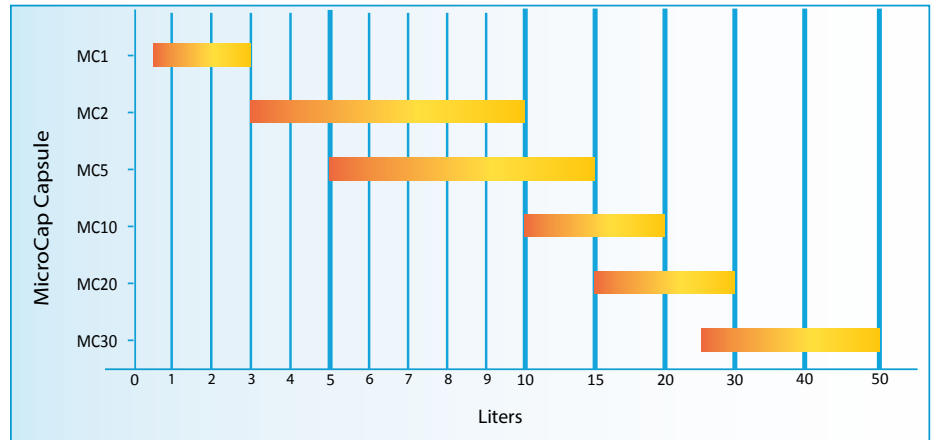


Quick Reference Guide



Approximate Batch Size



Ordering Information

Example: M053PCAP05MTB is a MC5 capsule with M053P media, 1/2 in. sanitary clamp inlet/outlet, and vent valves

M053P	CAP	05	MT		B	
Media Grade	Type	Size	Inlet/Outlet	Description	Vent	Description
See Media Grades Table	CAP	01	H	Stepped Hose Barb	O	Luer Lock
		02	3H	3/8 in. Hose Barb	B	Vent Valve
		05	MT	1/2 in. Sanitary Clamp		
		10	TC	1 1/2 in. Sanitary Clamp	C	Inlet/Outlet 1/4 in. Bleed Valve
		20				
		30				

Media Grades

Media Series	Media Grades	Nominal Rating (µm)	
MicroMedia	M954P	0.25 – 1.0	
	M854P	0.3 – 1.25	
	M704P	0.45 – 1.5	
	XL	M953P	0.25 – 1.0
		M853P	0.3 – 1.25
	M703P	0.45 – 1.5	
	M503TP	0.8 – 2.75	
	M503P	1.0 – 3.0	
	M453P	2.5 – 6.0	
	M403P	5.0 – 12.0	
	M103P	10.0 – 17.0	
	M053P	15.0 – 20.0	
	DXL*	B9E9	0.25 – 1.0
		B6E9	0.25 – 2.75
		B5E8	0.3 – 3.0
B4E7		0.45 – 6.0	
B2E6		0.8 – 17.0	
	B1E5	1.0 – 20.0	
	MicroClear	MC55	Steam Activated
MC55CP		Chemical Activated	
MC55GP		Steam Activated	

* Other media combinations available upon request

Filter Area

MicroCap Capsule	Single Layer (cm ²)*	Double Layer (cm ²)**
MC1	23	23
MC2	170	80
MC5	330	170
MC10	960	500
MC20	1920	1000
MC30	2880	1500

* Single-layer media such as XL, MicroMedia, and MicroClear Series
** Double-layer media such as DXL Series

MicroClear Carbon per Unit Area

Effective Filter Area	Amount of Carbon (grams)
23 cm ²	2
170 cm ²	15
330 cm ²	29
960 cm ²	83
1920 cm ²	166
2880 cm ²	249

Competitive Small Capsule Comparison

For Internal Use

Manufacturer	Product Name	Surface Area Single-Layer	Surface Area Double-Layer	Inlet/Outlet Fittings	Capsule Materials of Construction	Max Pressure	Max ΔP	Sterilization (Autoclave)
ErtelAIsop	MicroCap MC1	23 cm ²	23 cm ²	Tapered Hose Barb	Polypropylene	2.5 barg (36 psig)	2 bard (30 psid)	1 cycle @ 121 °C for 30 minutes
	MicroCap MC2	170 cm ²	80 cm ²	¾ in. Hose Barb				
	MicroCap MC5	330 cm ²	170 cm ²	½ in. Sanitary Clamp				
	MicroCap MC10	960 cm ²	500 cm ²	1½ in. Sanitary Clamp				
	MicroCap MC20	1920 cm ²	1000 cm ²					
	MicroCap MC30	2880 cm ²	1500 cm ²					
3M/Cuno	Zeta Plus Scale-up Capsules BC25	25 cm ²	25 cm ²	½ in. Sanitary Luer Lock	-	-	-	-
	E0170	170 cm ² (0.18 ft ²)	170 cm ² (0.18 ft ²)	½ in. Sanitary Clamp	Polysulfone	3.1 barg (45 psig)	2.4 bard (35 psid)	1 cycle @ 126 °C for 30 minutes
	E0340	340 cm ² (0.37 ft ²)	340 cm ² (0.37 ft ²)					
	E1020	1,020 cm ² (1.10 ft ²)	1,020 cm ² (1.10 ft ²)					
Millipore	µPod	23 cm ²	23 cm ²	Female Luer Lock	Glass-filled Polypropylene	3.5 barg (50 psig)	2.1 bard (30 psid)	2 cycles @ 123 °C for 60 minutes
	Lab Pods	270 cm ²	270 cm ²	Hose Barb				
		540 cm ²	540 cm ²					
Pall	Supracap 50	22 cm ²	22 cm ²	Luer Lock	Polypropylene	3 barg (44 psig)	2.4 bard (35 psid)	1 cycle @ 125 °C for 30 minutes
	Supracap 100 5 in.	500 cm ²	250 cm ²	1½ in. Sanitary Clamp				
	Supracap 100 10 in.	1,000 cm ²	500 cm ²	1 in. Single Barb Hose Barb				
	Supracap 100 20 in.	2,000 cm ²	1,000 cm ²	½ in. Single Barb Hose Barb				
	Supracap 100 30 in.	3,000 cm ²	1,500 cm ²	¼ in. Hose Barb				
Sartorius	Sartoclear P Cap	25 cm ²	25 cm ²	¾ in. Sanitary Clamp	Polypropylene	2.0 barg (36 psig)	-	1 cycle @ 121 °C for 30 minutes
	Sartoclear Maxicap 5 in.	600 cm ²	400 cm ²					
	Sartoclear Maxicap 10 in.	1,100 cm ²	Not Available	1½ in. Sanitary Clamp				
	Sartoclear Maxicap 20 in.	2,200 cm ²	1500 cm ²					
Purolator/FPI	Bio-Pro Capsule Clear 60	21.2 cm ²	Not Available	Too many to list	Polypropylene	2.5 barg (36 psig)	1.2 bard (17 psid)	126 °C for 30 minutes
	Bio-Pro Capsule-Clear DC	120 cm ²						
		250 cm ²						
Begerow	Beco MiniCap	21 cm ²	-	Hose Barb	Polypropylene	3 barg (44 psig)	3 bard (44 psid)	3 cycles @ 124 °C for 30 minutes