

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 | 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™

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 | MediaKap-2 | 0.2 µm | 35 cm ² | 0.2 - 2 L | FLL / 1/4HB | YES | YES | 12 |
| | | ME2M-020-18S | | | | | | | NO | 18 |
| | | ME2M-05B-12S | MediaKap-5 | | 70 cm ² | 2 - 5 L | YES | | 12 | |
| | | ME2M-050-18S | | | NO | 18 | | | | |
| | | ME2M-10B-12S | MediaKap-10 | | 100 cm ² | 5 - 10 L | 1/4HB / 1/4HB | | YES | 12 |
| | | ME2M-100-18S | | | NO | 18 | | | | |
| | | ME2M-25B-06S | MediaKap-25 | | 185 cm ² | 10 - 25 L | VarHB / VarHB | | YES | 6 |
| | ME2M-50B-03S | MediaKap-50 | 440 cm ² | 25 - 50 L | YES | 3 | | | | |
| | MediaKap® Plus | MP2M-02B-12S | MediaKap-2 Plus | 0.2 µm | 35 cm ² | 0.2 - 2 L* | FLL / 1/4HB | YES | YES | 12 |
| | | MP2M-020-18S | | | | | | | NO | 18 |
| | | MP2M-05B-12S | MediaKap-5 Plus | | 70 cm ² | 2 - 5 L* | YES | | 12 | |
| | | MP2M-050-18S | | | NO | 18 | | | | |
| | | MP2M-10B-12S | MediaKap-10 Plus | | 100 cm ² | 5 - 10 L* | 1/4HB / 1/4HB | | YES | 12 |
| | | MP2M-25B-06S | | | MediaKap-25 Plus | 185 cm ² | 10 - 25 L* | | VarHB / VarHB | YES |
| MP2M-50B-03S | | MediaKap-50 Plus | 440 cm ² | | 25 - 50 L* | YES | 3 | | | |

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