

# KML™ 100 System

## KrosFlo® MagLev

Benchtop Perfusion and  
Tangential Flow Filtration System



*advancing the science of separation™*

# Introducing the **KML™ 100 System** KrosFlo® MagLev Benchtop Perfusion and Tangential Flow Filtration System

- Versatile - for both Automated Bioreactor Perfusion and 5 additional Tangential Flow Filtration (TFF) modes of operation
- Completely Integrated with Ethernet Communication
- built-in Color Touch Screen displays pressures, flows, weights and process overview



Single-Use Magnetic Levitating Pump

- USB port for Data Collection
- Small Benchtop Footprint
- Detachable Flow Stand

The Magnetic Levitating Pump Drive eliminates pulsations and is low shear.

- Improved Cell Viability
- Designed for managing 1.5 to 100L Working Volume Bioreactors
- Uses Gamma Sterilized Single-Use Perfusion Flow paths

Patent Pending

- 2 Auxiliary Peristaltic Pumps and 2 Load Cells with Set point Controls to manage Flow Dynamics
- Non-invasive Automate Retentate Control Valve for TMP Control
- Non-invasive Ultrasonic Retentate Flow Meter with PID Closed Loop Control
- Visual and Audible Alarms with Safety Interlocks

# Tangential Flow Filters compatible with KML™ 100 System

## MiniKros® Sampler Filters for Small Batch Volumes

Processing Volumes: 3 L to 15 L  
Connections: 3/4" TC x 3/4" TC  
Effective Lengths: 20, 41.5 and 65 cm  
Surface Areas: 490 cm<sup>2</sup> to 2,600 cm<sup>2</sup>



## MiniKros® Filters for Pilot Scale Volumes

Processing Volumes: 5 L to 50 L  
Connections: 1-1/2" TC x 3/4" TC  
Effective Lengths: 20, 41.5 and 65 cm  
Surface Areas: 1,550 cm<sup>2</sup> to 8,500 cm<sup>2</sup>



change to  
**KrosFlo®**  
Perfusion



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