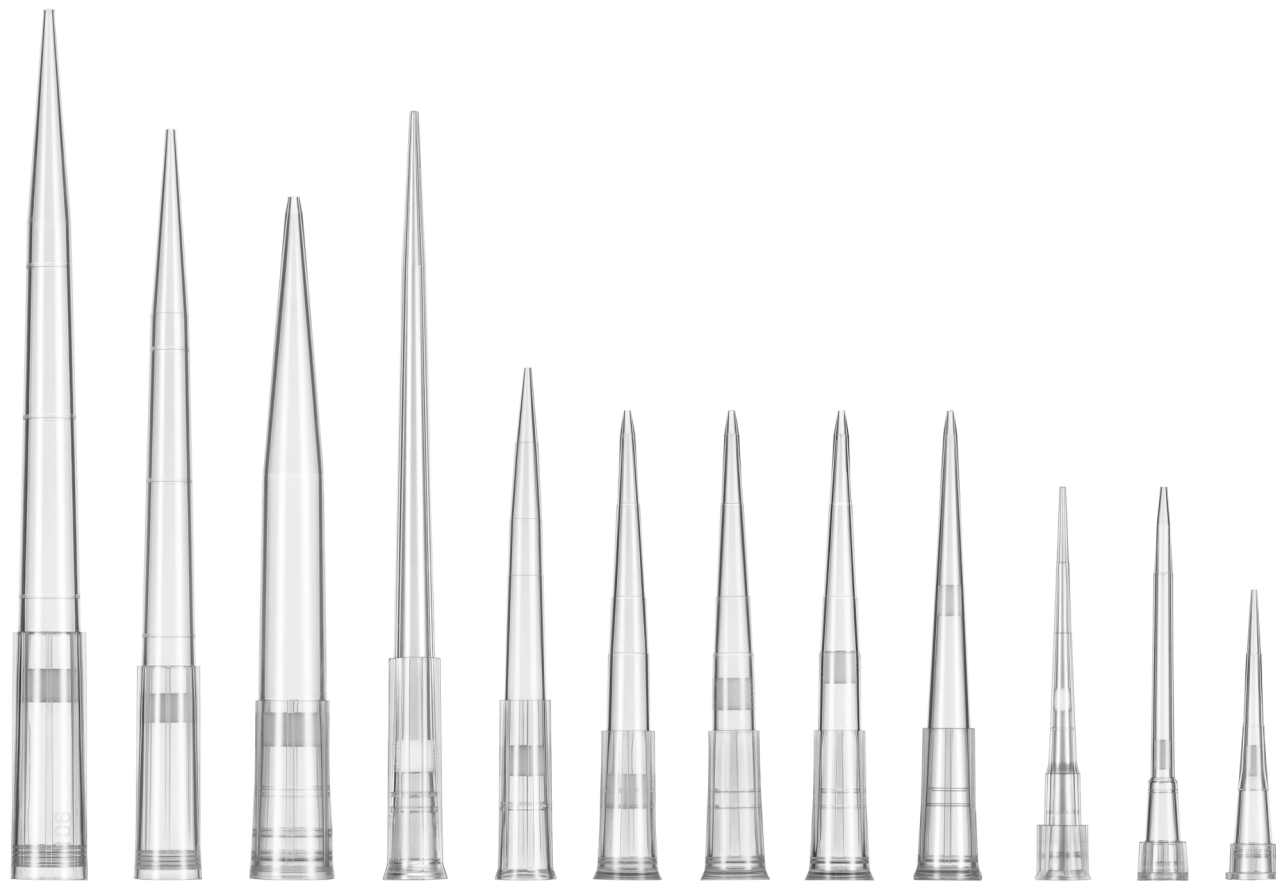


CHAPTER 8 Pipette Tips



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	
32mm	10uL standard	
46mm	10uL extra long (bevelled)	
46mm	10uL extra long (thin & sharp)	
51mm	200uL yellow, bevelled	standard 200uL, noramly 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
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, 78mm



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	100-1,200 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-REF-1000E	100-1,000 ul	-	Yes	refill pack	96/rack, 8racks/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

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



Part NO.	Volume	With Filter	Sterile	Package Type	Pack
UFPT-200SR	1-200 ul	-	Yes	rack pack	96/rack, 50racks/case
UFPT-F-200S	1-200 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-200SB	1-200 ul	-	-	bulk pack	1,000/bag, 10bags/case
UFPT-F-200SB	1-200 ul	Yes	-	bulk pack	1,000/bag, 10bags/case

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

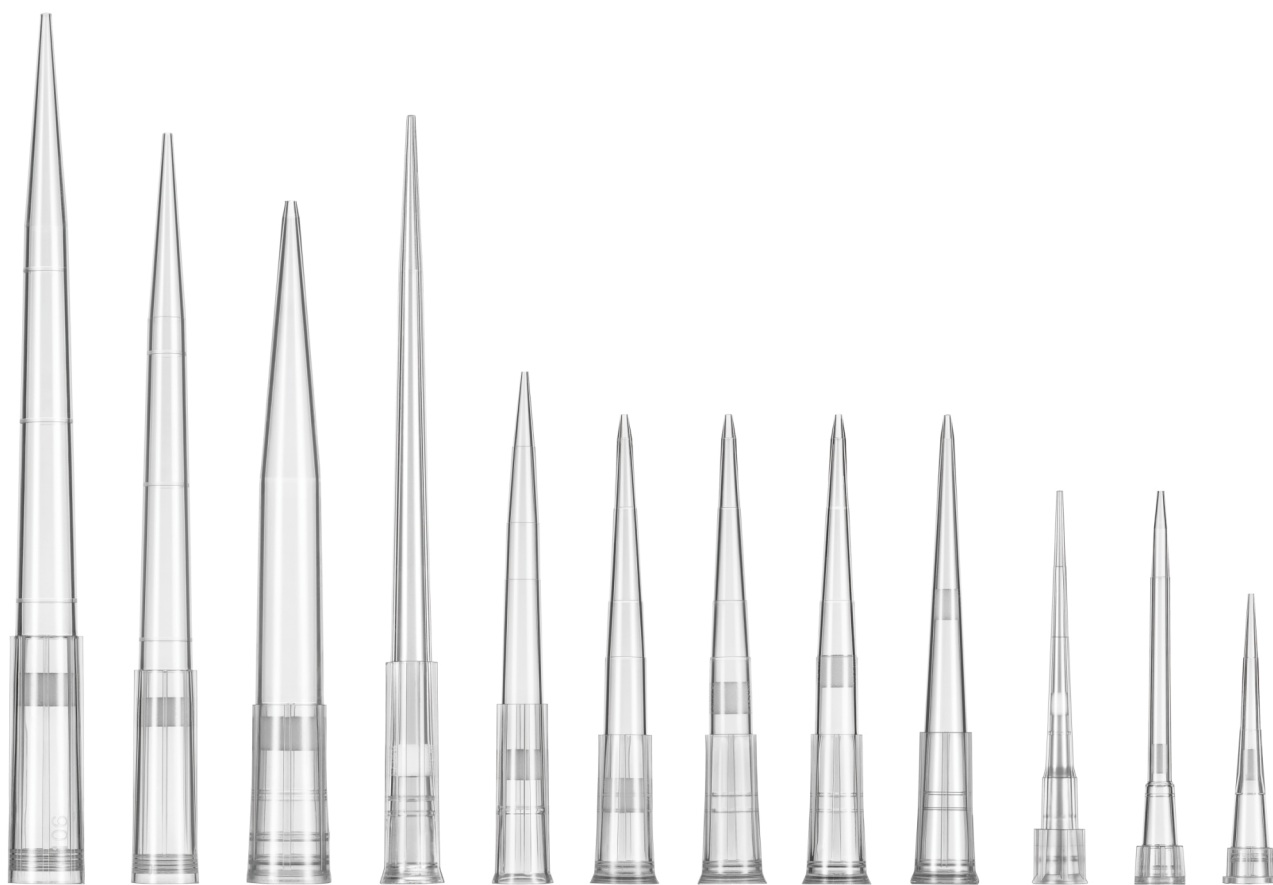


Part NO.	Volume	With Filter	Sterile	Package Type	Pack
UFPT-1000MR	100-1,000 ul	-	Yes	rack pack	96/rack, 50racks/case
UFPT-F-1000M	100-1,000 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-1000MB	100-1,000 ul	-	-	bulk pack	1,000/bag, 10bags/case
UFPT-F-1000MB	100-1,000 ul	Yes	-	bulk pack	1,000/bag, 10bags/case



CHAPTER 9

Low Retention Pipette Tips



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, 8acks/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

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



Part NO.	Volume	With Filter	Sterile	Package Type	Pack
UFPT-200SR-L	1-200 ul	-	Yes	rack pack	96/rack, 50racks/case
UFPT-F-200S-L	1-200 ul	Yes	Yes	rack pack	96/rack, 50racks/case
UFPT-200SB-L	1-200 ul	-	-	bulk pack	1,000/bag, 10bags/case
UFPT-F-200SB-L	1-200 ul	Yes	-	bulk pack	1,000/bag, 10bags/case

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



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

CHAPTER 10

Compatibility List

(Pipette Tip)

Continuously updating



EPPENDORF		PIPETTE TIPS																				FILTER TIPS																													
PIPETTE BRAND	PRODUCT NO.	UFPT-10B	UFPT-10EB	UFPT-10ETB	UFPT-10R	UFPT-REF-10	UFPT-10ER	UFPT-10ETR	UFPT-REF-10ET	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-10ETB	UFPT-F-10ET	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	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	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	100-1000ul	
Eppendorf Research Plus	0.1-2.5ul-1(dark gray)	√	√	√	√	√	√	√	√																√	√	√	√	√	√																					
	0.5-10ul-12(grey)	√	√	√	√	√	√	√	√																√	√	√	√	√	√																					
	0.5-10-1(grey)	√	√	√	√	√	√	√	√																√	√	√	√	√	√																					
	0.5-10ul-8(grey)	√	√	√	√	√	√	√	√																√	√	√	√	√	√																					
	2-20ul-1(light gray)	√	√	√	√	√	√	√	√																		√	√	√	√	√																				
	2-20ul-1(yellow)									√	√	√																			√	√	√	√	√	√															
	10-100ul-1									√	√	√	√	√																	√	√	√	√	√	√															
	10-100ul-8									√	√	√	√	√	√	√	√	√													√	√	√	√	√	√															
	10-100ul-12									√	√	√	√	√	√	√	√	√													√	√	√	√	√	√															
	20-200ul-1									√	√	√	√	√	√	√	√	√													√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	
	30-300ul-12									√	√	√	√	√	√	√	√	√													√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	30-300ul-1									√	√	√	√	√	√	√	√	√													√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	100-1000ul-1																		√	√	√	√	√	√	√																			√	√	√	√	√	√	√	
120-1200ul-8																				√	√	√	√	√																				√	√	√	√	√	√	√	
GILSON																																																			
GILSON PIPETMAN (PN)	2-20ul-1									√	√	√																			√	√																			
	10-100ul-1									√	√	√	√	√	√	√	√																√	√	√	√	√	√													
GILSON PIPETMAN (PL)	1-10ul-8	√	√	√	√	√	√	√	√																√	√	√	√	√	√																					
	2-20ul-8									√	√	√			√	√	√													√	√																				
	20-200ul-1									√	√	√	√	√	√	√	√																√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	
	20-200ul-8									√	√	√	√	√	√	√	√																√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	100-1000ul-1																	√	√	√	√	√	√	√																			√	√	√	√	√	√	√		
THERMO																																																			
Thermo Finnpiptette (F1)	5-50ul-8									√	√	√	√	√	√	√	√														√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Thermo Finnpiptette (F2)	10-100ul-8									√	√	√	√	√																	√	√	√	√	√	√	√	√			√	√									
Thermo Finnpiptette (F3)	1-10ul-1(μTip)	√	√	√	√	√	√	√	√																	√	√	√	√	√	√																				
	1-10ul-1									√	√	√	√	√	√	√	√														√	√	√	√																	
	2-20ul-1									√	√	√			√	√	√														√	√																			
	2-20ul-1(μTip)	√	√	√	√	√	√	√	√																	√	√	√	√	√	√																				
	5-50ul-1									√	√	√	√	√	√	√	√																√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	
	5-50ul-1(μTip)	√	√	√	√	√	√	√	√																	√	√	√	√	√	√																				
	100-1200ul-8																			√	√	√	√	√	√																				√	√	√	√	√	√	

BIOHIT		PIPETTE TIPS																								FILTER TIPS																										
PIPETTE BRAND	PRODUCT NO.	UFPT-10B	UFPT-10EB	UFPT-10ETB	UFPT-10R	UFPT-REF-10	UFPT-10ER	UFPT-10ETR	UFPT-REF-10ET	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-10ETB	UFPT-F-10ET	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	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	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	100-1000ul	100-1000ul	
BIOHIT PROLINE		0.5-10ul-12	√		√	√	√		√	√															√	√			√	√																						
		2-20ul-1									√	√	√	√	√																√	√	√	√	√	√																
		5-50ul-8									√	√	√	√	√	√	√	√														√	√	√	√	√	√	√	√													
		50-300ul-8									√	√	√	√	√	√	√	√															√	√	√	√	√	√	√	√												
		100-1000ul-1																		√	√	√	√	√	√																		√	√	√	√	√	√	√			
BRAND																																																				
BRAND		0.5-10ul-8	√	√	√	√	√	√	√																	√	√	√	√	√	√																					
		5-50ul-1									√	√	√	√	√																	√	√	√	√	√	√															
		10-100ul-8									√	√	√	√	√	√	√	√														√	√	√	√	√	√															
		30-300ul-12									√	√	√	√	√	√	√	√														√	√	√	√	√	√	√	√													
DLAB																																																				
DLAB		0.5-10ul-8	√	√		√	√	√																		√	√	√	√																							
		2-20ul-1									√	√	√	√	√	√	√	√															√	√	√	√	√	√														
		5-50ul-1									√	√	√	√	√	√	√	√															√	√	√	√	√	√														
		10-100ul-1									√	√	√	√	√	√	√	√															√	√	√	√	√	√	√	√	√	√										
		50-300ul-8																															√	√	√	√	√	√	√	√	√	√										
		100-1000ul-1																		√	√	√	√	√	√	√																	√	√	√	√	√	√	√	√		