Amicus
Red Blood Cell Exchange (RBCX)

Precision Therapy. Individualized Care.
Providing soft, safe care to patients

Target FCR Accuracy and Reduction of HbS

Amicus RBCX accurately removes the patient's red blood cells (RBCs) while simultaneously infusing healthy donor cells. This data demonstrates the system's ability to successfully reach a target fraction of cells remaining (FCR), and reduction of hemoglobin S (HbS) post procedure.

Low extracorporeal kit volume and custom priming

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

For patients with lower total blood volume and/or lower hematocrit, Amicus offers a custom prime option (either partial or full). With the Partial Custom Prime option, the device has the ability to mix saline with the prime source fluid to achieve a desired hematocrit in the return line.

Auto-switching of replacement fluid

Utilizing the weight scales in conjunction with the replacement fluid pump, Amicus is able to recognize when a replacement fluid bag is empty and automatically switch fluids. This allows the operator to focus more on the patient.

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.

The AMICUS Separator System is indicated to perform Red Blood Cell Exchange (RBCX), including Exchange and Depletion/Exchange procedures, for the transfusion management of Sickle Cell Disease in adults and children.

Mean Actual FCR

39%

Mean ratio of FCR actual/FCR target: 0.98

Mean ratio of FCR actual/FCR target: 0.98

Median Post Procedure HbS

13%

Min: 5.1, Max: 28.2
Infuse ~ Transfuse ~ Nourish

References
2. Fresenius Kabi Operator’s Manual
4. COBE® Spectra Apheresis System • Essentials Guide

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