CELL CULTURE
SOLUTIONS

When a single drop of fluid can make the difference in someone's health, you need smart fluid handling solutions that get the job done safely. Manufacturers worldwide rely on connector products that improve yield, cut costs and reduce time to market.

FlowLinX® cell culture solutions are the optimal choice for ease of use and versatility in your workflows.

Our products can be customized to your application and come presterilized, ready to use, ensuring you maintain purity and integrity of your cell lines. Choose FlowLinX® cell culture solutions to accelerate your research, drug development and manufacturing projects.

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FLOWLINX®

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PC FLASK SPECIFICATIONS:

- ☑ Manufactured in an ISO 7 Cleanroom
- ⊘ ISO 9001:2015 Certified Facility
- ♡ USP Class VI and Animal Component Free
- 🌡 Non-Pyrogenic and DNase/RNAse Free
- ⚛ Sterilizable by Gamma Irradiation and Autoclave
- ⊕ Available with Sterility Assurance level 10^{-6} per ISO 11137

PETG FLASK SPECIFICATIONS:

- ☑ Manufactured in an ISO 7 Cleanroom
- ⊘ ISO 9001:2015 Certified Facility
- ♡ USP Class VI and Animal Component Free
- 🌡 Non-Pyrogenic and DNase/RNAse Free
- ⚛ Sterilizable by Gamma Irradiation
- ⊕ Available with Sterility Assurance level 10^{-6} per ISO 11137

PC/PETG FLASK REGULATORY OVERVIEW

Material of Construction
PC or PETG

Biocompatibility
USP <85>, Bacterial Endotoxin

USP <87>, Biological Reactivity Tests, Cytotoxicity, In Vitro

USP <88>, Biological Reactivity Tests, Class VI, In Vivo

ISO 10993-4, Hemolysis

ISO 10993-5, Cytoxicity

ISO 10993-6, Implantation

ISO 10993-10, Irritation and Sensitization

ISO 10993-11, Systemic Toxicity

Physiochemical
USP <661>, Plastic Packaging Systems

Particulate
USP <788>, Particulate Matter in Injections

Legislation
REACH

RoHS

Shelf Life
5 Years, Non-Sterile/Non-Irradiated

ERLENMEYER FLASKS:

PART NUMBER	VOLUME	FLASK BOTTOM	FLASK MATERIAL	STERILITY CLAIM	QTY PER PACK/CASE
F-PCF-125ML-G	125mL	Baffled	Polycarbonate	Sterile	1/24
F-PGFP-125ML-G		Plain	PETG		
F-PCFP-125ML-G		Plain	Polycarbonate		
F-PCF-125ML	125mL	Baffled	Polycarbonate	Non-Sterile	1/24
F-PGFP-125ML		Plain	PETG		
F-PCFP-125ML		Plain	Polycarbonate		
F-PCF-250ML-G	250mL	Baffled	Polycarbonate	Sterile	1/12
F-PGFP-250ML-G		Plain	PETG		
F-PCFP-250ML-G		Plain	Polycarbonate		
F-PCF-250ML	250mL	Baffled	Polycarbonate	Non-Sterile	1/12
F-PGFP-250ML		Plain	PETG		
F-PCFP-250ML		Plain	Polycarbonate		
F-PCF-500ML-G	500mL	Baffled	Polycarbonate	Sterile	1/12
F-PGFP-500ML-G		Plain	PETG		
F-PCFP-500ML-G		Plain	Polycarbonate		
F-PCF-500ML	500mL	Baffled	Polycarbonate	Non-Sterile	1/12
F-PGFP-500ML		Plain	PETG		
F-PCFP-500ML		Plain	Polycarbonate		
F-PCF-001L-G	1L	Baffled	Polycarbonate	Sterile	1/12
F-PGFP-001L-G		Plain	PETG		
F-PCFP-001L-G		Plain	Polycarbonate		
F-PCF-001L	1L	Baffled	Polycarbonate	Non-Sterile	1/12
F-PGFP-001L		Plain	PETG		
F-PCFP-001L		Plain	Polycarbonate		
F-PCFP-003L-G	3L	Plain	Polycarbonate	Sterile	1/12
F-PCFP-005L-G	5L	Plain	Polycarbonate		1/6
F-PCFP-003L	3L	Plain	Polycarbonate	Non-Sterile	1/12
F-PCFP-005L	5L	Plain	Polycarbonate		1/6

FLASK CAPS:

PART NUMBER	DESCRIPTION	CAP MATERIAL	HOSE BARB ID	CLOSURE SIZE	PACK SIZE	STERILITY CLAIM
F-FCC-2BS	2 Port Cap	Polypropylene	(2) – 1/8"	125mL Erlenmeyer Flask	12	Non-Sterile
F-FCC-3BS	3 Port Cap	Polypropylene	(3) – 1/8"	125mL Erlenmeyer Flask	12	Non-Sterile
F-FCC-2B	2 Port Cap	Polypropylene	(2) – 1/8"	250mL/500mL/1L Erlenmeyer Flask	12	Non-Sterile
F-FCC-3B	3 Port Cap	Polypropylene	(3) – 1/8"	250mL/500mL/1L Erlenmeyer Flask	12	Non-Sterile
F-FCC-2BL	2 Port Cap	Polypropylene	(2) – 1/4"	3L/5L Erlenmeyer Flask	12	Non-Sterile
F-FCC-3BL	3 Port Cap	Polypropylene	(3) – 1/4"	3L/5L Erlenmeyer Flask	12	Non-Sterile
F-FCC-1	Solid Flat Cap	Polypropylene	N/A	125mL Erlenmeyer Flask	12	Non-Sterile
F-FCC-2	Solid Flat Cap	Polypropylene	N/A	250mL/500mL/1L Erlenmeyer Flask	12	Non-Sterile
F-FCC-3	Solid Flat Cap	Polypropylene	N/A	3L/5L Erlenmeyer Flask	12	Non-Sterile

ERLENMEYER FLASK ASEPTIC TRANSFER CAP:

PART NUMBER	FLASK VOLUME	CONFIGURATION	QUANTITY PER PACK/CASE	STERILITY CLAIM	FIGURE DETAILS
F-FCA-250ML-2	250ml	Line 1: 1/8" x 1/4" TPE Tubing; 24" OAL w/ Male Luer Lock ; Diptube Line 2: 1/8" x 1/4" , 4" OAL w/ vent filter	1/4	Sterile	Figure 1
F-FCA-500ML-2	500mL	Line 1: 1/8" x 1/4" TPE Tubing; 24" OAL w/ Male Luer Lock ; Diptube Line 2: 1/8" x 1/4" , 4" OAL w/ vent filter			
F-FCA-001L-2	1L	Line 1: 1/8" x 1/4" TPE Tubing; 24" OAL w/ Male Luer Lock ; Diptube Line 2: 1/8" x 1/4" , 4" OAL w/ vent filter			
F-FCA-003L-2	3L	Line 1: 1/8" x 1/4" TPE Tubing; 24" OAL w/ Male Luer Lock ; Diptube Line 2: 1/8" x 1/4" , 4" OAL w/ vent filter	1/2		
F-FCA-005L-2	5L				

FLASK ASSEMBLIES: 2 PORT CAP

PART NUMBER	VOLUME	FLASK BOTTOM	FLASK MATERIAL	CONFIGURATION	QUANTITY PER PACK/CASE	STERILITY CLAIM	FIGURE DETAILS
F-PCFA-250ML-2	250mL	Baffled	Polycarbonate	Line 1: 1/8" x 1/4" TPE Tubing; 24" OAL w/ Male Luer Lock ; Diptube Line 2: 1/8" x 1/4" , 4" OAL w/ vent filter	1/4	Sterile	Figure 2
F-PGFPA-250ML-2		Plain	PETG				
F-PCFPA-250ML-2		Plain	Polycarbonate				
F-PCFA-500ML-2	500mL	Baffled	Polycarbonate	Line 1: 1/8" x 1/4" TPE Tubing; 24" OAL w/ Male Luer Lock ; Diptube Line 2: 1/8" x 1/4" , 4" OAL w/ vent filter			
F-PGFPA-500ML-2		Plain	PETG				
F-PCFPA-500ML-2		Plain	Polycarbonate				
F-PCFA-001L-2	1L	Baffled	Polycarbonate	Line 1: 1/8" x 1/4" TPE Tubing; 24" OAL w/ Male Luer Lock ; Diptube Line 2: 1/8" x 1/4" , 4" OAL w/ vent filter			
F-PGFPA-001L-2		Plain	PETG				
F-PCFPA-001L-2		Plain	Polycarbonate				
F-PCFA-003L-2	3L	Plan	Polycarbonate	Line 1: 1/8" x 1/4" TPE Tubing; 24" OAL w/ Male Luer Lock ; Diptube Line 2: 1/8" x 1/4" , 4" OAL w/ vent filter	1/2		Figure 3
F-PCFA-005L-2	5L	Plain	Polycarbonate				Figure 4

FLASK ASSEMBLIES: 3 PORT CAP

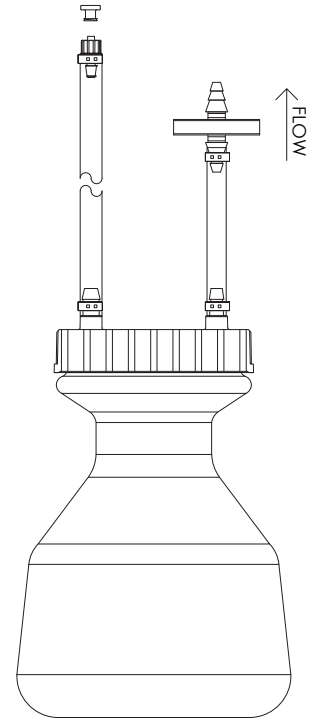| PART NUMBER	VOLUME	FLASK BOTTOM	FLASK MATERIAL	CONFIGURATION	QUANTITY PER PACK/CASE	STERILITY CLAIM	FIGURE DETAILS
F-PCFA-250ML-3	250ml	Baffled	Polycarbonate	Line 1: 1/8" x 1/4" TPE Tubing; 24" OAL w/ Male Luer Lock; Diptube Line 2: 1/8" x 1/4" , 4" OAL w/ vent filter Line 3: 1/8" x 1/4" TPE Tubing; 24" OAL w/ MPC; Diptube	1/4	Sterile	Figure 5
F-PGFPA-250ML-3		Plain	PETG				
F-PCFPA-250ML-3		Plain	Polycarbonate				
F-PCFA-500ML-3	500mL	Baffled	Polycarbonate	Line 1: 1/8" x 1/4" TPE Tubing; 24" OAL w/ Male Luer Lock; Diptube Line 2: 1/8" x 1/4" , 4" OAL w/ vent filter Line 3: 1/8" x 1/4" TPE Tubing; 24" OAL w/ MPC; Diptube			
F-PGFPA-500ML-3		Plain	PETG				
F-PCFPA-500ML-3		Plain	Polycarbonate				
F-PCFA-001L-3	1L	Baffled	Polycarbonate	Line 1: 1/8" x 1/4" TPE Tubing; 24" OAL w/ Male Luer Lock; Diptube Line 2: 1/8" x 1/4" , 4" OAL w/ vent filter Line 3: 1/8" x 1/4" TPE Tubing; 24" OAL w/ MPC; Diptube			
F-PGFPA-001L-3		Plain	PETG				
F-PCFPA-001L-3		Plain	Polycarbonate				
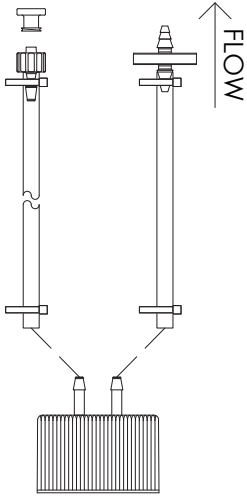
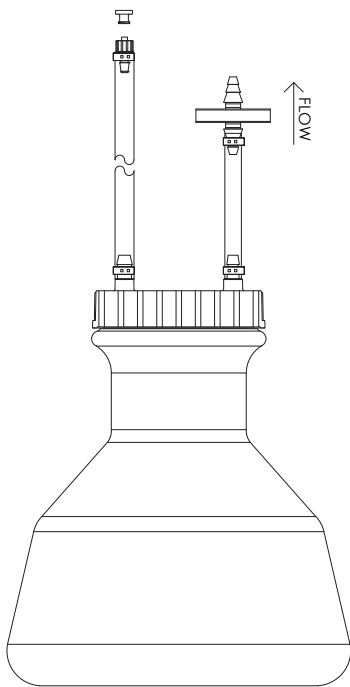**Figure 1**
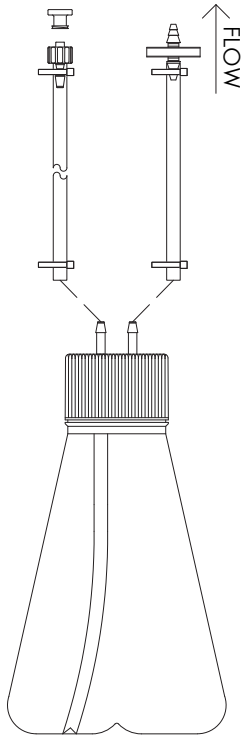
Figure 2

Figure 3
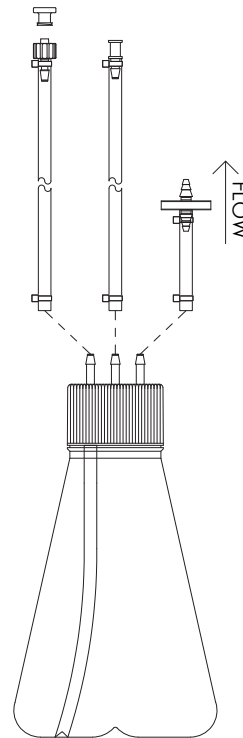

Figure 4

Figure 5

SPECIFICATIONS:

☑ Manufactured in an ISO 7 Cleanroom

✓ ISO 9001:2015 Certified Facility

♡ USP Class VI and Animal Component Free

⊙ Available with pH and DO Optical Sensors

⬚ Available in 1L, 2L, 10L, 20L and 50L sizes

◎ All Hose Barb Ports are ¼" ID

↗↑ Optimized for cell lines that have Irgafos™ antioxidant sensitivity

🛡 Sterility Assurance Level 10⁻⁶ per ISO 11137

BAG FILM REGULATORY OVERVIEW

Material of Construction

ULDPE Fluid Contact Layer

Biocompatibility

USP <85>, Bacterial Endotoxin

USP <88>, Biological Reactivity Tests, Class VI, In Vivo

USP <87>, Biological Reactivity Tests, In Vitro

ISO 10993-4, Hemolysis

ISO 10993-5, Cytoxicity

ISO 10993-6, Implantation

ISO 10993-10, Irritation and Sensitization

ISO 10993-11, Systemic Toxicity

Physiochemical

USP <661>, Plastic Packaging Systems

EP 3.2.2.1, Plastic Containers for Aqueous Solutions for Infusion

Extractables

Per BPOG Protocol

BLANK CHAMBERS

PART NUMBER	CAPACITY	VERSION	FIGURE
F-RBC-001L	1L	Basic	1
F-RBC-002L	2L	Basic	2
F-RBC-002L-S	2L	pH/DO Sensors	3
F-RBC-010L	10L	Basic	4
F-RBC-010L-S	10L	pH/DO Sensors	5
F-RBC-020L	20L	Basic	6
F-RBC-020L-S	20L	pH/DO Sensors	7
F-RBC-050L	50L	Basic	8
F-RBC-050L-S	50L	pH/DO Sensors	9

Figure 1	Figure 2	Figure 3
F-RBW-001L	F-RBW-002L	F-RBW-002L-S
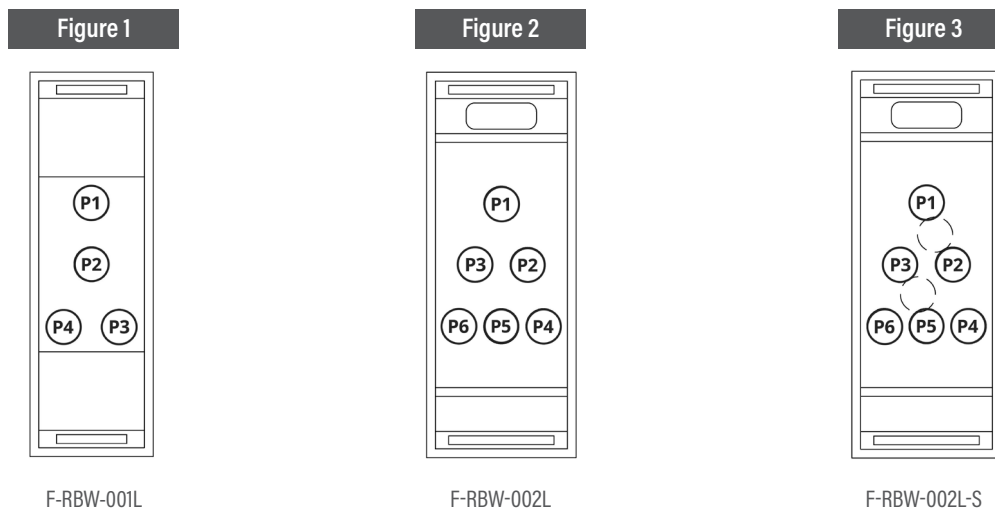
FIGURE 1

PART NUMBER	CAPACITY	VERSION	PORTS	DESCRIPTION	PORTS	DESCRIPTION
F-RBW-001L	1L	Basic	1	Air Inlet Filter	3	1/4" x 7/16" TPE, 40" OAL with female MPC
			2	Air Outlet Filter, Check Valve	4	1/4" x 3/8" Silicone, Needless Sampling

FIGURE 2

PART NUMBER	CAPACITY	VERSION	PORTS	DESCRIPTION	PORTS	DESCRIPTION
F-RBW-002L	2L	Basic	1	1/8" x 1/4" TPE, 40" OAL with female luer	4	1/4" x 7/16" TPE, 40" OAL with female MPC
			2	Air Outlet Filter, Check Valve	5	1/4" x 3/8" Silicone, Needless Sampling
			3	Air Inlet Filter	6	1/4" x 7/16" TPE, 40" OAL with female luer

FIGURE 3

PART NUMBER	CAPACITY	VERSION	PORTS	DESCRIPTION	PORTS	DESCRIPTION
F-RBW-002L-S	2L	pH/DO Sensors	1	1/8" x 1/4" TPE, 40" OAL with female luer	4	1/4" x 7/16" TPE, 40" OAL with female MPC
			2	Air Outlet Filter, Check Valve	5	1/4" x 3/8" Silicone, Needless Sampling
			3	Air Inlet Filter	6	1/4" x 7/16" TPE, 40" OAL with female luer
			7	pH Optical Sensor	8	DO Optical Sensor

FLOWLINX® ROCKING BIOREACTOR BAGS

Figure 4	Figure 5	Figure 6

F-RBW-010L

F-RBW-010L-S

F-RBW-020L
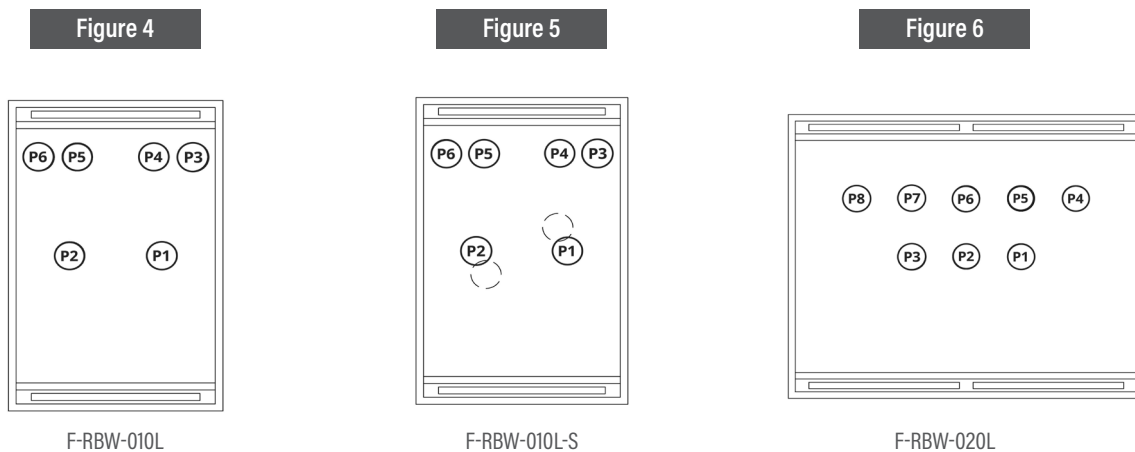
FIGURE 4

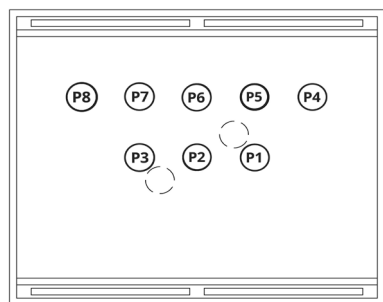| PART NUMBER	VERSION	PORTS	DESCRIPTION	PORTS	DESCRIPTION
F-RBW-010L	10L	Basic	1	Air Inlet Filter	4	1/4" x 3/8" Silicone, Needless Sampling
			2	Air Outlet Filter, Check Valve	5	1/4" x 7/16" TPE, 40" OAL with female luer
			3	1/4" x 7/16" TPE, 40" OAL with female MPC	6	1/8" x 1/4" TPE, 40" OAL with female luer

FIGURE 5

PART NUMBER	VERSION	PORTS	DESCRIPTION	PORTS	DESCRIPTION
F-RBW-010L-S	10L	pH/DO Sensors	1	Air Inlet Filter	4	1/4" x 3/8" Silicone, Needless Sampling
			2	Air Outlet Filter, Check Valve	5	1/4" x 7/16" TPE, 40" OAL with female luer
			3	1/4" x 7/16" TPE, 40" OAL with female MPC	6	1/8" x 1/4" TPE, 40" OAL with female luer
			7	pH Optical Sensor	8	DO Optical Sensor

FIGURE 6

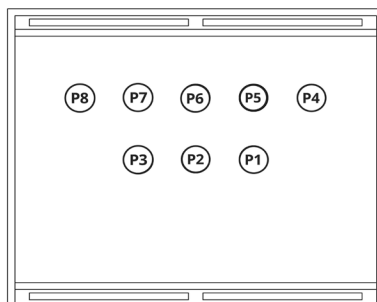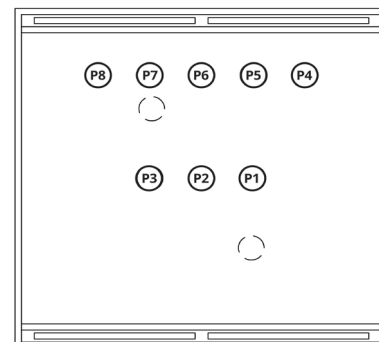| PART NUMBER	VERSION	PORTS	DESCRIPTION	PORTS	DESCRIPTION
F-RBW-020L	20L	Basic	1	Air Inlet Filter	4	1/4" x 7/16" TPE, 40" OAL with female MPC
			2	Air Outlet Filter, Check Valve	5	3/8" x 5/8" TPE, 40" OAL with female MPC
			3	1/4" x 7/16" TPE, 40" OAL with female luer	6	1/4" x 7/16" TPE, 40" OAL with female luer
			7	1/4" x 7/16" TPE, 40" OAL with female luer	8	1/8" x 1/4" TPE, 40" OAL with female luer

Figure 7

F-RBW-020L-S

Figure 8

F-RBW-050L

Figure 9

F-RBW-050L-S

FIGURE 7

PART NUMBER	VERSION	PORTS	DESCRIPTION	PORTS	DESCRIPTION
F-RBW-020L-S	20L	pH/DO Sensors	1	Air Inlet Filter	4	1/4" x 7/16" TPE, 40" OAL with female MPC
			2	Air Outlet Filter, Check Valve	5	3/8" x 5/8" TPE, 40" OAL with female MPC
			3	1/4" x 7/16" TPE, 40" OAL with female luer	6	1/4" x 7/16" TPE, 40" OAL with female luer
			7	1/4" x 7/16" TPE, 40" OAL with female luer	8	1/8" x 1/4" TPE, 40" OAL with female luer
			9	pH Optical Sensor	10	DO Optical Sensor

FIGURE 8

PART NUMBER	VERSION	PORTS	DESCRIPTION	PORTS	DESCRIPTION
F-RBW-050L	50L	Basic	1	Air Inlet Filter	4	1/4" x 7/16" TPE, 40" OAL with female MPC
			2	Air Outlet Filter, Check Valve	5	3/8" x 5/8" TPE, 40" OAL with female MPC
			3	1/4" x 7/16" TPE, 40" OAL with female luer	6	1/4" x 7/16" TPE, 40" OAL with female luer
			7	1/4" x 7/16" TPE, 40" OAL with female luer	8	1/8" x 1/4" TPE, 40" OAL with female luer

FIGURE 9

PART NUMBER	VERSION	PORTS	DESCRIPTION	PORTS	DESCRIPTION
F-RBW-050L-S	50L	pH/DO Sensors	1	Air Inlet Filter	4	1/4" x 7/16" TPE, 40" OAL with female MPC
			2	Air Outlet Filter, Check Valve	5	3/8" x 5/8" TPE, 40" OAL with female MPC
			3	1/4" x 7/16" TPE, 40" OAL with female luer	6	1/4" x 7/16" TPE, 40" OAL with female luer
			7	1/4" x 7/16" TPE, 40" OAL with female luer	8	1/8" x 1/4" TPE, 40" OAL with female luer
			9	pH Optical Sensor	10	DO Optical Sensor

PETG BOTTLE SPECIFICATIONS:

- ☑ Manufactured in an ISO 7 Cleanroom
- ⊘ ISO 9001:2015 Certified Facility
- ♡ USP Class VI and Animal Component Free
- 🌡 Non-Pyrogenic and DNase/RNAse Free
- ⚛ Sterilizable by Gamma Irradiation
- ⊕ Available with Sterility Assurance Level 10^{-6} per ISO 11137

PET BOTTLE SPECIFICATIONS:

- ☑ Manufactured in an ISO 7 Cleanroom
- ⊘ ISO 9001:2015 Certified Facility
- ♡ USP Class VI and Animal Component Free
- 🌡 Non-Pyrogenic and DNase/RNAse Free
- ⚛ Sterilizable by Gamma Irradiation
- ⊕ Available with Sterility Assurance level 10^{-6} per ISO 11137

PETG/PET BOTTLE REGULATORY OVERVIEW

Material of Construction
PETG or PET

Biocompatibility
USP <85>, Bacterial Endotoxin

USP <87>, Biological Reactivity Tests, Cytotoxicity, In Vitro

USP <88>, Biological Reactivity Tests, Class VI, In Vivo

ISO 10993-4, Hemolysis

ISO 10993-5, Cytoxicity

ISO 10993-6, Implantation

ISO 10993-10, Irritation and Sensitization

ISO 10993-11, Systemic Toxicity

Physiochemical
USP <661>, Plastic Packaging Systems

Particulate
USP <788>, Particulate Matter in Injections

Legislation
REACH

RoHS

Shelf Life
5 Years, Non-Sterile/Non-Irradiated

customerservice@carolinaflow.com ◆ www.carolinaflow.com ◆ 919.635.8438

MEDIA BOTTLES:

PART NUMBER	VOLUME	BOTTLE MATERIAL	QTY PER PACK/CASE	STERILITY CLAIM
F-PGB-060ML-G	60mL	PETG	24/192	Sterile
F-PGB-060ML	60mL	PETG	24/192	Non-Sterile
F-PGB-125ML-G	125 mL	PETG	24/96	Sterile
F-PTB-125ML-G	125 mL	PET	24/96	Sterile
F-PGB-125ML	125 mL	PETG	24/96	Non-Sterile
F-PTB-125ML	125 mL	PET	24/96	Non-Sterile
F-PGB-250ML-G	250 mL	PETG	30/60	Sterile
F-PTB-250ML-G	250 mL	PET	56/224	Sterile
F-PGB-250ML	250 mL	PETG	30/60	Non-Sterile
F-PTB-250ML	250 mL	PET	56/224	Non-Sterile
F-PGB-500ML-G	500 mL	PETG	24/48	Sterile
F-PTB-500ML-G	500 mL	PET	40/120	Sterile
F-PGB-500ML	500 mL	PETG	24/48	Non-Sterile
F-PTB-500ML	500 mL	PET	40/120	Non-Sterile
F-PGB-001L-G	1 L	PETG	12/24	Sterile
F-PTB-001L-G	1 L	PET	20/40	Sterile
F-PGB-001L	1 L	PETG	12/24	Non-Sterile
F-PTB-001L	1 L	PET	20/40	Non-Sterile
F-PGB-002L-G	2 L	PETG	12/12	Sterile
F-PGB-002L	2 L	PETG	12/12	Non-Sterile

MEDIA BOTTLE CAPS:

PART NUMBER	DESCRIPTION	CAP MATERIAL	HOSE BARB ID	CLOSURE SIZE	PACK SIZE
F-MBC-2B	2 Port Cap	Polypropylene	(2) -1/8"	125mL/250mL/500mL/1L/2L Media Bottle	12
F-MBC-3B	3 Port Cap	Polypropylene	(3) -1/8"	125mL/250mL/500mL/1L/2L Media Bottle	12
F-MBC-2C	2 Port Cap	Polypropylene	(2) -1/8"	60mL Media Bottle	12

MEDIA BOTTLE ASSEMBLY WITH 2 PORT CAP:

PART NUMBER	VOLUME	BOTTLE MATERIAL	CONFIGURATION	QTY PER PACK/CASE	STERILITY CLAIM	FIGURE DETAILS
F-PGBA-125ML-2	125mL	PETG	Line 1: 1/8" x 1/4" TPE Tubing; 24" OAL w/ MPC; Diptube Line 2: 1/8" x 1/4" , 4" OAL w/ vent filter	1/6	Sterile	Figure 1
F-PTBA-125ML-2		PET				
F-PGBA-250ML-2	250ml	PETG	Line 1: 1/8" x 1/4" TPE Tubing; 24" OAL w/ MPC; Diptube Line 2: 1/8" x 1/4" , 4" OAL w/ vent filter	1/6	Sterile	
F-PTBA-250ML-2		PET				
F-PGBA-500ML-2	500mL	PETG	Line 1: 1/8" x 1/4" TPE Tubing; 24" OAL w/ MPC; Diptube Line 2: 1/8" x 1/4" , 4" OAL w/ vent filter	1/6	Sterile	
F-PTBA-500ML-2		PET				
F-PGBA-001L-2	1L	PETG	Line 1: 1/8" x 1/4" TPE Tubing; 24" OAL w/ MPC; Diptube Line 2: 1/8" x 1/4" , 4" OAL w/ vent filter	1/6	Sterile	
F-PTBA-001L-2		PET				

MEDIA BOTTLE ASSEMBLY WITH 3 PORT CAP:

PART NUMBER	VOLUME	BOTTLE MATERIAL	CONFIGURATION	QTY PER PACK/CASE	STERILITY CLAIM	FIGURE DETAILS
F-PGBA-125ML-3	125mL	PETG	Line 1: 1/8" x 1/4" TPE Tubing; 24" OAL w/ MPC ; Diptube Line 2: 1/8" x 1/4" , 4" OAL w/ vent filter Line 3: 1/8" x 1/4" TPE Tubing; 24" OAL w/ MPC; Diptube	1/6	Sterile	Figure 2
F-PTBA-125ML-3		PET				
F-PGBA-250ML-3	250ml	PETG	Line 1: 1/8" x 1/4" TPE Tubing; 24" OAL w/ MPC ; Diptube Line 2: 1/8" x 1/4" , 4" OAL w/ vent filter Line 3: 1/8" x 1/4" TPE Tubing; 24" OAL w/ MPC; Diptube	1/6	Sterile	
F-PTBA-250ML-3		PET				
F-PGBA-500ML-3	500mL	PETG	Line 1: 1/8" x 1/4" TPE Tubing; 24" OAL w/ MPC ; Diptube Line 2: 1/8" x 1/4" , 4" OAL w/ vent filter Line 3: 1/8" x 1/4" TPE Tubing; 24" OAL w/ MPC; Diptube	1/6	Sterile	
F-PTBA-500ML-3		PET				
F-PGBA-001L-3	1L	PETG	Line 1: 1/8" x 1/4" TPE Tubing; 24" OAL w/ MPC ; Diptube Line 2: 1/8" x 1/4" , 4" OAL w/ vent filter Line 3: 1/8" x 1/4" TPE Tubing; 24" OAL w/ MPC; Diptube	1/6	Sterile	
F-PTBA-001L-3		PET				

Figure 1

Figure 2
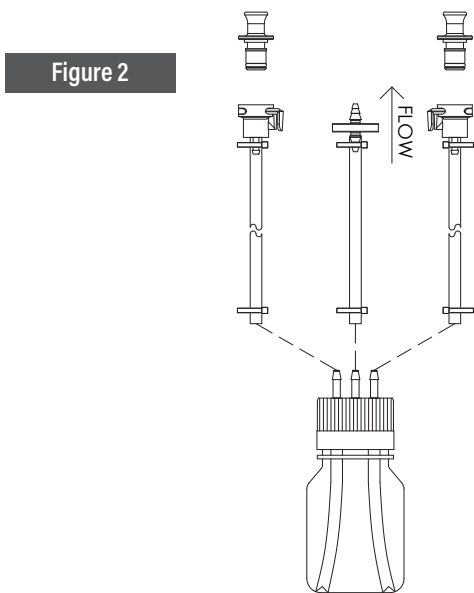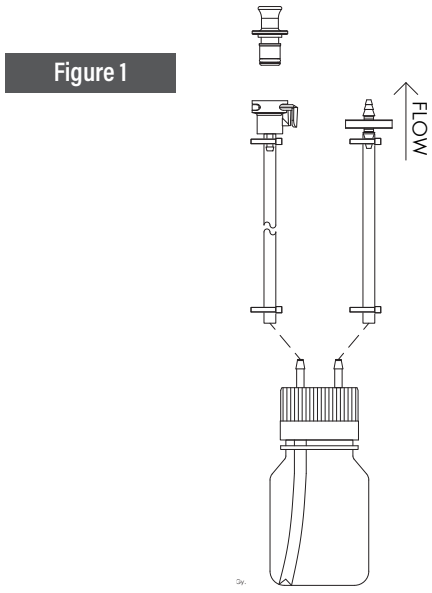
DESCRIPTION:

FlowLinX® 2D bio bag chambers are designed for aseptic fluid handling in upstream and downstream processing, such as sampling, buffer and media storage, and chromatography. The bag chamber design allows for easy product recovery with minimal product hold up. Made from USP Class VI components, FlowLinX® 2D bio bag chambers are available from 50mL to 50L in 3 port and 4 port configurations.

SPECIFICATIONS:

- ☑ Manufactured in an ISO 7 Cleanroom

- 🛡 ISO 9001:2015 Certified Facility

- ♡ USP <88> Class VI & Animal Component Free

- ⬦ Aseptically connect using AseptiQuik® or TPE tube welder

- ✕ Aseptically disconnect using TPE tube sealer

- ⬚ Double bagged and ready to use

- ⚛ Sterility assurance level 10^{-6} per ISO 11137
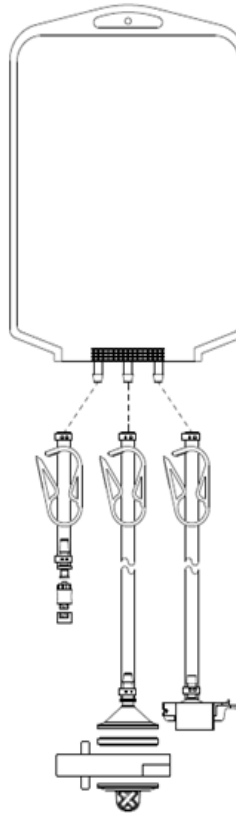
2D BIO BAG ASSEMBLIES
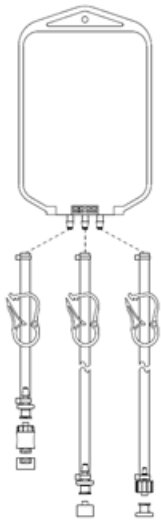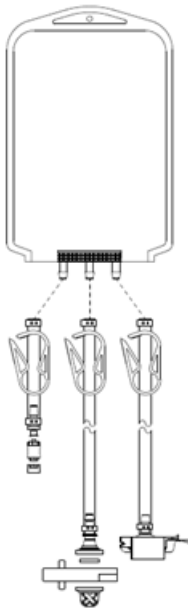
Figure 1

Figure 2
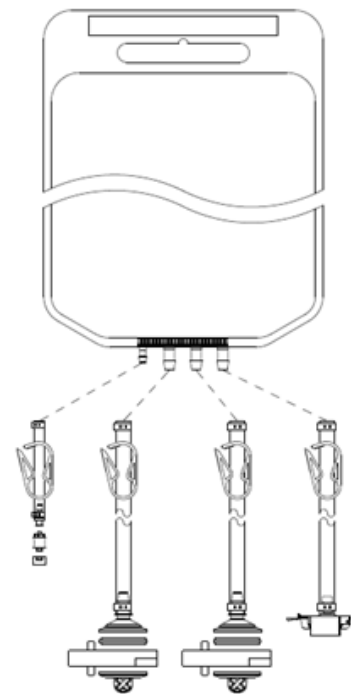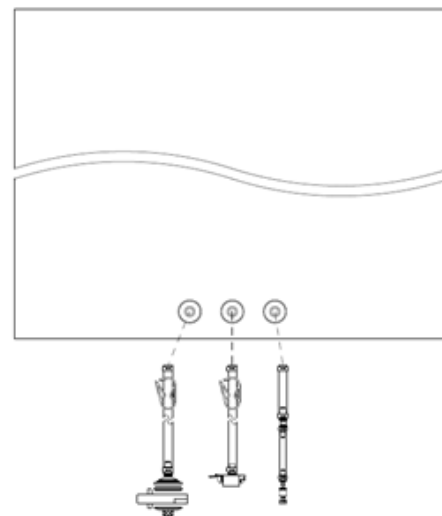
Figure 3

Figure 4

BAG FILM REGULATORY OVERVIEW:

Material of Construction
ULDPE Fluid Contact Layer
Biocompatibility
USP <85>, Bacterial Endotoxin
USP <88>, Biological Ractivity Tests, Class VI, In Vivo
USP <87>, Biological Teactivity Test, In Vitro
ISO 10993-4, Hemolysis
ISO 10993-5, Cytotoxicity
ISO 10993-6, Implantation
ISO 10993-10, Irritation and Sensitization
ISO 10993-11, Systemic Toxicity
Physiochemical
USP <661>, Plastic Packaging Systems
EP 3.2.2.1, Plastic Containers for Aqueous Solutions for Infusion
Extractables
Per BPOG Protocol

Figure 5

PART NUMBER	VOLUME	TUBING	CONFIGURATION	QTY	FIGURE DETAILS
F-2DBA-050ML-SIL	50 mL	Platinum Cured Silicone	Line 1: 1/8" x 1/4", 12" OAL with male luer Line 2: 1/8"x 1/4" 12" OAL with female luer Line 3: 1/8" x 1/4", 4" OAL with needle-free luer sampling valve	Each	Figure 1
F-2DBA-100ML-SIL	100 mL				
F-2DBA-250ML-SIL	250 mL				
F-2DBA-500ML-SIL	500 mL	Platinum Cured Silicone	Line 1: 1/4" x 1/2", 12" OAL with AseptiQuik® G Line 2: 1/4" x 1/2", 12" OAL with mini TC Line 3: 1/4" x 1/2", 4" OAL with needle-free luer sampling valve	Each	Figure 2
F-2DBA-001L-SIL	1 L	Platinum Cured Silicone	Line 1: 1/4" x 1/2", 12" OAL with AseptiQuik® G Line 2: 1/4" x 1/2", 12" OAL with maxi TC Line 3: 1/4" x 1/2", 4" OAL with needle-free luer sampling valve	Each	Figure 3
F-2DBA-002L-SIL	2 L				
F-2DBA-003L-SIL	3 L				
F-2DBA-005L-SIL	5 L	Platinum Cured Silicone	Line 1: 3/8" x 5/8", 12" OAL with AseptiQuik® G Line 2: 3/8" x 5/8", 12" OAL with maxi TC Line 3: 3/8" x 5/8", 12" OAL with maxi TC Line 4: 1/4" x 1/2", 4" OAL with needle-free luer sampling valve	Each	Figure 4
F-2DBA-010L-SIL	10 L				
F-2DBA-020L-SIL	20 L				
F-2DBA-030L-SIL	30 L				
F-2DBA-050L-SIL	50 L				
F-2DBA-100L-SIL	100 mL	Platinum Cured Silicone	Line 1: 3/8" x 5/8", 12" OAL with maxi TC Line 2: 3/8" x 5/8", 12" OAL with AseptiQuik® G Line 3: 1/4" x 1/2", 8" OAL with needle-free luer sampling valve	Each	Figure 5
F-2DBA-050ML-TPE	50 mL	TPE	Line 1: 1/8" x 1/4", 12" OAL with male luer Line 2: 1/8"x 1/4" 12" OAL with female luer Line 3: 1/8" x 1/4", 4" OAL with needle-free luer sampling valve	Each	Figure 1
F-2DBA-100ML-TPE	100 mL				
F-2DBA-250ML-TPE	250 mL				
F-2DBA-500ML-TPE	500 mL	TPE	Line 1: 1/4" x 1/2", 12" OAL with AseptiQuik® G Line 2: 1/4" x 1/2", 12" OAL with mini TC Line 3: 1/4" x 1/2", 4" OAL with needle-free luer sampling valve	Each	Figure 2
F-2DBA-001L-TPE	1 L	TPE	Line 1: 1/4" x 1/2", 12" OAL with AseptiQuik® G Line 2: 1/4" x 1/2", 12" OAL with maxi TC Line 3: 1/4" x 1/2", 4" OAL with needle-free luer sampling valve	Each	Figure 3
F-2DBA-002L-TPE	2 L				
F-2DBA-003L-TPE	3 L				
F-2DBA-005L-TPE	5 L	TPE	Line 1: 3/8" x 5/8", 12" OAL with AseptiQuik® G Line 2: 3/8" x 5/8", 12" OAL with maxi TC Line 3: 3/8" x 5/8", 12" OAL with maxi TC Line 4: 1/4" x 1/2", 4" OAL with needle-free luer sampling valve	Each	Figure 4
F-2DBA-010L-TPE	10 L				
F-2DBA-020L-TPE	20 L				
F-2DBA-030L-TPE	30 L				
F-2DBA-050L-TPE	50 L				
F-2DBA-100L-TPE	100 L	TPE	Line 1: 3/8" x 5/8", 12" OAL with maxi TC Line 2: 3/8" x 5/8", 12" OAL with AseptiQuik® G Line 3: 1/4" x 1/2", 8" OAL with needle-free luer sampling valve	Each	Figure 5