

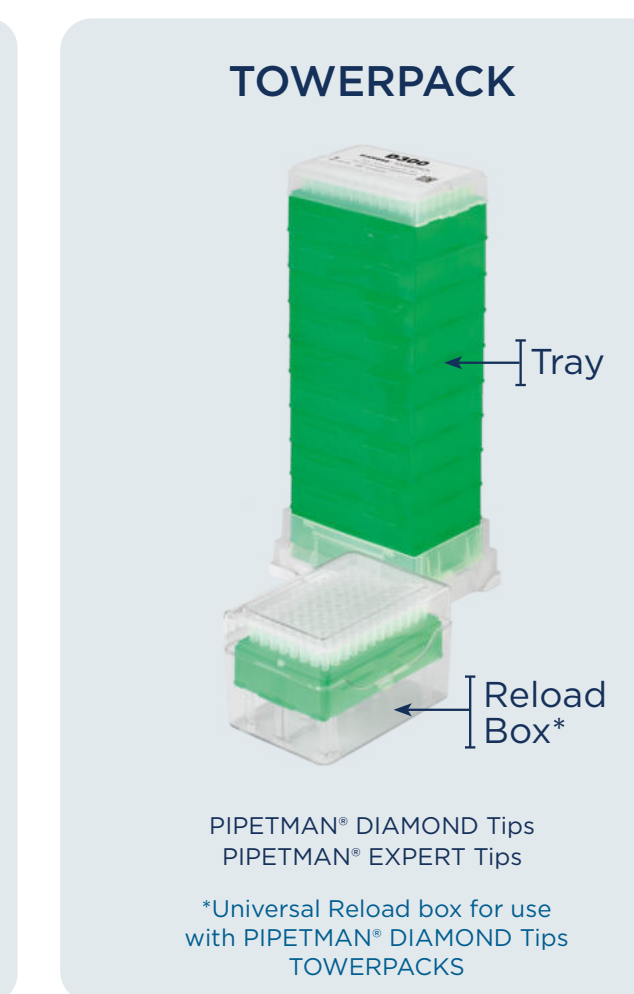
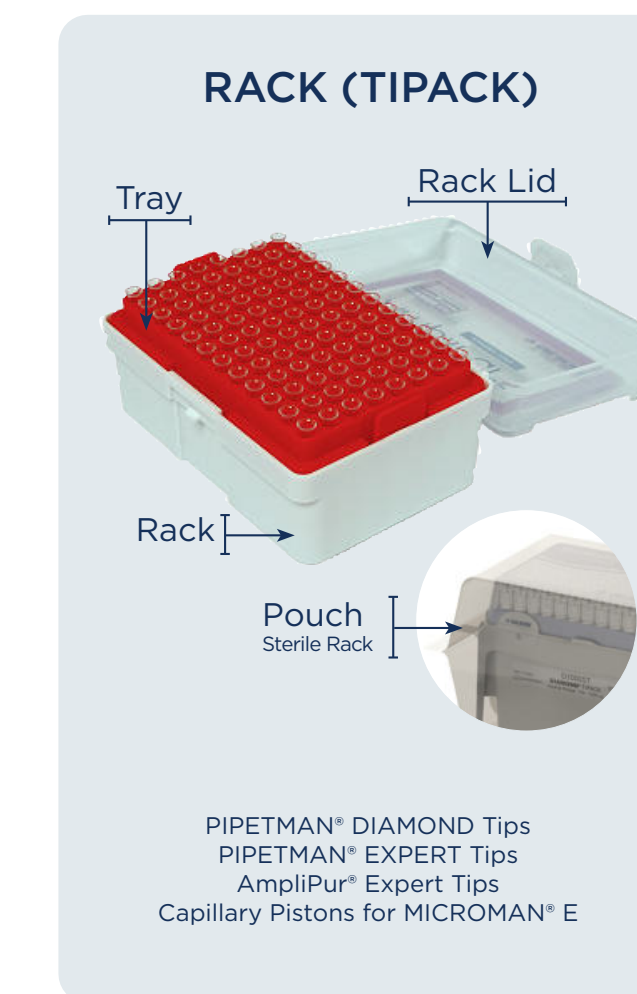


Gilson Consumable Data

Gilson Consumable	Nominal Volume	Volume Range	With or Without Filter	RACK (TIPACK)		REFILL (RELOAD)		TOWERPACK (RELOAD)		BULK (ECOPACK & EASYPACK)		INDIVIDUALLY PACKED (STERILPACK)	Consumable Length (mm)	Inner Diameter Tip Point (mm)	Component Materials	Sterilization Method* (Sterile References Only)						
				Autoclavable, No Trace of Metal	Sterile	Autoclavable, No Trace of Metal	Sterile	Autoclavable, No Trace of Metal	Sterile	No Trace of Metal	Free of Nucleic Acid, Nuclease, Pyrogens, & Metal	Free of Nucleic Acid, Nuclease, Pyrogens, & Metal										
																	Free of RNase, DNase**		Free of RNase, DNase**		Free of RNase, DNase**	
																	Free of RNase, DNase**		Free of RNase, DNase**		Free of RNase, DNase**	
PIPETMAN® DIAMOND Tips	10 µL (short collar)	0.1-10 µL	Filter tips Non filter tips	- F171100	F171103 F171101	- F171100	- F171101	- F167101	- F167201	- F161630, F161631	- -	- -	30 45	0.4 0.4	Tips: Polypropylene Filter: Polyethylene Rack: Polypropylene Tray: Polypropylene Rack lid: Polypropylene	Sterility Assurance Level SAL 10 ⁻⁶ by gamma or x-Ray radiation						
	10 µL (long collar)	0.1-10 µL 0.1-20 µL	Filter tips Non filter tips	- F171200	- F171201	- F167012, F172200, F172210	- F172203, F172213	- F172201, F172211	- F167102	- F167202	- F161450, F161451	- -	- -	51			0.4					
	30 µL	2-30 µL	Filter tips	-	F171303	-	-	F172303, F172313	-	-	-	-	-	51			0.4					
	100 µL	10-100 µL	Filter tips	-	F171403	-	-	F172403	-	-	-	-	-	51			0.4					
	200 µL	20-200 µL	Filter tips Non filter tips	- F171300	- F171301	- F167013, F172300, F172310	- F172301, F172311	- F167103	- F167203	- F161930, F161931	- -	- F161330	- -	51			0.4					
	300 µL	10-300 µL	Filter tips Non filter tips	- F171400	- F171401	- F172400	- F172401	- F167105	- F167205	- F161730, F161731	- -	- -	- -	51			0.4					
	1000 µL	100-1000 µL	Filter tips Non filter tips	- F171500	- F171501	- F167014, F172500, F172510	- F172501, F172511	- F167104	- F167204	- F161670, F161671	- -	- F161340	- -	66			0.85					
	1200 µL	50-1200 µL	Filter tips Non filter tips	- F171600	- F171601	- F172800	- F172801	- -	- -	- F161110, F161111	- -	- -	- -	84			0.75					
	5 mL	0.5-5 mL	Non filter tips	F161370	-	-	-	-	-	F161571	-	-	-	104			1.5					
	10 mL	1-10 mL	Non filter tips	F161230	-	-	-	-	-	F161210	-	-	-	160			1.9					

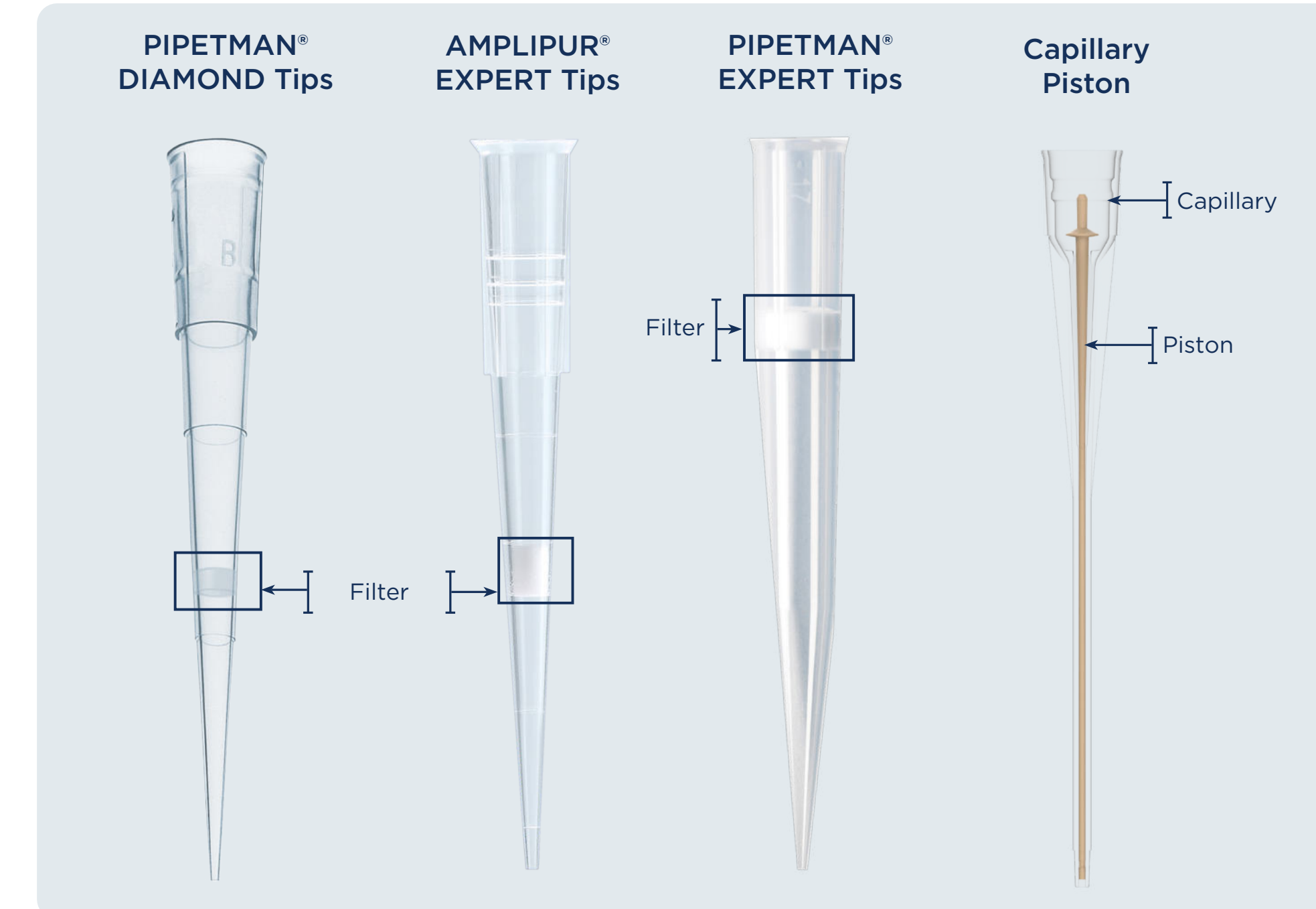
Gilson Consumable	Nominal Volume	Volume Range	With or Without Filter	RACK (TIPACK)		TOWERPACK (RELOAD)	BULK (MEGAPACK & EASYPACK)	Consumable Length (mm)	Inner Diameter Tip Point (mm)	Component Materials	Sterilization Method* (Sterile References Only)
				Free of RNase, DNase, Human DNA, Pyrogens, PCR Inhibitors	Free of RNase, DNase, Human DNA, Pyrogens, PCR Inhibitors	Free of RNase, DNase, Human DNA, Pyrogens, PCR Inhibitors	Free of RNase, DNase, Human DNA, Pyrogens, PCR Inhibitors				
PIPETMAN® EXPERT Tips	10 µL (short collar)	0.1-10 µL	Filter tips Non filter tips	- F1731001, F1731002, F1731181, F1731182, F1731281, F1731282	F1731031, F1731032	-	-	28.83 28.83 (TIPACK/STERILIZED TIPACK) 45.72 (GEL LOADING TIPS)	0.38	Tips: Polypropylene Filter: Polyethylene Rack: Polypropylene Tray: Polypropylene Rack lid: Polypropylene	Sterility Assurance Level SAL 10 ⁻³ by gamma radiation
	10 µL (long collar)	0.1-10 µL 0.1-20 µL	Filter tips Non filter tips	- F1732001, F1732002	F1732031, F1731032	-	-	45.34	0.38		
	20 µL	1-20 µL	Filter tips	-	F1733031, F1733032	-	-	51.44	0.45		
	100 µL	1-100 µL	Filter tips	-	F1734031, F1734032	-	-	51.44	0.45		
	200 µL	1-200 µL	Filter tips Non filter tips	- F1733001, F1733002, F1733181, F1733182, F1733281, F1733282	F1735031, F1735032	-	-	51.44 (TIPACK/STERILIZED TIPACK/TOWERPACK/MEGAPACK/EASYPACK) 82.55 (GEL LOADING TIPS)	0.45		
	300 µL	1-300 µL	Filter tips Non filter tips	- F1736001, F1736002	F1736031, F1736032	-	-	77.50	0.5		
	1000 µL	50-1250 µL	Filter tips Non filter tips	- F1735001, F1735002	F1737031, F1737032	-	-	58.57	0.81		

PIPETMAN EXPERT TIPS are available in select countries only.



Gilson Consumable	Nominal Volume	Volume Range	With or Without Filter	RACK (TIPACK)	Consumable Length (mm)	Inner Diameter Tip Point (mm)	Component Materials	Sterilization Method
				Amplipur® Sterile, Free of Human DNA, RNA, DNase, RNase				
Amplipur® Expert Tips	10 µL	0.5-10 µL	Filter tips	F174100	39.1	0.4	Tips: Polypropylene Filter: Polyethylene Rack: Polypropylene Tray: Polypropylene Rack lid: Polypropylene Plastic pouch: Polyamide (PA), Polyethylene (PE)	Sterility Assurance Level SAL 10 ⁻⁶ by E-Beam radiation
	20 µL	1-20 µL	Filter tips	F174200	52	0.5		
	200 µL	10-200 µL	Filter tips	F174300	59.3	0.5		
	1000 µL	100-1000 µL	Filter tips	F174400	88	0.9		
	1200 µL	100-1200 µL	Filter tips	F174500	101.5	0.9		

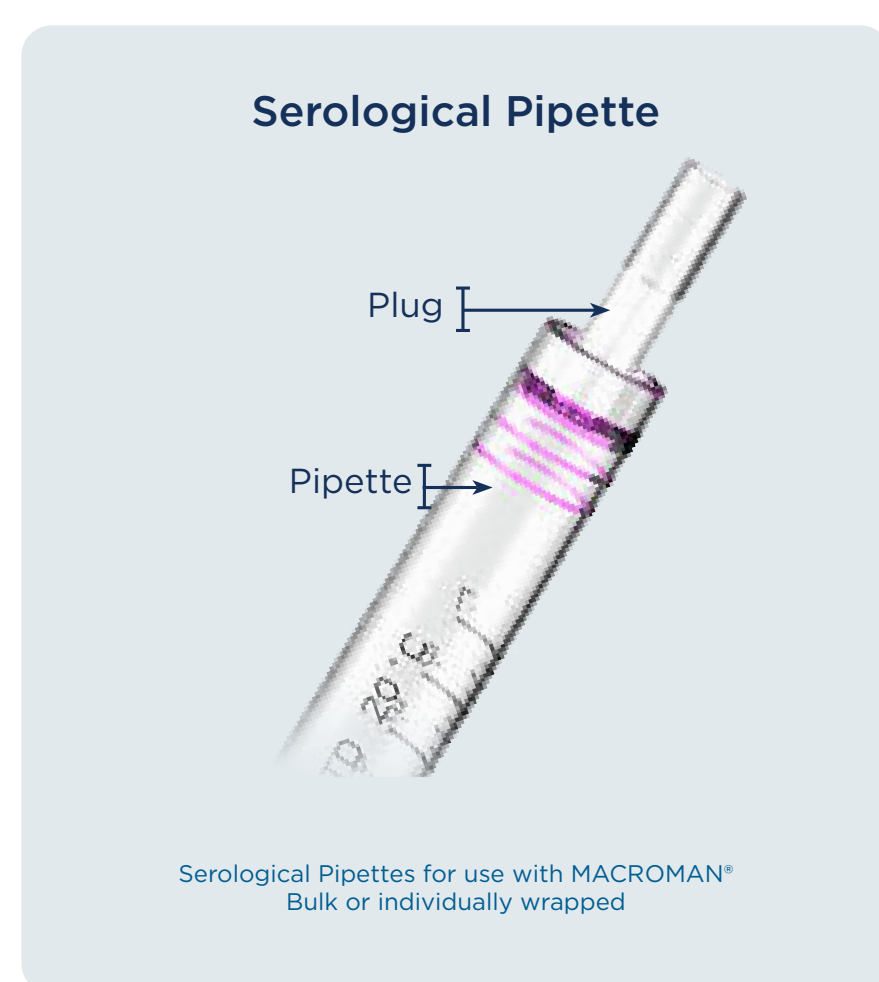
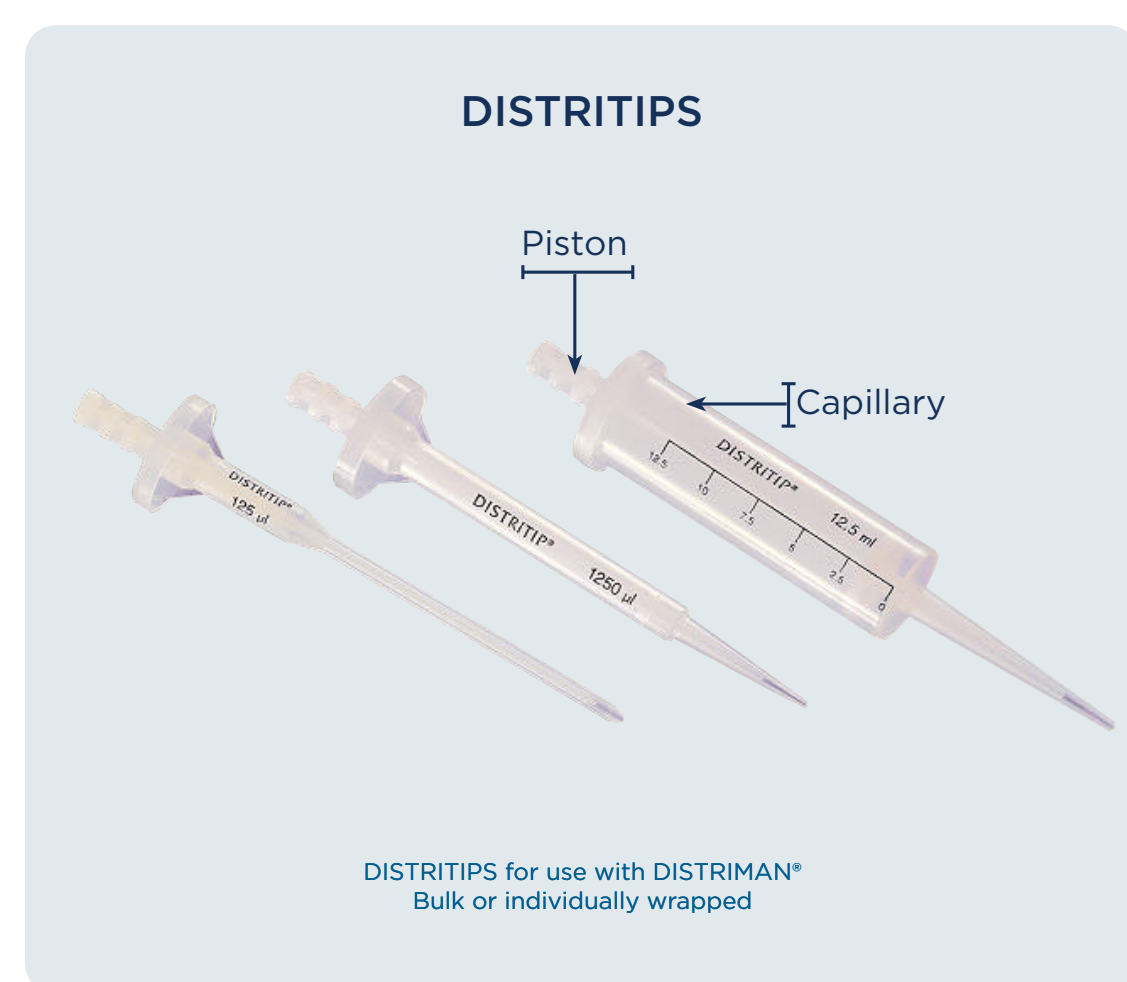
Gilson Consumable	Volume Range	RACK (TIPACK ASSEMBLED)		Consumable Length (mm)	Inner Diameter Tip Point (mm)	Component Materials	Sterilization Method* (Sterile References Only)		
		No Trace of Metal	Free of DNA, RNA, RNase, DNase, Pyrogens						
								Free of RNase, DNase**	
								Free of RNase, DNase**	
Capillary Piston	1-10 µL	F148412, F148312	F148413, F148313	45.1	0.66	Capillary: Polypropylene Piston: Liquid Crystal Polymer	Sterility Assurance Level SAL 10 ⁻⁶ by beta radiation		
	3-25 µL	F148012	F148712	86.2	0.89	Rack: Polypropylene Tray: Polypropylene Rack lid: Polypropylene	Sterility Assurance Level SAL 10 ⁻⁶ by ETO (Ethylene Oxide)		
	20-50 µL	F148013	F148713	86.35	1.26				
	10-100 µL	F148414, F148314	F148415, F148315	41.8	0.5	Capillary: Polypropylene Piston: High Density Polyethylene	Sterility Assurance Level SAL 10 ⁻⁶ by ETO (Ethylene Oxide)		
	50-250 µL	F148014	F148714	86.45	0.9	Rack: Polypropylene Tray: Polypropylene Rack lid: Polypropylene			
100-1000 µL	F148560	F148180	70.4	1.02	Capillary: Polypropylene Piston: Polyoxymethylene	Sterility Assurance Level SAL 10 ⁻⁶ by beta radiation			



Gilson Consumable	Volume Range	BULK	INDIVIDUALLY WRAPPED	Consumable Length (mm)	Inner Diameter Tip Point (mm)	Component Materials	Sterilization Method* (Sterile References Only)
		Gilson standard	Pre-Sterile				
		No Trace of Metal Free of RNase, DNase**	Free of DNA, RNA, RNase, DNase, Pyrogens				
DISTRITIPS	125 µL Aliquot: 1-12.5 µL	F164100	F164130	102	0.4	Capillary: Polypropylene Piston: High Density Polyethylene	Sterility Assurance Level between SAL 10 ⁻² and SAL 10 ⁻³ by gamma radiation
	1250 µL Aliquot: 10-125 µL	F164110	F164140	93.5	0.5	Capillary: Polypropylene Piston: High Density Polyethylene	
	12.5 mL Aliquot: 0.1-1.25 mL	F164120	F164150	112	1	Capillary: Polypropylene Piston: High Density Polyethylene	

Gilson Consumable	Gilson Brand	Volume Range	INDIVIDUALLY WRAPPED	Consumable Length (mm)	Inner Diameter Tip Point (mm)	Component Materials	Sterilization Method* (Sterile References Only)
			CytoPur™ Sterile, free of RNase, DNase, Pyrogens				
Serological Pipettes	CytoPur™ Serological Pipettes	1 mL	F110122	279.40	1.67	Pipette: USP Class VI Polystyrene Plug: Polyester	Sterility Assurance Level SAL 10 ⁻⁶ by beta radiation
		2 mL	F110124	282.58	1.63		
		5 mL	F110126	348.15	1.57		
		10 mL	F110128	346.81	1.57		
		25 mL	F110130	310.90	2.36		
		50 mL	F110131	368.17	3.18		

Gilson Consumable	Gilson Brand	Compatible Instruments	Volume Range	BULK	INDIVIDUALLY WRAPPED	Consumable Dimensions (LxWxH mm)	Component Materials	Sterilization Method* (Sterile References Only)
				CorePur™	CytoPur™			
				Gilson Standard	Sterile, free of RNase, DNase, Pyrogen, Endotoxin			
Reagent Reservoirs	CorePur™ Reagent Reservoirs	Automated Pipetting System	195 mL	FQ10001	-	127.76 x 85.48 x 31.40	Reservoir: Polypropylene Plastic bag: Polyethylene	-
			180 mL or 12 x 15 mL	FQ10002	-	127.76 x 85.48 x 31.40		
			190 mL or 4 x 47.5 mL	FQ10003	-	127.76 x 85.48 x 31.40		
		Manual Pipetting System	10 mL	FQ10053	-	104.5 x 53.5 x 21	Reservoir: Polystyrene Plastic bag: Polyethylene	
			25 mL	FQ10054	-	146.5 x 65 x 25		
			50 mL	FQ10055	-	146.3 x 81.3 x 27		
	CytoPur™ Reagent Reservoirs	Manual Pipetting System	10 mL	-	FQ10050	104.5 x 53.5 x 21	Reservoir: Polystyrene Plastic bag: Polyethylene and Polyethylene Terephthalate	Sterility Assurance Level SAL 10 ⁻⁶ by ETO (Ethylene Oxide)
			25 mL	-	FQ10051	146.3 x 65 x 25		
50 mL			-	FQ10052	146.3 x 81.3 x 27			



NOTE
Cleanliness Level
 Corepur: Non-sterile
 AmpliPur: Sterile, Free of Human DNA, RNA, DNase, RNase
 CytoPur: Sterile, Free of RNase, DNase, Pyrogens

Chemical Resistance of Plastics

Product	Steel	PET	Nitril	EPDM	LCP	PA	PBT	PC	PE	PVDF	TPX	POM	PP	PS
Acetamide		++	N/A	++	++	N/A	++	N/A	N/A	++	N/A	++	++	++
Ethyl acetate		++	+	-	++	++	++	++	++	++	+	N/A	++	-
Acetone		++	+	-	++	++	++	-	++	++	+	+	++	-
Acetonitrile		++	N/A	+	++	+	N/A	N/A	-	++	+	N/A	++	-
Acetic acid	20 %	++	++	+	++	++	++	N/A	++	++	++	++	++	++
	50 %	++	++	+	++	++	-	N/A	+	++	++	++	++	++
	100 %	++	++	-	++	+	-	N/A	-	++	++	+	++	N/A
Hydrochloric acid	10 %	-	++	++	++	++	-	++	++	++	++	++	++	++
	20 %	-	+	+	++	++	-	+	++	++	++	++	++	++
	37 %	-	-	-	++	++	-	-	+	++	++	-	++	-
Hydrofluoric acid	20 %	+	+	-	++	+	-	+	++	++	++	++	++	+
	40 %	-	+	-	++	-	-	-	+	++	++	++	++	-
Formic acid	100 %	++	N/A	-	++	++	-	+	-	++	++	N/A	+	++
Nitric acid	10 %	++	++	+	++	++	-	++	++	++	++	++	++	+
	30 %	++	+	-	+	++	-	+	++	++	++	++	-	+
	65 %	++	-	-	-	+	-	-	+	+	++	-	-	-
Phosphoric acid	20 %	++	N/A	+	++	N/A	-	++	++	++	++	++	++	N/A
	85 %	++	N/A	-	++	N/A	-	++	++	++	++	-	++	++
Propionic acid	50 %	++	-	+	N/A	N/A	++	++	+	++	++	N/A	-	++
	100 %	++	-	-	N/A	N/A	+	++	-	++	++	N/A	-	++
Sulfuric acid	20 %	++	++	+	+	++	+	++	++	++	++	++	++	++
	50 %	++	++	-	+	++	-	+	++	++	++	-	++	+
	95 %	++	+	-	-	-	-	-	+	++	++	-	+	-
Trifluoroacetic acid	20 %	++	N/A	-	N/A	N/A	+	N/A	++	++	++	N/A	++	N/A
	100 %	++	N/A	-	N/A	N/A	-	N/A	-	++	++	N/A	-	++
Benzyl alcohol		++	++	-	N/A	N/A	+	N/A	-	++	++	-	++	-
Aniline		++	-	+	++	N/A	++	N/A	-	+	++	N/A	+	++
Butanol / Butyl alcohol		++	++	++	++	N/A	++	++	++	++	N/A	++	++	++
Chloroform		++	-	-	-	N/A	+	-	-	+	++	+	-	-
Cyclohexane		++	++	++	-	N/A	++	N/A	++	++	-	+	++	+
Diacetone alcohol		++	++	+	N/A	N/A	N/A	N/A	N/A	+	N/A	N/A	++	N/A
Methylene chloride		++	+	-	-	N/A	-	-	-	+	++	++	++	+
Diethylene glycol		++	N/A	++	++	++	N/A	N/A	N/A	++	++	++	++	-
Dimethylformamide (DMF)		++	++	-	+	++	++	++	-	++	-	++	++	++
Dimethylsulfoxide (DMSO)		++	N/A	-	N/A	N/A	+	N/A	-	++	N/A	N/A	N/A	-
Dioxane (1,4)		++	++	-	+	N/A	++	++	-	++	+	N/A	++	+
Ethanol		++	++	++	++	++	++	++	++	++	++	++	++	-
Ether		++	++	++	+	N/A	++	++	++	++	++	++	++	-
Formaldehyde		++	++	++	++	N/A	++	N/A	++	++	++	++	++	-
Hexane		++	N/A	++	-	+	++	++	+	++	+	++	++	-
Hydrogen peroxide	50 %	++	N/A	+	++	N/A	++	++	++	++	++	++	++	++
Ammonium hydroxide	20 %	++	++	++	++	N/A	N/A	+	-	++	N/A	++	++	++
	10 %	++	+	++	++	++	++	+	-	++	++	++	++	++
Sodium hydroxide	40 %	++	-	+	++	++	++	+	-	++	++	++	++	++
	15 % Cl	+	N/A	+	++	++	++	++	++	++	++	-	+	+
Methanol		++	++	++	++	+	++	++	+	++	++	++	++	-
Methyl ethyl ketone		++	++	-	+	++	++	++	-	++	-	+	++	-
Pentane		++	N/A	++	-	N/A	N/A	N/A	++	++	++	+	++	N/A
Tetrahydrofuran (TH-)		++	++	+	+	+	++	+	-	+	+	N/A	+	-
Urea		++	++	N/A	N/A	-	++	++	N/A	++	++	N/A	++	N/A

PET = Polyethylene Terephthalate
 Nitril = Nitrile
 EPDM = Ethylene Propylene
 LCP = Liquid Cristal Polymer
 PA = Polyamide
 PBT = Polybutylene Terephthalate
 PC = Polycarbonate
 PE = Polyethylene
 PVDF = Polyvinylidene fluoride

TPX = Polymethylpentene
 POM = Polyoxymethylene
 PP = Polypropylene
 PS = Polystyrene
 ++ No chemical degradation
 + Medium resistance to chemical agents
 - Low resistance to chemical agents
 N/A No data available

For additional information, please contact your local Gilson sales representative.

*Sterility Assurance Level SAL (ISO 11137): quantitative value to assure sterility SAL 10⁻⁶. Probability of 1 in 1,000,000 of finding a non-sterile unit.

**Tips have been verified to be free of RNase and DNase.

More details are available in the Gilson Product Guide.