ErtelAlsop

THE FIRST NAME IN LIQUID FILTRATION

MicroCap™ Laboratory Cabinet

Containing MicroCap™ Single-Use Depth Filter Capsules

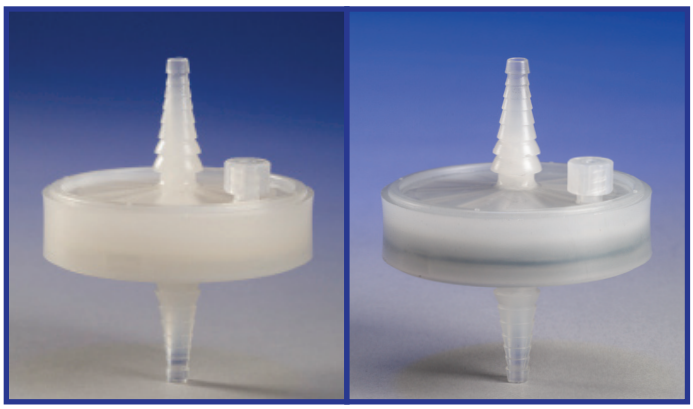
For over 90 years, ErtelAlsop has been a leader in developing, and manufacturing cellulose filter media for the Life Science industry. With single-use technology on the rise, our new MicroCap™ Laboratory Cabinet has been created to simplify filtration and separation trials for research and development, as well as, process development laboratories. This attractive and well organized Cabinet easily stores the filters you require.

The MicroCap™ suite of single-use capsules provide a uniquely flexible line of disposable depth filter products designed for optimizing and developing processes during scale-up and scale-down studies. The MicroCap™ MC1 capsule enables quick and efficient determination of appropriate media grades in providing the best filtration performance as well as required filtration area to meet process volumes.

There are four cabinet options to choose from each containing MicroCap™ MC1 capsules with 22.5 cm^2 of effective filtration area. Whether your needs are clarification, cell harvest or color removal there is a cabinet designed to meet your needs. The easy to use capsules allow users to test a comprehensive range of depth filter media and efficiently determine the right solution for their process needs.

MicroCap™

Single-Use Capsules



MicroCap™ MC1
MicroMedia®: XL Series (left), MicroClear™ (right)

Applications

MicroCap™ capsules are designed for small volume processing of:

- *Primary separations/prefiltration*
- *Secondary clarification*
- *Wax and lipid removal*
- *Cell culture harvest*
- *Cell culture clarification*
- *DNA removal*
- *Endotoxin reduction*
- *Host Cell Protein (HCP) reduction*
- *Protein aggregate removal*
- *Decolorization*

Performance

Containing either high performance XL Series, select grades of MicroMedia®, or carbon impregnated MicroClear™ media from ErtelAlsop, the MicroCap™ MC1 capsules provide the optimum balance of contaminant removal and throughput.

Reliability

As with all ErtelAlsop depth filter products the MicroCap™ capsules provide performance consistency and lot to lot traceability all in an easy-to-use format. All MicroCap™ capsules are batch tested in order to meet all quality requirements and meet all applicable USP requirements including the Class VI Plastics.

Scalability

The MicroCap™ series of single-use capsules contain six easily scalable sizes of capsules. Additionally each of these capsules readily scale to ErtelAlsop MicroCap™ Pro production-scale

SINGLE-USE CAPSULES

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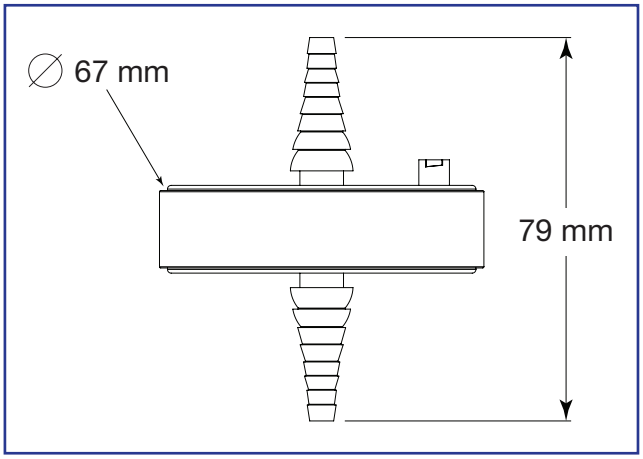
Cabinet Specifications

Part Number	Media Types Included	Number of Capsules
MC1CAB-XL	MicroMedia® XL Series: M953P, M853P, M703P, M503TP, M503P, M453P, M403P, M103P, M053P	90
MC1CAB-DXL	MicroMedia® DXL Series: B9E9, B6E9, B5E8, B4E7, B2E5, B1E4	60
MC1CAB-PXL	MicroMedia® PXL Series: P5E2, P5E1, P2E4, P2E3, P2E2, P2E1	60
MC1CAB-AC	MicroClear™: MC55P, MC55CP, MC55GP	30

*Other depth filter media and cabinet combinations are available upon request.

MC1 Technical Specifications

Material of Construction	Capsule	Polypropylene
	MicroMedia®	Cellulose, Diatomaceous Earth, Resin
	MicroClear™	Cellulose, Activated Carbon, Resin
Filtration Area	MicroCap™ MC1	22.5 cm^2 (3.48 in^2)
Maximum Pressure	Operating	2.5 bar (35 psig)
	Differential	2 bar (30 psid)
Sterilization		1 cycle @ 121ºC for 30 min
Inlet & Outlet		Leur Lock, Stepped Hose Barb
Vent		Leur Lock



MC1 Reordering Information

MicroCap™ MC1 Reordering

For MicroCap™ media grades please use the chart below.

Media Grade		Size		Vent
M053P (Example)	CAP	01	H	0
	MicroCap™ Filter Type CAP = Capsule		Inlet & Outlet Fittings H = Hose Barb	

Depth Filter Media

Media Series	Media Grades	Nominal Micron Rating
MicroMedia® XL Series Cellulose with High Purity Filter Aid	M953P	0.25 micron
	M853P	0.3 micron
	M703P	0.45 micron
	M503TP	0.8 micron
	M503P	1.0 micron
	M453P	2.5 micron
	M403P	5.0 micron
	M103P	10.0 micron
	M053P	15.0 micron
MicroMedia® DXL Series* Cellulose with High Purity Filter Aid	B9E9	0.25 micron | 0.25 micron
	B6E9	0.8 micron | 0.25 micron
	B5E8	1.0 micron | 0.3 micron
	B4E7	2.5 micron | 0.45 micron
	B2E5	10.0 micron | 1.0 micron
	B1E4	15.0 micron | 2.5 micron

Media Series	Media Grades	Nominal Micron Rating
MicroMedia® PXL Series* Cellulose with High Purity Filter Aid	P5E2	20.0 micron | 10.0 micron
	P5E1	20.0 micron | 15.0 micron
	P2E4	200.0 micron | 2.5 micron
	P2E3	200.0 micron | 5.0 micron
	P2E2	200.0 micron | 10.0 micron
	P2E1	200.0 micron | 15.0 micron
MicroClear™ Celllose with Activated Carbon	MC55P	Steam Activated
	MC55CP	Chemical Activated
	MC55GP	Steam Activated

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*Other double layer depth filter media combinations available upon request.

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