



KrosFlo Hollow Fibers Ultra/Filtration Systems

KrosFlo filtration is the only technology for research to process that prices hollow fiber membrane elements so low that disposability is no just an option.... It's preferable!: Risks of cross contamination arising due to the re-use membranes in a multi-product facility are eliminated.

Tangential Flow Filtration (TFF) with hollow fibers facilitates the direct scalability of ultrafiltration and microfiltration applications (desalting, concentration, filtration, clarifications) for R&D to productions with volumes ranging from a few milliliters to thousands of liters.

Implementation of single-use KrosFlo modules also means that you are always operating your membrane at its maximal performance level, helping you to maximize your product yields.

[KrosFlo hollow fibers](#) are run by lab peristaltic pumps for smallest units, and for largest [KrosFlo units](#) by research up to process systems.

Filtration hollow Fiber modules:

* **KrosFlo hollow fibers** are available in 3 different membrane materials:

- Mixed Ester
- Polyethersulfone
- Polysulfone

2 different lumen diameters: for ultra filtration and micro filtration applications.

A broad range of module lengths and sizes enable a unique linear scalability. Whether you work in R&D or production, we have a module that meets your requirements, from a few cm² to 13m². This flexibility in scale-up means that you can be sure there will always be a scaleable pathway to production without changing any membrane materials, retention or potting materials.

Production facility is run under GMP/ISO 9001 in an FDA registered class 10 000 clean room, all hollow fiber modules are:

- Non pyrogenic by LAL
 - Low bioburden
- (integrity testing include pressure decay as the primary method)



More information and overview on [Hollow Fiber Filtration/Ultrafiltration Modules](#)

Filtration operating systems:

Research to pilot scale: [see below](#)

KrosFlo® Research Systems for volumes of 2 mL to 10 L

Pilot to Process scale: [see below](#)

MiniKros, MiniKros Plus, KrosFlo Pilot and KrosFlo Pharma Systems for volumes of 300mL to >50 000L



Advantages of Disposability

- Easier FDA Validation
- Saves Money & Time
- No Cross-Contamination
- Less Down-Time
- Low Shear
- Directly Scalable for Production
- Easy Retrofit for other HF Modules

Applications:

- Continuous Cell Perfusion
- Cell Washing and/or Harvesting
- Clarification of Cellular Debris
- Bacterial Fermentation Harvesting
- Monoclonal Antibody Production
- Processing Diagnostic Micro-Particles
- Virus clarification

Research Filtration systems:

KrosFlo Research Iii System:

a flexible system for volumes of 2 mL to 10 L

It operates following filters:

MicroKros Hollow Fiber Modules

Hollow Fiber TFF for UF or MF of 2 - 60 ml volumes

MidiKros Hollow Fiber Modules for volumes of 20 - 500 ml

MiniKros Sampler Hollow Fiber Modules for volumes of 50ml - 3L

MiniKros Sampler Plus Hollow Fiber Modules for 50 ml-3L vol.

[Video](#) about KrosFlow filter modules

Applications:

[E.coli Lysate Cell Debris Removal](#)

[Recombinant Chinese hamster Ovary Cell Separation](#)

[Presentation of Research Iii System](#)

Watch a video



[KRII](#)

KrosFlo® Research I System for volumes of 2 mL to 2 L

[More information](#)

KRI Pump and KR Junior pump [Presentation of KRI & Jr](#)

Process Filtration systems:

Process Filtration Systems	Process Filtration Systems	Process Filtration Systems -
MiniKros Pilot System for volumes of 10 L to 1000 L 	KrosFlo Pilot System for volumes of 3 L to 1.000 L 	Product Scale Systems for volumes of 1.000 L to 10.000+ L 
MiniKros® Plus System for volumes of 300 mL to 100 L 	KrosFlo Pharma System for volumes of 50 L to 5.000 L 	custom designed skids (>50 000L) Please inquire for information about all these process filtration systems.

Replacement parts for KR2i and KMPi are also available to order.

Other products and services for manufacturing are provided by Interbiotec Interchim:

- Custom services (antibody production, peptide synthesis, purifications, combinatorial chemistry,
- Raw materials in bulk quantities or special packaging (biochemicals, buffers,... / pre-weighed, microplate format,...)
- Containers qualified for process purifications (sterile, ...): [Biotainer containers](#) (1L-20L) and [JM bags](#) (50ml-50L)

Retourner par Fax : 33 (0) 4 70 03 82 60 ou email à interbiotech@interchim.com

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Nom: _____ Prénom: _____ Titre, fonction: _____

Société/Institut: _____ Service, Laboratoire: _____

Adresse: _____

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