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)
				Gilson Standard	Sterile	Gilson Standard	Sterile	Gilson Standard	Sterile	Gilson Standard	Sterile	Sterile				
				Autoclavable, No Trace of Metal Free of RNase, DNase**	Free of Nucleic Acid, Nuclease, Pyrogens, & Metal	Autoclavable, No Trace of Metal Free of RNase, DNase**	Free of Nucleic Acid, Nuclease, Pyrogens, & Metal	Autoclavable, No Trace of Metal Free of RNase, DNase**	Free of Nucleic Acid, Nuclease, Pyrogens,& Metal	No Trace of Metal Free of RNase, DNase**	Free of Nucleic Acid, Nuclease, Pyrogens, & Metal	Free of Nucleic Acid, Nuclease, Pyrogens, & Metal				
PIPETMAN® DIAMOND Tips	10 µL (short collar)	0.1-10 µL	Filter tips	-	F171103	-	-	-	-	-	-	-	30	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
			Non filter tips	F171100	F171101			F167101	F167201	F161630, F161631						
	10 µL (long collar)	0.1-10 µL	Filter tips	-	F171203	-	F172203, F172213	-	-		-	-	45	0.4		
		0.1-20 µL	Non filter tips	F171200	F171201	F167012, F172200, F172210	F172201, F172211	F167102	F167202	F161450, F161451						
	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	-	F171503	-	F172503, F172513	-	-	-	-	-	51	0.4		
		2-200 µL	Non filter tips	F171300	F171301	F167013, F172300, F172310	F172301, F172311	F167103	F167203	F161930, F161931		F161330				
	300 µL	10-300 µL	Filter tips	-	F171603	-	F172703	-	-	-	-	-	51	0.4		
			Non filter tips	F171400	F171401	F172400	F172401	F167105	F167205	F161730, F161731						
	1000 µL	100-1000 µL	Filter tips	-	F171703	-	F172603, F172613		-	-	-	-	66	0.85		
			Non filter tips	F171500	F171501	F167014, F172500, F172510	F172501, F172511	F167104	F167204	F161670, F161671		F161340				
	1200 µL	50-1200 µL	Filter tips	-	F171803	-	F172803	-	-	-	-	-	84	0.75		
			Non filter tips	F171600	F171601	F172800	F172801			F161110 F161111						
	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)
				Gilson Standard	Sterile	Gilson Standard	Gilson Standard				
				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	-	F1731031, F1731032	-	-	28.83	0.38	Tips: Polypropylene Filter: Polyethylene Rack: Polypropylene Tray: Polypropylene Rack lid: Polypropylene	Sterility Assurance Level SAL 10^{-3} by gamma radiation
			Non filter tips	F1731001, F1731002, F1731181, F1731182, F1731281, F1731282	F1731011, F1731012	-	-	28.83 (TIPACK/STERILIZED TIPACK) 45.72 (GEL LOADING TIPS)			
	10 µL (long collar)	0.1-10 µL	Filter tips	-	F1732031, F1731032	-	-	45.34	0.38		
		0.1-20 µL	Non filter tips	F1732001, F1732002	F1732011, F1732012	F1732051, F1732052, F1732061	F1732071, F1732072, F1734511, F1734512				
	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	-	F1735031, F1735032	-	-	58.57	0.45		
			Non filter tips	F1733001, F1733002, F1733181, F1733182, F1733281, F1733282	F1733011, F1733012, F1733381, F1733382, F1733481, F1733482	F1733051, F1733052, F1733061	F1733071, F1733072, F1739311, F1739312	51.44 (TIPACK/ STERILIZED TIPACK/TOWERPACK/MEGAPACK/ EASYPACK) 82.55 (GEL LOADING TIPS)			
	300 µL	1-300 µL	Filter tips	-	F1736031, F1736032	-	-	77.50	0.5		
			Non filter tips	F1736001, F1736002	F1736011, F1736012	F1736051, F1736052, F1736061		58.57			
	1000 µL	50-1250 µL	Filter tips	-	F1737031, F1737032	-	-	102.2	0.81		
			Non filter tips	F1735001, F1735002	F1735011, F1735012	F1735051, F1735052, F1735061					

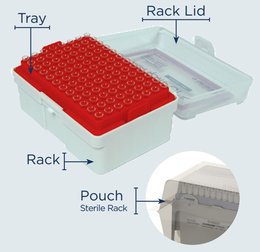
PIPETMAN EXPERT TIPS are available in select countries only.

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)
		Gilson Standard	Sterile				
		No Trace of Metal Free of RNase, DNase**	Free of DNA, RNA, RNase, DNase, Pyrogens				
Capillary Piston	1-10 µL	F148412, F148312	F148413, F148313	45.1	0.66	Capillary: Polypropylene Piston: Liquid Crystal Polymer Rack: Polypropylene Tray: Polypropylene Rack lid: Polypropylene	Sterility Assurance Level SAL 10^{-6} by beta radiation
	3-25 µL	F148012	F148712	86.2	0.89		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 Rack: Polypropylene Tray: Polypropylene Rack lid: Polypropylene	Sterility Assurance Level SAL 10^{-6} by ETO (Ethylene Oxide)
	50-250 µL	F148014	F148714	86.45	0.9		
	100-1000 µL	F148560	F148180	70.4	1.02	Capillary: Polypropylene Piston: Polyoxymethylene Rack: Polypropylene Tray: Polypropylene Rack lid: Polypropylene	Sterility Assurance Level SAL 10^{-6} by beta radiation

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RACK (TIPACK)



PIPETMAN® DIAMOND Tips
PIPETMAN® EXPERT Tips
AmpliPur® Expert Tips
Capillary Pistons for MICROMAN® E

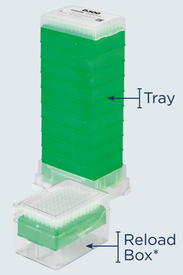
REFILL (RELOAD)



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*Empty Box for use with RELOAD PACK and BLISTER REFILL.

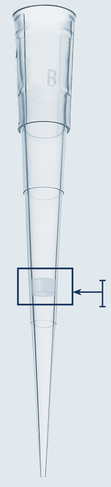
TOWERPACK



PIPETMAN® DIAMOND Tips
PIPETMAN® EXPERT Tips

*Universal Reload box for use with PIPETMAN® DIAMOND Tips TOWERPACKS

PIPETMAN® DIAMOND Tips



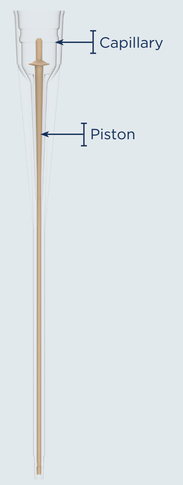
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Capillary Piston

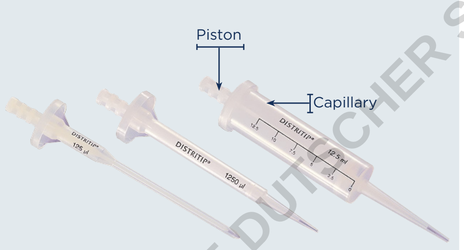


Gilson Consumable	Volume Range	BULK Gilson standard No Trace of Metal Free of RNase, DNase**	INDIVIDUALLY WRAPPED Pre-Sterile Free of DNA, RNA, RNase, DNase, Pyrogens	Consumable Length (mm)	Inner Diameter Tip Point (mm)	Component Materials	Sterilization Method* (Sterile References Only)
DISTRITIPS	125 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^{-6} 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 CytoPur™ Sterile, free of RNase, DNase, Pyrogens	Consumable Length (mm)	Inner Diameter Tip Point (mm)	Component Materials	Sterilization Method* (Sterile References Only)
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		

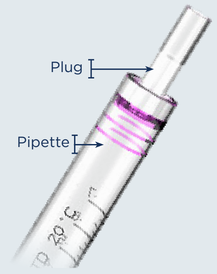
Gilson Consumable	Gilson Brand	Compatible Instruments	Volume Range	BULK CorePur™ Gilson Standard	INDIVIDUALLY WRAPPED CytoPur™ Sterile, free of RNase, DNase, Pyrogen, Endotoxin	Consumable Dimensions (LxWxH mm)	Component Materials	Sterilization Method* (Sterile References Only)
Reagent Reservoirs	CorePur™ 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		

DISTRITIPS



DISTRITIPS for use with DISTRIMAN®
Bulk or individually wrapped

Serological Pipette



Serological Pipettes for use with MACROMAN®
Bulk or individually wrapped

Reagent Reservoirs



Reagent Reservoirs for use with
manual liquid handling and automated liquid handling
Bulk or individually wrapped

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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	N/A	++	++	++
Ethyl acetate		++	+	-	++	++	++	++	++	++	++	+	N/A	++	-
Acetone		++	+	-	++	++	++	++	-	++	++	+	+	++	-
Acetonitrile		++	N/A	+	++	+	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
	80 %	++	N/A	-	N/A	N/A	-	N/A	+	++	++	N/A	+	++	N/A
	100 %	++	N/A	-	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	++	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	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	++	++	++	+
Sodium hydroxide	10 %	++	+	++	++	++	++	+	-	++	++	++	++	++	++
	40 %	++	-	+	++	++	++	+	-	++	++	++	++	++	++
Sodium hypochlorite	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 additionnal 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.

gilson.com/contactus

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