

Korus™

Counterflow Centrifugation System

Set your cells up for downstream success with Invetech's Korus™

The Korus™ system supports wash and cell isolation using gentle counterflow centrifugation. It offers better overall process performance through higher recovery and purity of your target cells:

- 85.2% lymphocyte recovery and 90.3% purity¹
- 70.1% monocyte recovery and 78.6% purity¹
- Over 90% platelet depletion¹

¹ Averages from Invetech protocol development study



Optimize your elutriation and wash protocols on the Korus™ system

Flexibility to configure and optimize your own protocol

With the Korus™, you are empowered to finetune your protocol to your unique starting materials and process conditions. At the transition to GMP manufacturing, you can lock down your protocol to reduce errors and ensure better batch to batch consistency.



Korus™ specifications

Viability loss	<5%
Input volume range	25 mL – 5 L
Output volume range (user defined)	25 mL – 150 mL
Single-use set loading time	<5 minutes
Typical processing time	<1 hour typical
Standard operations	Lymphocyte elutriation Monocyte elutriation Cell wash
Display	Glove compatible color touchscreen
Control system	Enables 21 CFR Part 11 Compliance
Chamber volume	Two 50 mL chambers
Maximum operational RCF	1000 x g
Dimensions	W 1460 mm (57.5 in), H 760 mm (30 in), D 810 mm (32 in)
Weight	195 kg (430 lb)

Processing
volume range
25 mL – 5 L

Korus™ single-use set

The Korus™ functionally closed, sterile single-use set has a user-friendly design that can be used in process development or GMP production environments. The set comes ready to use in a sealed tub designed to make loading onto the device easy. The set is designed with weldable tubing, making it possible to attach source material and media in a class C or D (ISO 7 or above) clean space.



Korus™ single-use set components

- Harvest bag
- Fraction bag
- Waste bag
- Rotor with two 50 mL chambers

Korus™ tubing specifications

- 3/32 in ID x 5/32 in OD PVC weldable lines
- Weldable with the Terumo TSCD-II

FURTHER INFORMATION

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