

MediaKap® & MediaKap® Plus HF Filters

Sterile Filtration of Culture Medium w/ Serum

While MediaKap Hollow Fiber Filters are designed to efficiently sterilize and clarify culture medium or buffer solution by means of 0.2 µm DynaFibre® membrane, MediaKap Plus Filters utilize an advanced DynaFibre membrane that further increases filtration efficiency and dramatically reduces the time required to filter serum-enriched medium. Both can be operated by gravity or under pressure by a peristaltic pump or pressure vessel. Sterile MediaKap and MediaKap Plus Filters are available in 5 different sizes that filter the designated volume (2, 5, 10, 25 or 50 liter) in 15 – 20 minutes. Each is available with the option of a filling bell that protects the sterile filling environment and reduces the risk of contamination.

Product Specifications

2 Filter Types:	MediaKap & MediaKap Plus
5 Volume Sizes:	2, 5, 10, 25 and 50 liter
Pore Rating:	0.2 µm
Membrane SA:	(refer to Ordering Information below)
Inlet/Outlet Conn.:	(refer to Ordering Information below)
Packaging:	Irradiated

Components

HF Membrane:	Mixed cellulose ester
HF Vent:	Polypropylene
Potting Material:	Polyurethane
Housing:	Polycarbonate
End-caps:	Clear & pigmented polysulfone
Filling Bell:	PVC (if present)



Performance Specifications

Filter Size & Type	Water Flow @ 10 psig	DMEM w/o serum	DMEM w/ serum
MediaKap-2	400 ml/min	0.2 – 2 L	-
MediaKap-5	750 ml/min	2 – 5 L	-
MediaKap-10	1000 ml/min	5 – 10 L	-
MediaKap-25	1400 ml/min	10 – 25 L	-
MediaKap-50	2000 ml/min	25 – 50 L	-
MediaKap-2 Plus	400 ml/min	5 L	0.2 – 2 L
MediaKap-5 Plus	750 ml/min	10 L	2 – 5 L
MediaKap-10 Plus	1000 ml/min	20 L	5 – 10 L
MediaKap-25 Plus	1400 ml/min	50 L	10 – 25 L
MediaKap-50 Plus	2000 ml/min	100 L	25 – 50 L

Ordering Information: MediaKap® and MediaKap® Plus Media Filters

	Part No.	Description	Pore Rating	Surface Area	Suggested Volume	IN / OUT Connections	IRR	Filling Bell	Qty/Pkg
Media Filtration	MediaKap®	ME2M-02B-12S	0.2 µm	35 cm ²	0.2 - 2 L	FLL / 1/4HB	YES	YES	12
		ME2M-020-18S						NO	18
		ME2M-05B-12S		70 cm ²	2 - 5 L	1/4HB / 1/4HB		YES	12
		ME2M-050-18S						NO	18
		ME2M-10B-12S		100 cm ²	5 - 10 L	VarHB / VarHB		YES	12
		ME2M-100-18S						NO	18
		ME2M-25B-06S		185 cm ²	10 - 25 L	VarHB / VarHB		YES	6
	ME2M-50B-03S	440 cm ²	25 - 50 L	YES	3				
	MediaKap® Plus	MP2M-02B-12S	0.2 µm	35 cm ²	0.2 - 2 L*	FLL / 1/4HB	YES	YES	12
		MP2M-020-18S						NO	18
		MP2M-05B-12S		70 cm ²	2 - 5 L*	1/4HB / 1/4HB		YES	12
		MP2M-050-18S						NO	18
		MP2M-10B-12S		100 cm ²	5 - 10 L*	VarHB / VarHB		YES	12
		MP2M-25B-06S						185 cm ²	10 - 25 L*
MP2M-50B-03S		440 cm ²		25 - 50 L*	YES	3			

FLL = Female Luer-Lok™, MLL = Male Luer-Lok™ *Volumes for serum-enriched media

DynaGard® Syringe Tip HF Filters

Efficient Filtration on the Tip of a Syringe

Uniquely designed to maximize surface area, DynaGard® Filters feature 0.2 µm, sterilizing grade, looped hollow fiber membrane (DynaFibre®) for increased flux. The narrow housing minimizes hold-up volume and enables easy aspiration and dispensing in ampules, test tubes & other small vessels. Compared to flat sheet disk filters, the DynaGard can gently and efficiently filter higher viscous solutions.

DynaGard® Features:

- Narrow tip allows easy access to conical tubes & ampules
- USP Class VI approved with low extractables
- Gentle separation with very low hold up volumes

Product Specifications: 3 Sizes Available

Membrane SA:	2.5 cm ²	3.4 cm ²	5.5 cm ²
Filtration Volume:	< 5 ml	1 – 10 ml	5 – 20 ml
Hold-up Volume:	18 µl	23 µl	35 µl
Pore Rating:	0.2 µm	0.2 µm	0.2 µm
Housing Length:	3.0 cm	4.3 cm	5.4 cm
Housing Diameter:	0.5 cm	0.6 cm	0.6 cm
Top End:	FLL	FLL	FLL
Bottom End:	ML Taper	MLL	ML Taper
Available Irradiated:	YES	YES	YES

Components

Housing:	Polycarbonate
HF Membrane:	Mixed cellulose ester (ME)
Potting:	Epoxy



Ordering Information: DynaGard® Syringe Tip Filters

		Part No.	Description	Pore Rating	Surface Area	Suggested Volume	IN / OUT Connections	IRR	Qty/Pkg
Syringe Tip Filtration	DynaGard®	DG2M-110-50S	DynaGard	0.2 µm	2.5 cm ²	< 5 ml	FLL / ML taper	YES	50
		DG2M-110-200						NO	200
		DG2M-23L-50S			3.4 cm ²	1 - 10 ml	FLL / MLL	YES	50
		DG2M-23L-100						NO	100
		DG2M-330-50S			5.5 cm ²	5 - 20 ml	FLL / ML taper	YES	50
		DG2M-330-100						NO	100

FLL = Female Luer-Lok™, MLL = Male Luer-Lok™