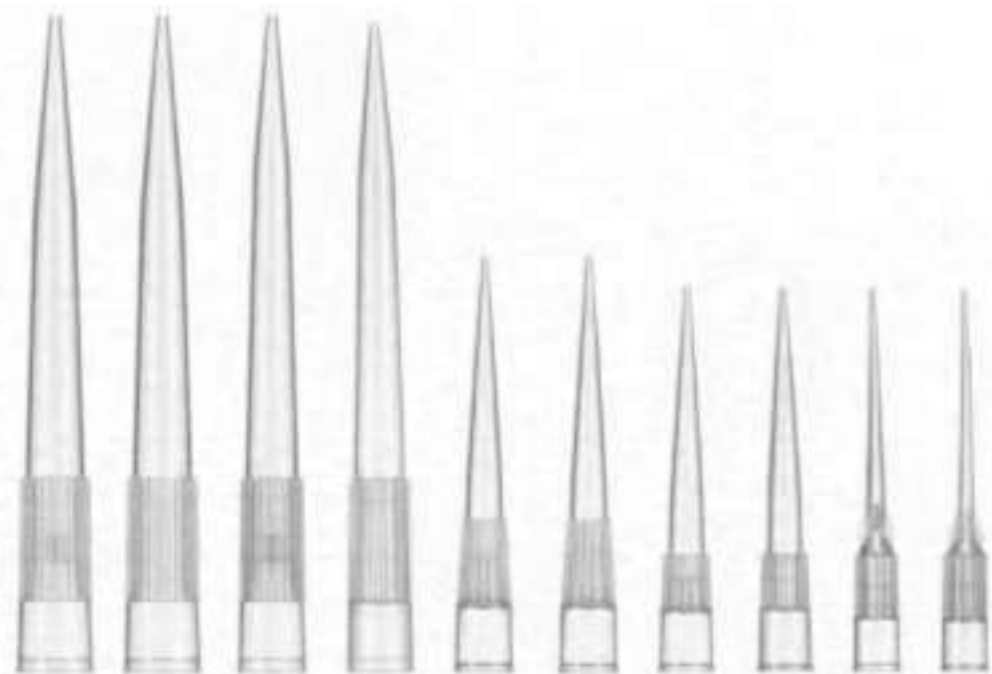
Continuously updating



PIPETTE BRAND		Eppendorf		Thermo scientific		Biohit		DLAB		PakGent		Glison
		Research plus	Research plus	Finnpipette F3	Finnpipette F3	Proline Plus	Proline Plus	HiPette	HiPette	Transferpette® S	Transferpette® S	Pipetman® M
PRODUCT NO.	PIPETTE VOLUME	0.5-5ml	1-10ml	0.5-5ml	1-10ml	500-5000ul	1-10ml	1000-5000ul	2-10ml	500-5000ul	1000-10000ul	0.5-10000ul
PT-5000B-E	500-5000ul	√				√		√				
PT-5000BF-E	500-5000ul	√				√		√				
PT-5000R-E	500-5000ul	√				√		√				
PT-5000RF-E	500-5000ul	√				√		√				
PT-10000B-E	1000-10000ul		√				√		√			√
PT-10000BF-E	1000-10000ul		√				√		√			√
PT-10000R-E	1000-10000ul		√				√		√			√
PT-10000RF-E	1000-10000ul		√				√		√			√
PT-5000B-T	500-5000ul			√						√		
PT-5000BF-T	500-5000ul			√						√		
PT-5000R-T	500-5000ul			√						√		
PT-5000RF-T	500-5000ul			√						√		
PT-10000B-T	1000-10000ul				√						√	
PT-10000BF-T	1000-10000ul				√						√	
PT-10000R-T	1000-10000ul				√						√	
PT-10000RF-T	1000-10000ul				√						√	

CHAPTER 12

Pipette Tip (To Fit LTS Pipette)



This product line is designed to fit LTS Pipette.

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



20ul Fit LTS Pipette, sterile



Part NO.	With Filter	Low Retention	Package Type	Pack
RT20R	-	-	rack pack	96/rack, 50racks/case
RT20R-L	-	Yes	rack pack	96/rack, 50racks/case
RT20RF	Yes	-	rack pack	96/rack, 50racks/case
RT20RF-L	Yes	Yes	rack pack	96/rack, 50racks/case
RT20-REF	-	-	refill pack	96/rack, 10racks/unit, 10units/case
RT20-REF-L	-	Yes	refill pack	96/rack, 10racks/unit, 10units/case

200ul Fit LTS Pipette, sterile



Part NO.	With Filter	Low Retention	Package Type	Pack
RT200R	-	-	rack pack	96/rack, 50racks/case
RT200R-L	-	Yes	rack pack	96/rack, 50racks/case
RT200RF	Yes	-	rack pack	96/rack, 50racks/case
RT200RF-L	Yes	Yes	rack pack	96/rack, 50racks/case
RT200B	-	-	bulk pack	1,000/bag, 20bags/case
RT200B-L	-	Yes	bulk pack	1,000/bag, 20bags/case
RT200BF	Yes	-	bulk pack	1,000/bag, 20bags/case
RT200BF-L	Yes	Yes	bulk pack	1,000/bag, 20bags/case
RT200-REF	-	-	refill pack	96/rack, 10racks/unit, 10units/case
RT200-REF-L	-	Yes	refill pack	96/rack, 10racks/unit, 10units/case

300ul Fit LTS Pipette, sterile



Part NO.	With Filter	Low Retention	Package Type	Pack
RT300R	-	-	rack pack	96/rack, 50racks/case
RT300R-L	-	Yes	rack pack	96/rack, 50racks/case
RT300RF	Yes	-	rack pack	96/rack, 50racks/case
RT300RF-L	Yes	Yes	rack pack	96/rack, 50racks/case
RT300B	-	-	bulk pack	1,000/bag, 20bags/case
RT300B-L	-	Yes	bulk pack	1,000/bag, 20bags/case
RT300BF	Yes	-	bulk pack	1,000/bag, 20bags/case
RT300BF-L	Yes	Yes	bulk pack	1,000/bag, 20bags/case
RT300-REF	-	-	refill pack	96/rack, 8racks/unit, 10units/case
RT300-REF-L	-	Yes	refill pack	96/rack, 8racks/unit, 10units/case

1000ul Fit LTS Pipette, sterile



Part NO.	With Filter	Low Retention	Package Type	Pack
RT1000R	-	-	rack pack	96/rack, 50racks/case
RT1000R-L	-	Yes	rack pack	96/rack, 50racks/case
RT1000RF	Yes	-	rack pack	96/rack, 50racks/case
RT1000RF-L	Yes	Yes	rack pack	96/rack, 50racks/case
RT1000B	-	-	bulk pack	1,000/bag, 10bags/case
RT1000B-L	-	Yes	bulk pack	1,000/bag, 10bags/case
RT1000BF	Yes	-	bulk pack	1,000/bag, 10bags/case
RT1000BF-L	Yes	Yes	bulk pack	1,000/bag, 10bags/case
RT1000-REF	-	-	refill pack	96/rack, 8racks/unit, 10units/case
RT1000-REF-L	-	Yes	refill pack	96/rack, 8racks/unit, 10units/case

1200ul Fit LTS Pipette, sterile



Part NO.	With Filter	Low Retention	Package Type	Pack
RT1200R	-	-	rack pack	96/rack, 50racks/case
RT1200R-L	-	Yes	rack pack	96/rack, 50racks/case
RT1200RF	Yes	-	rack pack	96/rack, 50racks/case
RT1200RF-L	Yes	Yes	rack pack	96/rack, 50racks/case
RT1200B	-	-	bulk pack	1,000/bag, 10bags/case
RT1200B-L	-	Yes	bulk pack	1,000/bag, 10bags/case
RT1200BF	Yes	-	bulk pack	1,000/bag, 10bags/case
RT1200BF-L	Yes	Yes	bulk pack	1,000/bag, 10bags/case



CHAPTER 13

Pipette Tip (Large Volume Tip)

- **Easy to Use:** Soft and flexible material for easy tip loading & ejection, universal filtered pipette tips lower the risk of repetitive stress injury (RSI).
- **The smooth inner surface** can prevent leakage and residue.
- **Convenient & Sterile:** Pipette tips rack pack allows direct loading into pipette without hand touch, higher sterility and efficiency as well as a relief for repeated acts.
- **Widely Application:** Compatible with most brands such as Eppendorf, Biohit, DLAB, Brand, Thermo, etc.

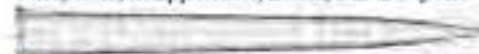


5ml, clear, fit Eppendorf, Biohit, DLAB Pipette



Part NO.	With Filter	Sterile	Package Type	Pack
PT-5000R-E	-	Yes	rack pack	24/rack, 30racks/case
PT-5000RF-E	Yes	Yes	rack pack	24/rack, 30racks/case
PT-5000B-E	-	-	bulk pack	100/bag, 20bags/case
PT-5000BF-E	Yes	-	bulk pack	100/bag, 20bags/case

10ml, clear, fit Eppendorf, Biohit, DLAB Pipette



Part NO.	With Filter	Sterile	Package Type	Pack
PT-10000R-E	-	Yes	rack pack	24/rack, 40racks/case
PT-10000RF-E	Yes	Yes	rack pack	24/rack, 40racks/case
PT-10000B-E	-	-	bulk pack	100/bag, 10bags/case
PT-10000BF-E	Yes	-	bulk pack	100/bag, 10bags/case

5ml, clear, fit Thermo, Brand Pipette



Part NO.	With Filter	Sterile	Package Type	Pack
PT-5000R-T	-	Yes	rack pack	40/rack, 40racks/case
PT-5000RF-T	Yes	Yes	rack pack	40/rack, 40racks/case
PT-5000B-T	-	-	bulk pack	100/bag, 20bags/case
PT-5000BF-T	Yes	-	bulk pack	100/bag, 20bags/case

10ml, clear, fit Thermo, Brand Pipette



Part NO.	With Filter	Sterile	Package Type	Pack
PT-10000R-T	-	Yes	rack pack	24/rack, 40racks/case
PT-10000RF-T	Yes	Yes	rack pack	24/rack, 40racks/case
PT-10000B-T	-	-	bulk pack	100/bag, 10bags/case
PT-10000BF-T	Yes	-	bulk pack	100/bag, 10bags/case

CHAPTER 14

Robotic Pipette Tip



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

All of our sterile pipette tips are manufactured out of the highest grade resin 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 pipette 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®

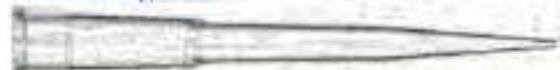
Fits Tecan Genesis Freedom®, Freedom EVO® and Miriprep with LHA®

50µL Clear Tip, sterile



Part NO.	With Filter	Low Retention	Package Type	Pack
RT050T	-	-	rack pack	96/rack, 30racks/case
RT050T-L	-	Yes	rack pack	96/rack, 30racks/case
RT050TF	Yes	-	rack pack	96/rack, 30racks/case
RT050TF-L	Yes	Yes	rack pack	96/rack, 30racks/case

200µL Clear Tip, sterile



Part NO.	With Filter	Low Retention	Package Type	Pack
RT200T	-	-	rack pack	96/rack, 30racks/case
RT200T-L	-	Yes	rack pack	96/rack, 30racks/case
RT200TF	Yes	-	rack pack	96/rack, 30racks/case
RT200TF-L	Yes	Yes	rack pack	96/rack, 30racks/case

1000µL Clear Tip, sterile



Part NO.	With Filter	Low Retention	Package Type	Pack
RT1000T	-	-	rack pack	96/rack, 60racks/case
RT1000T-L	-	Yes	rack pack	96/rack, 60racks/case
RT1000TF	Yes	-	rack pack	96/rack, 60racks/case
RT1000TF-L	Yes	Yes	rack pack	96/rack, 60racks/case

50µL Conductive Tip, sterile



Part NO.	With Filter	Low Retention	Package Type	Pack
RT050TX	-	-	rack pack	96/rack, 30racks/case
RT050TX-L	-	Yes	rack pack	96/rack, 30racks/case
RT050TFX	Yes	-	rack pack	96/rack, 30racks/case
RT050TFX-L	Yes	Yes	rack pack	96/rack, 30racks/case

200µL Conductive Tip, sterile



Part NO.	With Filter	Low Retention	Package Type	Pack
RT200TX	-	-	rack pack	96/rack, 30racks/case
RT200TX-L	-	Yes	rack pack	96/rack, 30racks/case
RT200TFX	Yes	-	rack pack	96/rack, 30racks/case
RT200TFX-L	Yes	Yes	rack pack	96/rack, 30racks/case

1000µL Conductive Tip, sterile



Part NO.	With Filter	Low Retention	Package Type	Pack
RT1000TX	-	-	rack pack	96/rack, 60racks/case
RT1000TX-L	-	Yes	rack pack	96/rack, 60racks/case
RT1000TFX	Yes	-	rack pack	96/rack, 60racks/case
RT1000TFX-L	Yes	Yes	rack pack	96/rack, 60racks/case

Robotic Tip Hamilton®

Fits Hamilton Star®, Scarlet and Nimbus®

50µL Clear Tip, sterile



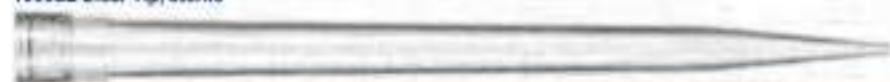
Part NO.	With Filter	Low Retention	Package Type	Pack
RT050H	-	-	rack pack	96/rack, 30racks/case
RT050H-L	-	Yes	rack pack	96/rack, 30racks/case
RT050HF	Yes	-	rack pack	96/rack, 30racks/case
RT050HF-L	Yes	Yes	rack pack	96/rack, 30racks/case

300µL Clear Tip, sterile



Part NO.	With Filter	Low Retention	Package Type	Pack
RT300H	-	-	rack pack	96/rack, 30racks/case
RT300H-L	-	Yes	rack pack	96/rack, 30racks/case
RT300HF	Yes	-	rack pack	96/rack, 30racks/case
RT300HF-L	Yes	Yes	rack pack	96/rack, 30racks/case

1000µL Clear Tip, sterile



Part NO.	With Filter	Low Retention	Package Type	Pack
RT1000H	-	-	rack pack	96/rack, 60racks/case
RT1000H-L	-	Yes	rack pack	96/rack, 60racks/case
RT1000HF	Yes	-	rack pack	96/rack, 60racks/case
RT1000HF-L	Yes	Yes	rack pack	96/rack, 60racks/case

50µL Conductive Tip, sterile



Part NO.	With Filter	Low Retention	Package Type	Pack
RT050HX	-	-	rack pack	96/rack, 30racks/case
RT050HX-L	-	Yes	rack pack	96/rack, 30racks/case
RT050HFX	Yes	-	rack pack	96/rack, 30racks/case
RT050HFX-L	Yes	Yes	rack pack	96/rack, 30racks/case

300µL Conductive Tip, sterile



Part NO.	With Filter	Low Retention	Package Type	Pack
RT300HX	-	-	rack pack	96/rack, 30racks/case
RT300HX-L	-	Yes	rack pack	96/rack, 30racks/case
RT300HFX	Yes	-	rack pack	96/rack, 30racks/case
RT300HFX-L	Yes	Yes	rack pack	96/rack, 30racks/case

1000µL Conductive Tip, sterile



Part NO.	With Filter	Low Retention	Package Type	Pack
RT1000HX	-	-	rack pack	96/rack, 60racks/case
RT1000HX-L	-	Yes	rack pack	96/rack, 60racks/case
RT1000HFX	Yes	-	rack pack	96/rack, 60racks/case
RT1000HFX-L	Yes	Yes	rack pack	96/rack, 60racks/case

Robotic Tip Beckman®

Fits Beckman FXNX, Multimak AP96 and Biomek3000

50µL Clear Tip, rack, sterile



Part NO.	With Filter	Low Retention	Package Type	Pack
RT050B	-	-	rack pack	96/rack, 50racks/case
RT050B-L	-	Yes	rack pack	96/rack, 50racks/case
RT050BF	Yes	-	rack pack	96/rack, 50racks/case
RT050BF-L	Yes	Yes	rack pack	96/rack, 50racks/case

250µL Clear Tip, rack, sterile



Part NO.	With Filter	Low Retention	Package Type	Pack
RT250B	-	-	rack pack	96/rack, 50racks/case
RT250B-L	-	Yes	rack pack	96/rack, 50racks/case
RT250BF	Yes	-	rack pack	96/rack, 50racks/case
RT250BF-L	Yes	Yes	rack pack	96/rack, 50racks/case



CHAPTER 15

Serological
Pipette

PakGent Bioscience offers serological pipette in seven different volumes, available in paper-plastic packaging, plastic-plastic packaging, multi-layer packaging, and bulk packaging. Each volume is color-coded for easy identification.

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	paper/plastic	50 pcs/bag, 20 bags/case
SPTB01	bulk pack	50 pcs/bag, 20 bags/case
SPTP01	plastic/plastic	50 pcs/bag, 20 bags/case
SPTS01-2P	plastic/plastic (with an internal bag)	50 pcs/bag, 20 bags/case
SPTS01-3P	plastic/plastic (with a double-layer inner bag)	50 pcs/bag, 20 bags/case

2ml Serological Pipette, PS, Sterile

Part No.	Package Type	Pack
SPTS02	paper/plastic	50 pcs/bag, 20 bags/case
SPTB02	bulk pack	50 pcs/bag, 20 bags/case
SPTP02	plastic/plastic	50 pcs/bag, 20 bags/case
SPTS02-2P	plastic/plastic (with an internal bag)	50 pcs/bag, 20 bags/case
SPTS02-3P	plastic/plastic (with a double-layer inner bag)	50 pcs/bag, 20 bags/case

5ml Serological Pipette, PS, Sterile

Part No.	Package Type	Pack
SPTS05	paper/plastic	50 pcs/bag, 10 bags/case
SPTB05	bulk pack	50 pcs/bag, 10 bags/case
SPTP05	plastic/plastic	50 pcs/bag, 10 bags/case
SPTS05-2P	plastic/plastic (with an internal bag)	50 pcs/bag, 10 bags/case
SPTS05-3P	plastic/plastic (with a double-layer inner bag)	50 pcs/bag, 10 bags/case

10ml Serological Pipette, PS, Sterile



Part No.	Pcs	Package Type	Pack
SPTS10	one piece contruction	paper/plastic	50 pcs/bag, 10 bags/case
SPTB10	one piece contruction	bulk pack	50 pcs/bag, 10 bags/case
SPTS10A	two pieces weld construction	paper/plastic	50 pcs/bag, 10 bags/case
SPTB10A	two pieces weld construction	bulk pack	50 pcs/bag, 10 bags/case
SPTP10	one piece contruction	plastic/plastic	50 pcs/bag, 10 bags/case
SPTP10A	two pieces weld construction	plastic/plastic	50 pcs/bag, 10 bags/case
SPTS10-2P	one piece contruction	plastic/plastic (with an internal bag)	50 pcs/bag, 10 bags/case
SPTS10A-2P	two pieces weld construction	plastic/plastic (with an internal bag)	50 pcs/bag, 10 bags/case
SPTS10-3P	one piece contruction	plastic/plastic (with a double-layer inner bag)	50 pcs/bag, 10 bags/case
SPTS10A-3P	two pieces weld construction	plastic/plastic (with a double-layer inner bag)	50 pcs/bag, 10 bags/case

25ml Serological Pipette, PS, Sterile



Part No.	Package Type	Pack
SPTS25	paper/plastic	25 pcs/bag, 10 bags/case
SPTB25	bulk pack	25 pcs/bag, 10 bags/case
SPTP25	plastic/plastic	25 pcs/bag, 10 bags/case
SPTS25-2P	plastic/plastic (with an internal bag)	25 pcs/bag, 10 bags/case
SPTS25-3P	plastic/plastic (with a double-layer inner bag)	25 pcs/bag, 10 bags/case

50ml Serological Pipette, PS, Sterile



Part No.	Package Type	Pack
SPTS50	paper/plastic	25 pcs/bag, 8 bags/case
SPTB50	bulk pack	25 pcs/bag, 8 bags/case
SPTP50	plastic/plastic	25 pcs/bag, 8 bags/case
SPTS50-2P	plastic/plastic (with an internal bag)	25 pcs/bag, 8 bags/case
SPTS50-3P	plastic/plastic (with a double-layer inner bag)	25 pcs/bag, 8 bags/case

100ml Serological Pipette, PS, Sterile



Part No.	Package Type	Pack
SPTS100	paper/plastic	25 pcs/bag, 5 bags/case
SPTB100	bulk pack	25 pcs/bag, 5 bags/case
SPTP100	plastic/plastic	25 pcs/bag, 5 bags/case
SPTS100-2P	plastic/plastic (with an internal bag)	25 pcs/bag, 5 bags/case
SPTS100-3P	plastic/plastic (with a double-layer inner bag)	25 pcs/bag, 5 bags/case



CHAPTER 16

PCR Consumable

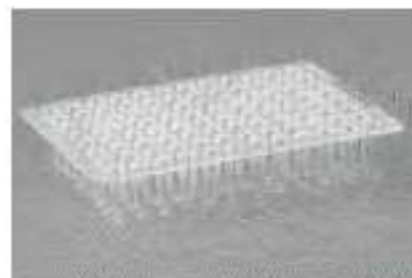
Our PCR plates/tubes ensure a consistent wall thickness and optimal sealing with our dedicated sealing films.

Hard-Frame PCR Plates are engineered to endure the rigorous demands of thermal cycling, robotic automation, and heat sealing, representing an advanced innovation in PCR plate design. The skirt and deck are manufactured from a durable, thermally stable polymer, eliminating warping issues during robotic handling. This robust frame ensures dimensional stability, preventing the distortion and shrinkage commonly observed in standard single-component polypropylene PCR plates under high-temperature thermal cycling or heat sealing. Ultra-thin wall walls and inter-wall uniformity ensure optimal compatibility and stable heat transfer. Each well features raised rims to facilitate secure sealing across multiple methods, including pressure-sensitive films, adhesive seals, and heat-sealing technologies.



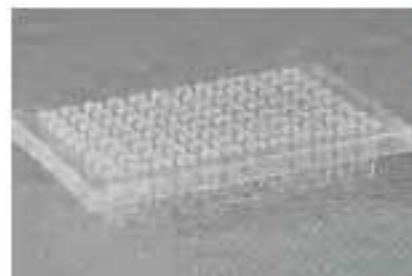
qPCR Plate, Non-Skirted, 96 well, PP

Part NO.	Volume	Color	Option	Pack
PCRP-10NS-B	0.1 ml	clear	black lettering	10 pos/box, 10 boxes/case
PCRP-10NS	0.1 ml	clear	molding	10 pos/box, 10 boxes/case
PCRP-10NS-W-B	0.1 ml	white	black lettering	10 pos/box, 10 boxes/case
PCRP-10NS-W	0.1 ml	white	molding	10 pos/box, 10 boxes/case
PCRP-20NS-B	0.2 ml	clear	black lettering	10 pos/box, 10 boxes/case
PCRP-20NS	0.2 ml	clear	molding	10 pos/box, 10 boxes/case
PCRP-20NS-W-B	0.2 ml	white	black lettering	10 pos/box, 10 boxes/case
PCRP-20NS-W	0.2 ml	white	molding	10 pos/box, 10 boxes/case



qPCR Plate, Half Skirt, 96 well, PP, Fit ABI

Part NO.	Volume	Color	Option	Pack
PCRP-20HS-B	0.2 ml	clear	black lettering	10 pos/box, 10 boxes/case
PCRP-20HS	0.2 ml	clear	molding	10 pos/box, 10 boxes/case
PCRP-20HS-W-B	0.2 ml	white	black lettering	10 pos/box, 10 boxes/case



qPCR Plate, Half Skirt, 96 well, PP, Fit Biorad/Roche

Part NO.	Volume	Color	Option	Pack
PCRP-10HSR	0.1 ml	clear	molding	10 pos/box, 10 boxes/case
PCRP-10HSR-W	0.1 ml	white	molding	10 pos/box, 10 boxes/case



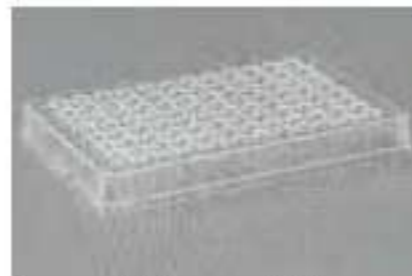
qPCR Plate, Sub Semi-Skirt or High-Skirt, 96 well, PP, Fit ABI

Part NO.	Volume	Color	Option	Pack
PCRP-10IS	0.1 ml	clear	molding	10 pos/box, 10 boxes/case
PCRP-20IS	0.2 ml	clear	molding	10 pos/box, 10 boxes/case



qPCR Plate, Full-Skirted, 96 well, PP

Part NO.	Volume	Color	Option	Pack
PCP-10FS	0.1 ml	clear	molding	10 pos/box, 10 boxes/case
PCP-10FS-W	0.1 ml	white	molding	10 pos/box, 10 boxes/case
PCP-20FS	0.2 ml	clear	molding	10 pos/box, 10 boxes/case
PCP-20FS-W	0.2 ml	white	molding	10 pos/box, 10 boxes/case





qPCR Plate, Full-Skirted, 96 well, PC frame, PP well, black lettering, type B

Part NO.	Volume	Color	Pack
KCP-38FS-C2	0.2 ml	clear base, clear well	10 pcs/box, 10 boxes/case
KCP-38FS-W1	0.2 ml	white base, clear well	10 pcs/box, 10 boxes/case
KCP-38FS-W2	0.2 ml	white base, white well	10 pcs/box, 10 boxes/case



qPCR Plate, Full-Skirted, 96 well, PC frame, PP well, black lettering, type E

Part NO.	Volume	Color	Pack
PCRP-20EFS-C2	0.2 ml	clear base, clear well	10 pcs/box, 10 boxes/case
PCRP-20EFS-W1	0.2 ml	white base, clear well	10 pcs/box, 10 boxes/case



qPCR Plate, Non-Skirted, 96 well, PC frame, PP well, black lettering, type E

Part NO.	Volume	Color	Pack
PCRP-20ETNS-C2	0.2 ml	clear base, clear well	10 pcs/box, 10 boxes/case

(Compatibility tested with 24-well 96-well geometry)



qPCR Plate, Half Skirt, 96 well, PC frame, PP well, black lettering, type E

Part NO.	Volume	Color	Pack
PCRP-20EHS-C2	0.2 ml	clear base, clear well	10 pcs/box, 10 boxes/case
PCRP-20EHS-C1	0.2 ml	clear base, white well	10 pcs/box, 10 boxes/case



qPCR Plate, Single Cut Corner, 384 well, PC frame, PP well, black lettering

Part NO.	Volume	Color	Pack
PCRP-40-384S-C2	40 µL	clear base, clear well	10 pcs/box, 10 boxes/case
PCRP-40-384S-W1	40 µL	white base, clear well	10 pcs/box, 10 boxes/case



qPCR Plate, double cut corner, 384 well, PC frame, PP well, black lettering

Part NO.	Volume	Color	Pack
KCP-40-384-C2	40 µL	clear base, clear well	10 pcs/box, 10 boxes/case
KCP-40-384-C1	40 µL	clear base, white well	10 pcs/box, 10 boxes/case
KCP-40-384-W2	40 µL	white base, white well	10 pcs/box, 10 boxes/case



PCR sealing film (works for all kinds of plate)

Part NO.	Option	Color	Pack
PCRFP-CP	advanced sealing film for qPCR	clear	100/unit
S-PCR-PP-96	silicon, round hole, pierceable	clear	10/bag, 10bags/case



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

Part NO.	Color	Cap	Pack
PCRS-20F	clear tube	flat cap	125/unit, 10units/case
PCRS-20F-W	white tube	flat cap	125/unit, 10units/case
PCRS-20D	clear tube	round cap	125/unit, 10units/case



0.2ml 8-Strip PCR Tube, Individual Type with Cap, PP

Part NO.	Color	Pack
PCRS-20FI	clear tube	120/unit, 10units/case



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

Part NO.	Color	Cap	Pack
PCRS-10F	clear tube	flat cap	125/unit, 10units/case
PCRS-10F-W	white tube	flat cap	125/unit, 10units/case



0.2ml PCR Tubes with Attached Flat Cap, pp

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

CHAPTER 18

Centrifuge Tube

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 121°C at 15 P.S.I. for 15 minutes, and are freezable to -80°C.

For critical applications, our recommended metal-free centrifuge tubes are made of pure polypropylene (PP) and receive special processing. This treatment guarantees, via ICP-MS analysis, that concentrations of more than 21 interfering trace metals are kept below 1 ppb.

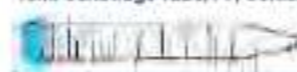


50ml Centrifuge Tube, PP, Conical Bottom, Screw Cap, 15,000g, Sterile



Part No.	Volume	Package Type	Pack
CT50R-L	50 ml	rack pack	25 pos/rack, 20 racks/case
CT50B-L	50 ml	bulk pack	25 pos/bag, 20 bags/case

15ml Centrifuge Tube, PP, Conical Bottom, Screw Cap, 15,000g, Sterile



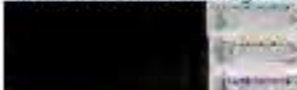
Part No.	Volume	Package Type	Pack
CT15R-L	15 ml	rack pack	25 pos/rack, 20 racks/case
CT15B-L	15 ml	bulk pack	25 pos/bag, 20 bags/case

50ml Centrifuge Tube, PP, Conical Bottom with Skirt, Screw Cap, 3,500g, Sterile



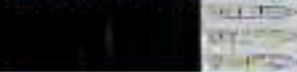
Part No.	Volume	Package Type	Pack
CT50RS-L	50 ml	rack pack	25 pos/rack, 20 racks/case
CT50BS-L	50 ml	bulk pack	25 pos/bag, 20 bags/case

Metal-free 50ml Centrifuge Tube, PP, Conical Bottom with Skirt, Screw Cap, 3,500g, Sterile



Part No.	Volume	Package Type	Pack
CT50R-MF	50 ml	rack pack	25 pos/rack, 20 racks/case
CT50B-MF	50 ml	bulk pack	25 pos/bag, 20 bags/case

Metal-free 15ml Centrifuge Tube, PP, Conical Bottom with Skirt, Screw Cap, 3,500g, Sterile



Part No.	Volume	Package Type	Pack
CT15R-MF	15 ml	rack pack	25 pos/rack, 20 racks/case
CT15B-MF	15 ml	bulk pack	25 pos/bag, 20 bags/case

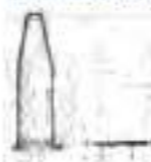
CHAPTER 19

Micro Centrifuge Tube

Micro centrifuge tubes are made from an ultra-clear polypropylene resin that allows for easy viewing of contents and fit most common rotors for near-universal usage. Caps can either be screw-on or attached to the micro-centrifuge tubes for easy popping on, and even pop-on caps are immune to popping off during intense centrifugation.



5.0 ml Micro Centrifuge Tube, PP, Clear, Graduated, 25,000g



Part No.	Volume	Feature	Package Type	Pack
MCT50	5.0 ml	—	bulk pack	200 pcs/bag, 10 bags/case

2.0 ml Micro Centrifuge Tube, PP, Clear, Graduated, 25,000g



Part No.	Volume	Feature	Package Type	Pack
MCT20	2.0 ml	—	bulk pack	500 pcs/bag, 10 bags/case
MCT20-L	2.0 ml	low-retention	bulk pack	500 pcs/bag, 10 bags/case

1.5 ml Micro Centrifuge Tube, PP, Clear, Graduated, 25,000g



Part No.	Volume	Feature	Package Type	Pack
MCT15	1.5 ml	—	bulk pack	500 pcs/bag, 10 bags/case
MCT15-L	1.5 ml	low-retention	bulk pack	500 pcs/bag, 10 bags/case
MCT15LC	1.5 ml	attached locking snap cap	bulk pack	500 pcs/bag, 10 bags/case

0.5 ml Micro Centrifuge Tube, PP, Clear, Graduated, 25,000g



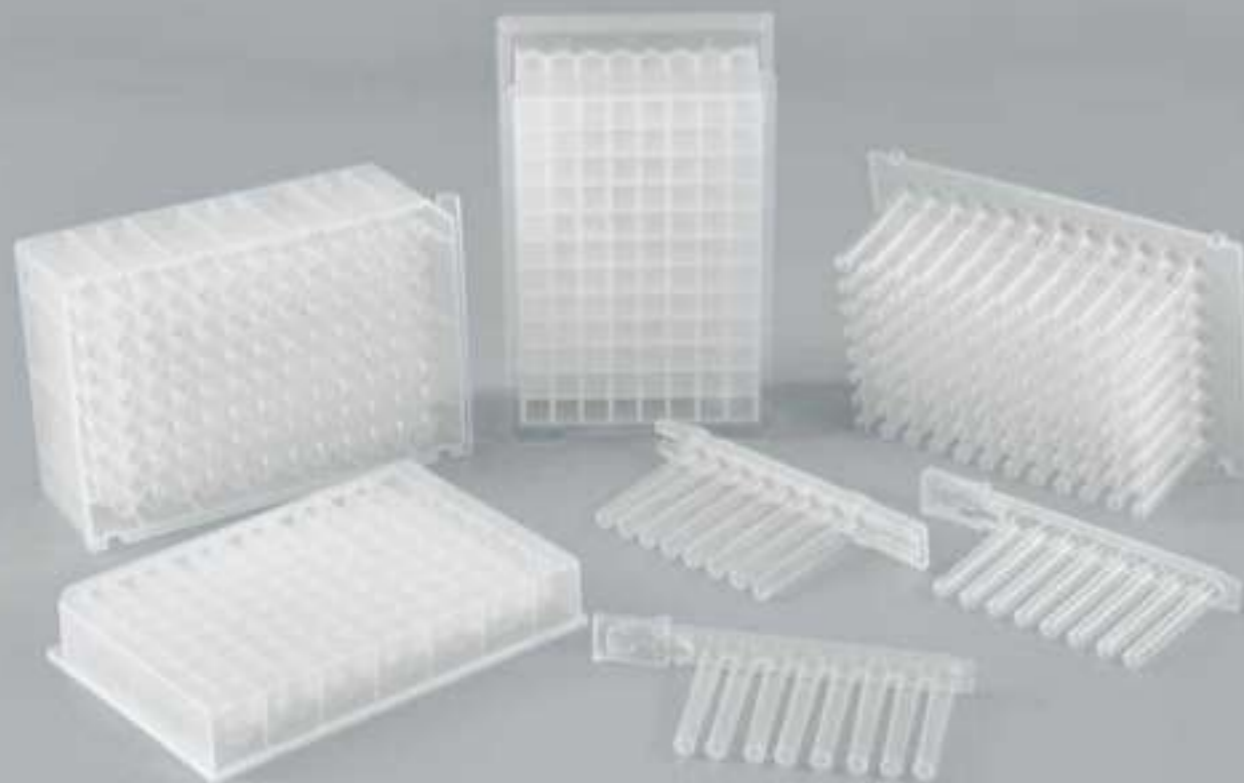
Part No.	Volume	Feature	Package Type	Pack
MCT05	0.5 ml	—	bulk pack	1000 pcs/bag, 10 bags/case
MCT05LC	0.5 ml	attached locking snap cap	bulk pack	1000 pcs/bag, 10 bags/case

CHAPTER 20

Deep Well Plate

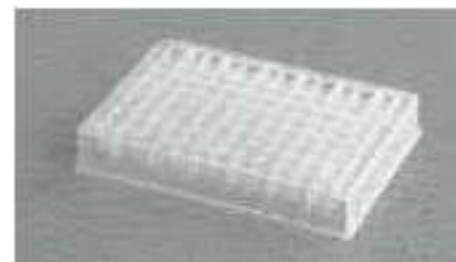
PakGent Bioscience manufactures all deep well plates and tip combo with medical grade polypropylene-PP material, high chemical stability, sterile is an option.

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.



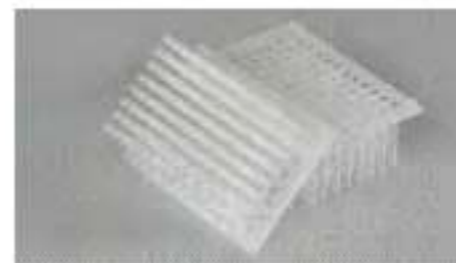
2.2ml deep 96 well plate, pp

Part No.	Bottom	Pack
DWPS20U	square well U bottom	10/bag, 10bags/case
DWPS20V	square well V bottom	10/bag, 10bags/case



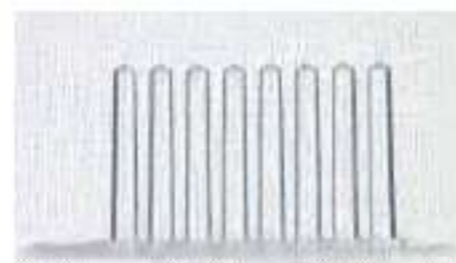
0.9ml 96 well plate, pp

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



96 well plate combo, pp

Part No.	Pack
DWPC96	10/bag, 10bags/case



8 strip tip combo, pp

Part No.	Bottom	Cap	Pack
DWPC8V	V bottom	-	2/bag, 10bags/box, 10boxes/case
DWPC8VC	V bottom	with snap cap	2/bag, 10bags/box, 10boxes/case
DWPC8RC	U bottom	with snap cap	2/bag, 10bags/box, 10boxes/case

CHAPTER 21

Package Bottle

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 / PP bottles available

Available with 8ml/15ml/30ml/60ml/125ml/250ml/500ml/1000ml.
Natural and amber are available.
Leakage test: vacuum, 99KPA, 30mins.



Wide Mouth, Natural

Part NO.	Material	Volume	Pack
WMPB030P / WMPB030H	PP / HDPE	30ml	800 pcs/case
WMPB060P / WMPB060H	PP / HDPE	60ml	800 pcs/case
WMPB125P / WMPB125H	PP / HDPE	125ml	500 pcs/case
WMPB250P / WMPB250H	PP / HDPE	250ml	250 pcs/case
WMPB500P / WMPB500H	PP / HDPE	500ml	125 pcs/case
WMPB1000P / WMPB1000H	PP / HDPE	1000ml	50 pcs/case



Wide Mouth, Amber

Part NO.	Material	Volume	Pack
WMPB030PA / WMPB030HA	PP / HDPE	30ml	800 pcs/case
WMPB060PA / WMPB060HA	PP / HDPE	60ml	800 pcs/case
WMPB125PA / WMPB125HA	PP / HDPE	125ml	500 pcs/case
WMPB250PA / WMPB250HA	PP / HDPE	250ml	250 pcs/case
WMPB500PA / WMPB500HA	PP / HDPE	500ml	125 pcs/case
WMPB1000PA / WMPB1000HA	PP / HDPE	1000ml	50 pcs/case



Narrow Mouth, Natural

Part NO.	Material	Volume	Pack
NMPB008P / NMPB008H	PP / HDPE	8ml	2000 pcs/case
NMPB015P / NMPB015H	PP / HDPE	15ml	1500 pcs/case
NMPB030P / NMPB030H	PP / HDPE	30ml	800 pcs/case
NMPB060P / NMPB060H	PP / HDPE	60ml	800 pcs/case
NMPB125P / NMPB125H	PP / HDPE	125ml	500 pcs/case
NMPB250P / NMPB250H	PP / HDPE	250ml	250 pcs/case
NMPB500P / NMPB500H	PP / HDPE	500ml	125 pcs/case
NMPB1000P / NMPB1000H	PP / HDPE	1000ml	50 pcs/case



Narrow Mouth, Amber

Part NO.	Material	Volume	Pack
NMPB008PA / NMPB008HA	PP / HDPE	8ml	2000 pcs/case
NMPB015PA / NMPB015HA	PP / HDPE	15ml	1500 pcs/case
NMPB030PA / NMPB030HA	PP / HDPE	30ml	800 pcs/case
NMPB060PA / NMPB060HA	PP / HDPE	60ml	800 pcs/case
NMPB125PA / NMPB125HA	PP / HDPE	125ml	500 pcs/case
NMPB250PA / NMPB250HA	PP / HDPE	250ml	250 pcs/case
NMPB500PA / NMPB500HA	PP / HDPE	500ml	125 pcs/case
NMPB1000PA / NMPB1000HA	PP / HDPE	1000ml	50 pcs/case

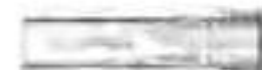
CHAPTER 22

Screw Cap Tube

- Self-standing bottom, O-ring is optional. ColorM 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, pp



Part NO.	Color	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, pp



Part NO.	Color	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, pp



Part NO.	Color	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

self standing, with O-ring, clear, sterile, pp

Part NO.	Color	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 23

Cryogenic Vial

- Made of medical grade polypropylene and can be repeatedly freeze-thawed.
- Irradiation sterilization, free of RNA/DNA enzymes, endotoxins, heat sources, etc.
- Working temperature: -196 °C ~ 121 °C.
- Stable for liquid nitrogen freezing (gas phase).



Cryogenic Vial, Self-standing, PP, Sterile

Part NO.	Volume	Thread Type	Pack
STSS-512IN	2.0ml	Internal	50/bag, 20bags/case
STSS-512EX	2.0ml	External	50/bag, 20bags/case
STSS-513EX	5.0ml	External	50/bag, 20bags/case



Cryogenic Vial, Self-standing, Bottom Barcode, PP, Sterile

Part NO.	Volume	Thread Type	Pack
STSS-514EX	0.5ml	External	50/bag, 20bags/case
STSS-515EX	1.0ml	External	50/bag, 20bags/case
STSS-516EX	1.5ml	External	50/bag, 20bags/case
STSS-517IN	2.0ml	Internal	50/bag, 20bags/case
STSS-517EX	2.0ml	External	50/bag, 20bags/case
STSS-518EX	5.0ml	External	50/bag, 20bags/case



PC Cryogenic Box, Stable from -196°C to 121°C

Part NO.	Height	Wells	Dimensions (mm)	Pack
STSS-BOX5213	2in	81	133*133*53mm	30/case
STSS-BOX5214	3.75in	81	133*133*95mm	30/case
STSS-BOX5210	2in	100	133*133*53mm	30/case



PP Cryogenic Box, Stable from -86°C to 121°C

Part NO.	Height	Wells	Dimensions (mm)	Pack
STSS-BOX5212	2in	81	133*133*53mm	30/case
STSS-BOX5218	2in	100	133*133*53mm	30/case



Cardboard Cryogenic Box, Stable from -196°C to 121°C

Part NO.	Height	Wells	Dimensions (mm)	Pack
STSS-BOX5211	2in	81	133*133*53mm	30/case

CHAPTER 24

Paraffin Sealing Film

- Primarily composed of polyolefins and paraffin waxes offering good resistance against acids, alkalis and some organic solvents.
- Recommended temperature : - 80 – 90 °C.
- Elasticity (25°C): 400%.



Part NO.	Size	Pack
PSP03	30 mm x 15000 mm (1 1/8 in x 49 ft)	4 rolls/box, 24 boxes/case
PSP05	50 mm x 60000 mm (2 in x 197 ft)	1 rolls/box, 24 boxes/case
PSP10	100 mm x 39000 mm (4 in x 125 ft)	1 roll/box, 12 boxes/case
PSP50	500 mm x 15000 mm (20 in x 49 ft)	1 roll/box, 4 boxes/case

CHAPTER 25

Disposable Nitrile Examination Glove

Comfortable, super soft flexible powder free nitrile gloves provide added safety in many applications. Designed with a special nitrile formulation they feel and fit like latex and allow full range of motion and excellent flexibility to minimize stress and fatigue.

- Widely used in laboratory, household, industry, agriculture and forestry fields, etc.
- Powder-Free, Latex-free.



9 inch (240 mm), 3.5g, Finger, Blue

Part NO.	Size	Pack
DBG035-BS	S	100 pcs/box, 10 boxes/case
DBG035-BM	M	100 pcs/box, 10 boxes/case
DBG035-BL	L	100 pcs/box, 10 boxes/case
DBG035-BXL	XL	100 pcs/box, 10 boxes/case



9 inch (240 mm), 4.5g, Finger, Blue

Part NO.	Size	Pack
DBG045-BS	S	100 pcs/box, 10 boxes/case
DBG045-BM	M	100 pcs/box, 10 boxes/case
DBG045-BL	L	100 pcs/box, 10 boxes/case
DBG045-BXL	XL	100 pcs/box, 10 boxes/case
DBG045-BOXL	XXL	100 pcs/box, 10 boxes/case



9 inch (240 mm), Diamond Texture, 8g, Orange

Part NO.	Size	Pack
DBG08D-OS	S	100 pcs/box, 10 boxes/case
DBG08D-OM	M	100 pcs/box, 10 boxes/case
DBG08D-OL	L	100 pcs/box, 10 boxes/case
DBG08D-OXL	XL	100 pcs/box, 10 boxes/case
DBG08D-OXXL	XXL	100 pcs/box, 10 boxes/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	polystyrene	-
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	Sterilization Method				Max Use Temp. °C	Brittleness Temp. °C	Metal Content 4	Recycle Code
	Transparency	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

121°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	Resin			
	PP	PS	HDPE	LDPE
Substance Temp	20°C (68°F)			
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
Phend (crystals)	B	D	B	B
Phend (liquid)	D	C	D	D

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