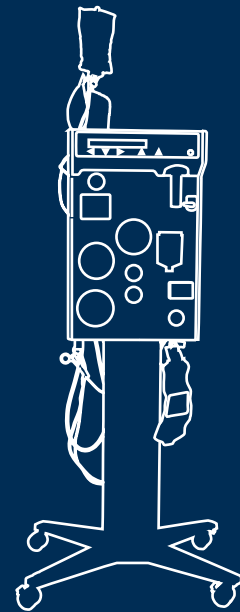


Autopheresis-C SYSTEM

Virtually cell-free plasma



**FRESENIUS
KABI**

caring for life

*Your challenge is our concern:
safely collect virtually cell-free plasma*

The Partner of Choice

IT'S COMPREHENSIVE

- . Autopheresis-C system
- . Autopheresis-C kits
- . Fistula needles
- . Solutions
- . Automated data collection iTrace

IT'S COMPLETE

- . Installation and site startup consulting
- . Operations consulting
- . Advanced Auto-C training

IT'S CONCRETE

- . A combination of spinning membrane and tangential filtration technology
- . Low extracorporeal volume
- . Adaptive vein control with continuous monitoring system
- ➔ **To deliver you Virtually Cell Free Plasma without Subsequent Filtration¹**
- ➔ **To provide you a system to enhance the Donor and Operator Experiences**

¹ ISBT 2001 Abstract P550 - Evaluation of the quality of plasma collected with Auto-C with and without subsequent filtration.



The unique spinning membrane combined with a tangential filtration technology provides you with the

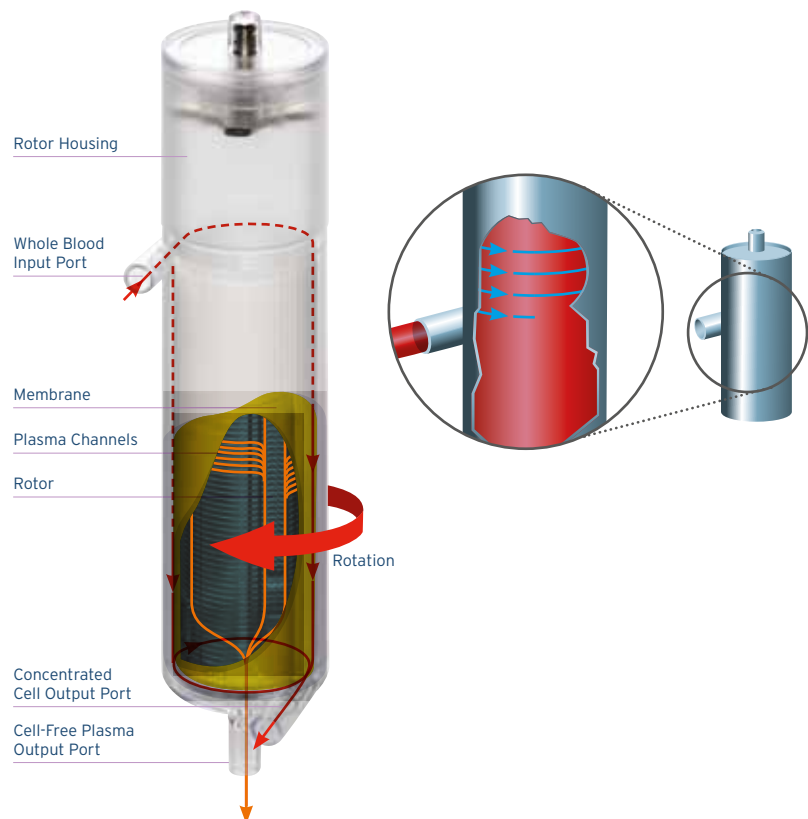
Highest quality plasma

The Autopheresis-C system is an automated plasmapheresis system comprised of the instrument and the Plasmacell-C disposable set.

The Autopheresis-C system utilizes the **unique spinning membrane combined with a tangential filtration technology**. It enables you to **collect virtually cell-free plasma** quickly and efficiently.

ADVANTAGES OF VIRTUALLY CELL-FREE PLASMA

- **Very Low Platelet content⁴** which minimizes the potential risk to impact the yield in fractionation process, as well as to activation thrombogenicity problems of the resulting products²⁻³
- **Very Low WBC content¹** which reduces complications post transfusion, transmission of viruses or risk of pathogens associated with WBC



² Smith JK. Transfusion Sci 15, 343-350, 1994. ³ Farrugia A et al. Vox Sang 57, 4-9, 1989. ⁴ In-house Goldstandard residual cells.

Experience how the Autopheresis-C helps you to

Grow your plasma centers and collections

AUTOPHERESIS-C SYSTEM OPTIMIZES YOUR OVERALL PLASMA DONATION PROCESS

- . Turbo Mode maximizes the operator efficiency by reducing the procedure time.
- . Automated data collection iTrace system improves the operator productivity, the procedural quality and efficiency.
- . No pre-assembly required for the kits which enables you to have less human intervention, less of ordering of items and less inventory space needed

CHOOSE THE OPTIONS TO MEET YOUR COLLECTION NEEDS

- . 16- or 17-gauge fistula with and without needle protector options
- . Multiple final storage containers including bags and bottles with integrated plasma sampling system (plasma Interlink)
- . Smart-Connect system reduces the risk for operators to invert solutions
- . Collect over a wide range of collection volumes (up to 880ml). Default to FDA nomogram of 690, 825 or 880 ml based on donor weight or pre-program specific volumes as your standard (such as 500 or 600 ml)

AUTOPHERESIS-C SYSTEM OFFERS A SAFE AND COMFORTABLE DONATION EXPERIENCE

- . Minimize risk of hypovolaemia with low extracorporeal volume
- . Eliminate potential hazards caused by mis-spiking of solutions
- . Maximize donor comfort with accurate fluid delivery, adaptive vein controls and continuous monitoring system

AUTOPHERESIS-C SYSTEM DELIVERS HIGH QUALITY PLASMA MEETING THE STRICTEST GUIDELINE REQUIREMENTS FOR BOTH TRANSFUSION AND FRACTIONATION

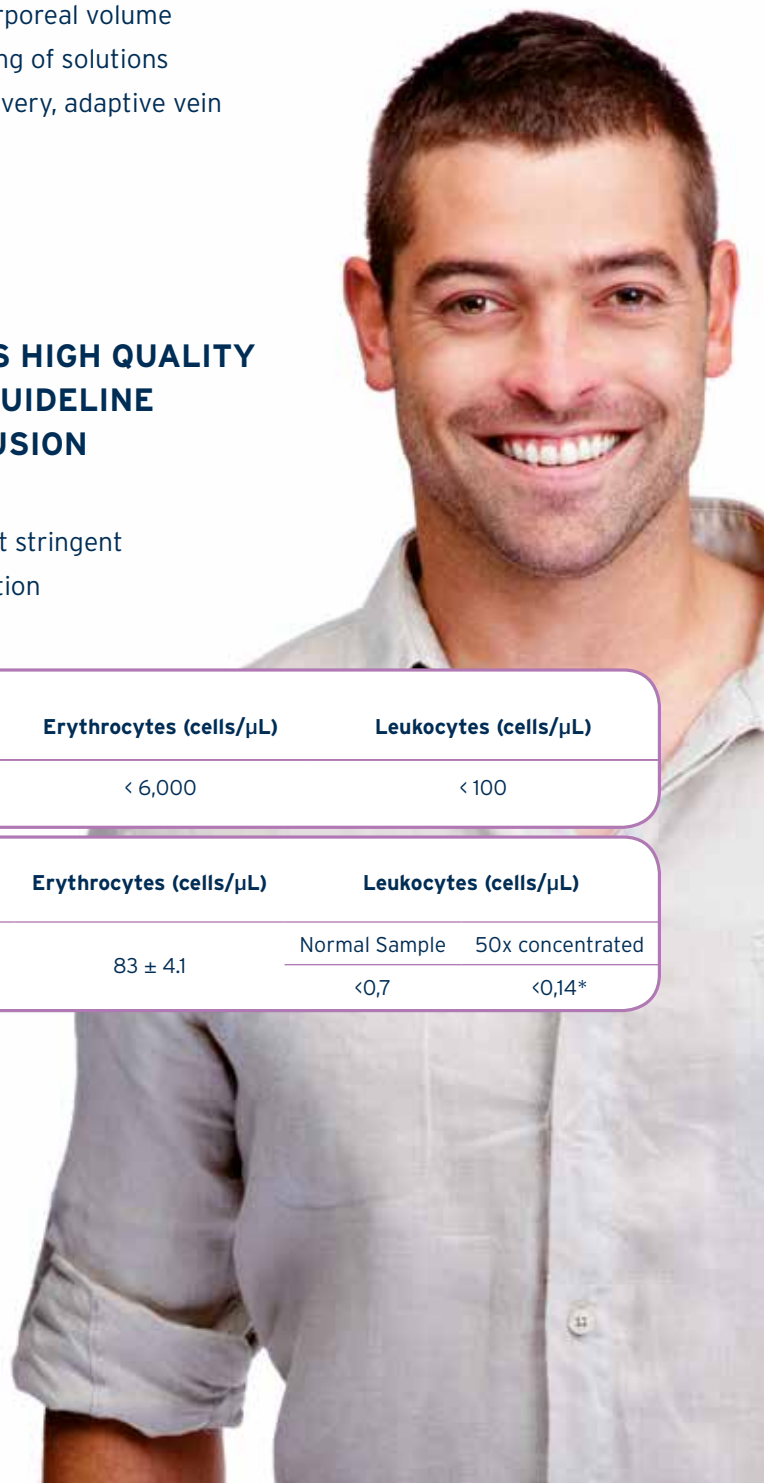
Deliver virtually cell free plasma meeting the most stringent European requirements without subsequent filtration

QC Requirements of the Council of Europe	Platelets (cells/ μ L)	Erythrocytes (cells/ μ L)	Leukocytes (cells/ μ L)	
	< 50,000	< 6,000	< 100	
Average (\pm S.D.) Cell counts in Auto-C plasma as detected by flow cytometry (n = 144)	Platelets (cells/ μ L)	Erythrocytes (cells/ μ L)	Leukocytes (cells/ μ L)	
	14 \pm 4.5	83 \pm 4.1	Normal Sample	50x concentrated
			<0,7	<0,14*

* n = 8

Baxter Study PFE-15-01-001, 2001.

Pichler J, Printz D, Scharner D, Trbojevic D, Siekemann J, Fritsch G. Improved Flow Cytometric Method to Enumerate Residual Cells: Minimal Linear Detection Limits for Platelets, Erythrocytes and Leukocytes. Cytometry (Clinical Cytometry) 2002; 50:231-237. Council of Europe (FFP) 14th Edition - 2008. French requirement (FFP) - JO 280503



Higher efficiency at your fingertips

Switch to Turbo Mode

A SIMPLE WAY TO MAXIMIZE EFFICIENCY WITHOUT COMPROMISE

A simple gesture activates the Turbo Mode by increasing the draw rate to 120mL/min. and Return rate to 150mL/min., this reduces the procedure time, but still maintains the adaptive vein control system to assure donor comfort.

WHY SHOULD YOU SWITCH TO TURBO MODE?⁵

- . Maximize Operational Efficiency

Procedure time reduces with an average of 6% with Turbo Mode

(mean ± SD)	Procedure Time (min)
Control (n=227)	48,9
Test (n=225)	46,0
p-value (T vs C)	<0,001 (n=225)

- . Contribute to Donor Retention

Because donors can donate the same value in less time without side effects

- . No trade-off on the Quality plasma product

(mean ± SD)	PLT (x109/L)	RBC (x106/L)	WBC (x106/L)
Control (n=22)	0.016 ± 0.037	33.96 ± 31.30	0.039 ± 0.082
Test (n=24)	0.050 ± 0.045	10.33 ± 12.99	0.083 ± 0.101
p-value (T vs C) (n=22)	0.95	0.008	0.05

HOW TO SWITCH TO TURBO MODE?

Switching to Auto-C Turbo Mode literally only requires flipping a switch.

No hardware or software upgrade is needed and no customer training is required.

For questions and support, contact your sales representative.

⁵ Paired study Auto-C Turbo Mode versus current flow rates conducted in 3 German centers

(Dortmund, essens and Hamm) with 225 donors on both Auto-C current flow rates and Turbo Mode - MKT Evaluation in Germany - Haema AG; Study ref: 012-P-MSG showed that:

- the procedure time was reduced with an average of 6%
- there was no increase of donor reactions reported by staff or donors (in any group)
- there was no trade-off on the quality plasma product as statistically there was no difference for the platelet count, WBC level was very slightly different in favor of Auto-C Turbo Mode

Discover the iTrace software

THE ADVANCED PROCESS CONTROL YOU CAN COUNT ON

iTrace is the advanced software application that transfers and stores apheresis data from the Autopheresis-C system. This valuable procedure information can easily be converted into data customized reports or data export (Ascii, XLS formats).

iTRACE SOFTWARE IMPROVES STAFF PRODUCTIVITY AND REDUCES TIME FOR:

- . Manual documentation and archiving
- . Electronic reporting
- . Fixing illegible and incomplete records
- . Troubleshooting
- . Data retrieval

iTRACE SOFTWARE EFFICIENCY REPORTS HELP TO EASIER MONITOR APHERESIS OPERATIONS

- . Procedure efficiency and discard rate trends
- . Device performance
- . Staff productivity and training needs

iTRACE SOFTWARE ENHANCES TRACEABILITY FOR REGULATORY COMPLIANCE

iTrace software standardizes your apheresis procedure records and reduces writing errors and incomplete reports

- . Electronic Summary Report
- . Barcode scanners for operator and donation IDs, disposable and solution lot numbers

iTRACE SOFTWARE IMPROVES DONOR BASE MANAGEMENT

- . Immediate access to historical donation records contributes to a satisfying donor experience
- . Donor base productivity reports
- . Efficient donor scheduling



**FRESENIUS
KABI**

caring for life

Fresenius Kabi AG
Else-Kröner-Straße 1
61352 Bad Homburg, Germany
Phone: +49 (0) 6172 686 7265
Fax: +49 (0) 6172 686 4728
autoc@fresenius-kabi.com
www.fresenius-kabi.com

