

THERAPEUTIC PLASMA EXCHANGE (TPE)



Fenwal Amicus

Therapeutic apheresis and cell collection

PRECISION THERAPY. SOFT, SAFE CARE.

The Gentle Science design of Fenwal Amicus puts precision therapeutic plasma exchange (TPE) at your fingertips—while providing soft, safe care to the patients who count on you.



Putting precision therapeutic plasma exchange at your fingertips

>80%
Plasma Removal
Efficiency¹

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

Manage anticoagulant use

Higher plasma removal efficiency leads to less anticoagulant to the patient. In the Amicus TPE clinical trial, 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
Loss²

Spares platelets

The Gentle Science design of Fenwal Amicus keeps platelet loss low in a TPE procedure. In the Amicus TPE clinical trial, platelets in waste plasma was low¹, 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	3.66 ± 2.83

Providing soft, safe care to patients

160 mL

Extracorporeal Kit Volume¹

Low extracorporeal kit volume and custom prime feature

Fenwal 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.

In situations with a patient with lower total blood volume, Fenwal Amicus offers a custom prime option³ that allows customization of settings to trigger an option to use an alternate source for priming the kit.

	Amicus	COBE Spectra
Extracorporeal Kit Volume (ECV)	160 mL	285 mL

Sterilization using irradiation

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

99.8%

Fluid Balance Accuracy¹

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 extremely high fluid accuracy.

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 O210 Post Hoc Patient Platelet Loss TPE Clinical Trial Data, April, 2014.
3. Custom prime feature is only available on software version 4.5.

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