FRESENIUS KABI
caring for life

Therapeutic Plasma Exchange

Amicus Separator

Therapeutic apheresis and cell collection

The Amicus Separator features technology that provides precision therapeutic plasma exchange (TPE) and the flexibility to customize procedures to your patient's needs.

- High plasma removal efficiency
- Accurate Fluid Balance Control with real-time volume measurement
- Supports Patient Comfort with low extracorporeal kit volume, automated custom prime and low levels of anticoagulant to patient

Putting precision therapeutic plasma exchange at your fingertips

>80%
Plasma Removal Efficiency[1]

Maximize plasma removal efficiency

With the goal to remove plasma while sparing cells, the fraction of plasma removed is clinically important. The efficiency of a device impacts the amount of whole blood that must be processed to remove a target amount of plasma.

Plasma Removal Efficiency (PRE) is the metric used to measure the amount of whole blood that must be processed to remove a targeted amount of plasma.

	Amicus	COBE Spectra
PRE %	81.9 ± 7.6 mL[1]	75.2 ± 6.3 mL[1]

Low levels of anticoagulant to patient[1]

Manage anticoagulant use

Higher plasma removal efficiency leads to less anticoagulant (AC) to the patient. In Amicus Therapeutic Plasma Exchange (TPE) clinical trials, Amicus processed less unanticoagulated whole blood at a higher rate of plasma removal efficiency resulting in less AC to the patient.

	Amicus	COBE Spectra
Anticoagulant to Patient	126 ± 86 mL[1]	144 ± 53 mL[1]

2.3%
Patient Platelet Loss[2]

Spares platelets

Amicus keeps platelet loss low in the TPE procedure. In the Amicus TPE clinical trial, platelets in waste plasma was low [1] which resulted in low patient platelet loss with a median of 2.3%. [2]

	Amicus	COBE Spectra
Platelets in Waste Plasma ($x10^{11}$)	3.59 ± 2.07[1]	3.66 ± 2.83[1]

Providing safe care to patients

160 mL
Extracorporeal Kit Volume

Low extracorporeal kit volume and custom prime feature

Amicus employs a kit design with an extracorporeal volume (ECV) of 160 mL, the lowest available. A low kit ECV helps to reduce the percent of patient total blood volume used to prime the kit.

	Amicus	COBE Spectra
Extracorporeal Kit Volume (ECV)	160 mL[4]	285 mL[5]

Automated custom prime[3]

For patients that have a lower total blood volume or lower hematocrit, Amicus offers a custom prime option that allows use of an alternate fluid for priming the kit. This helps ensure that the patient remains isovolemic at the start of the procedure.

99.8%
Fluid Balance Accuracy[1]

Balance fluids accurately

Keeping patients comfortable is key to the care you provide. With a real-time volume measurement approach through the use of a unique combination of weigh scales and pumps, Amicus delivers high fluid accuracy[1].

Source

1. Winters JL et al. A multicenter evaluation of a new therapeutic plasma exchange procedure. Transfusion. 2013 Dec;53(12):3269-78.
2. FRCP 0210 Post Hoc Patient Platelet Loss TPE Clinical Trial Data, April, 2014.
3. Custom prime feature is only available on software version 4.5.
4. AMICUS Operator's Manual, Volume 4 – Therapeutic Plasma Exchange (TPE)
5. COBE Spectra Apheresis System, Essentials Guide
6. AMICUS Operator's Manual, Therapeutic Plasma Exchange (TPE) Columns Supplement

Precision design to help you achieve more

Passive column procedure (available in select countries)

The Amicus cell separator is able to perform TPE with Passive Column Procedures with a disposable adsorption column or column management device attached in-line. Plasma is able to pass through the column for treatment before being returned to the patient with other blood components.[6]

Saline administration

The Amicus TPE procedure provides an option to administer saline either by gravity, to keep access lines patent, or by pump, to deliver a bolus of saline in a short period of time. This offers flexibility when caring for each patient during the procedure.

Sterilization using irradiation

Sterilization of apheresis kits with irradiation avoids the risk of reactions related to patient exposure to residual ethylene oxide and eliminates the need for double priming the kit.

Refer to Amicus Operator's Manual for a full list of warnings and cautions associated with the use of the Amicus device.

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Fresenius Kabi AG
61346 Bad Homburg
Germany

Phone: +49 61 72 608-0
Fax: +49 6172 608-5786

Fresenius Kabi
www.fresenius-kabi.com

Amicus Therapeutics
www.fk-therapeutic-apheresis.com
amicus@fresenius-kabi.com