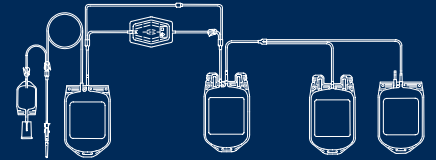
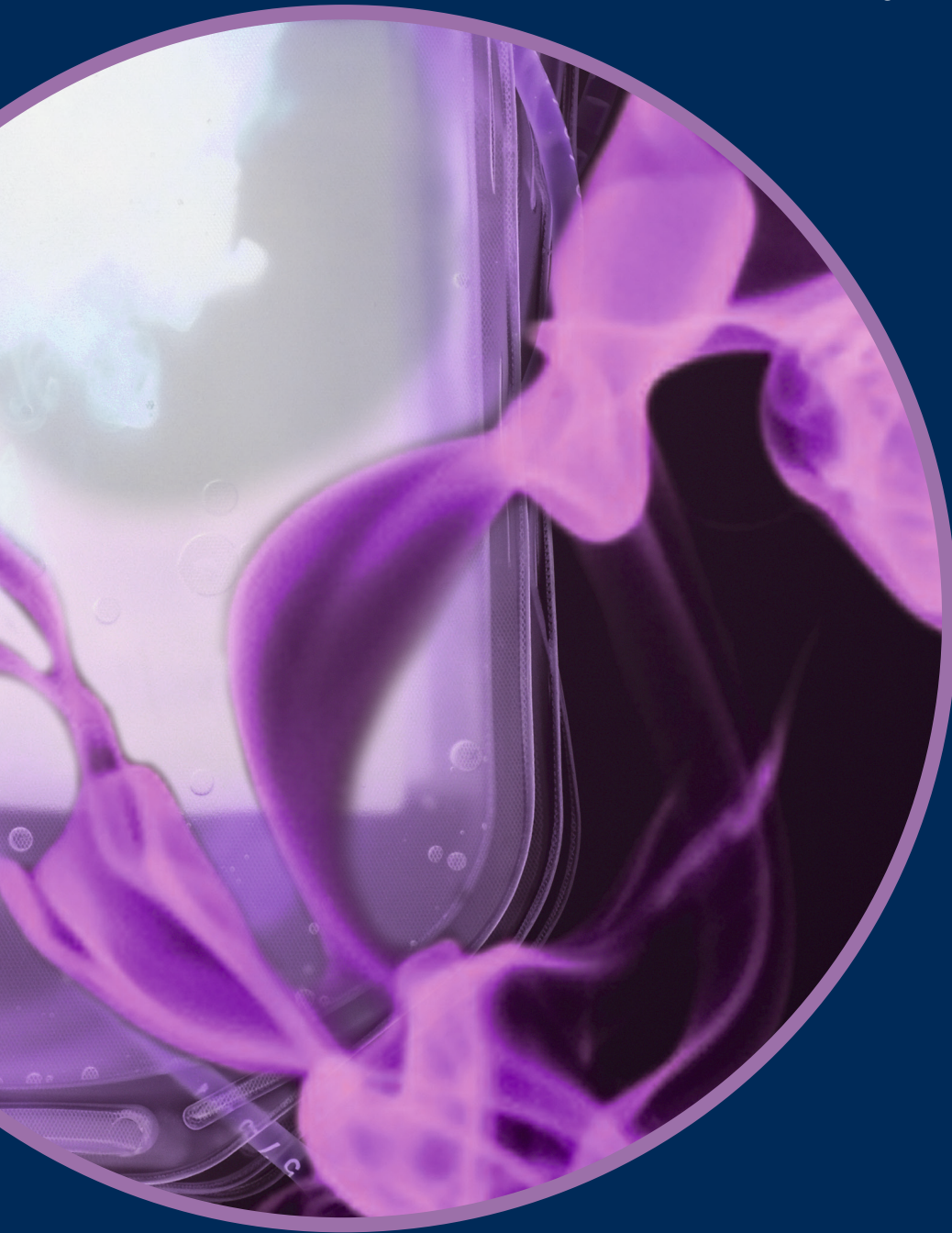


MEDICAL DEVICES

CompoSelect®

BLOOD COMPONENT PREPARATION WITH
INTEGRATED LEUKOCYTE REDUCTION

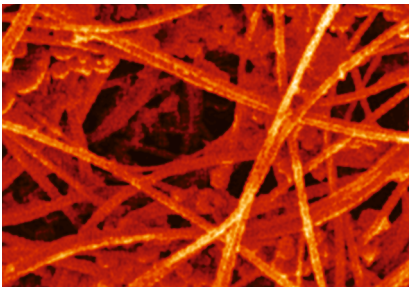


**FRESENIUS
KABI**

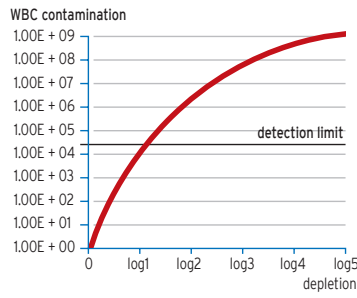
caring for life

UNIQUE OPTIONS FOR QUALITY MAN

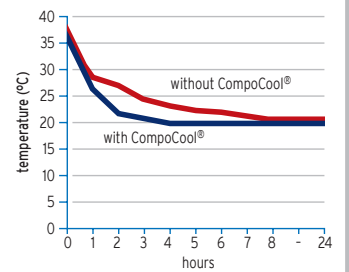
CompoSelect® in-line systems combine our deep expertise in blood bag production with our in-house filter fibre and filter manufacturing to guarantee the ultimate in quality and therapeutic safety.



Typical effectiveness diagram



Cooling rate of whole blood with and without CompoCool® cooling plates



- Melt-blown non-woven polyester
- Non-ionic coated fibre surface
- Neutral electrical charge
- High biocompatibility
- Mechanical and adhesive depletion principle

Efficiency of cell depletion depends on:

- Leukocyte and platelet precontamination
- Age and temperature of blood component
- Filtration flow rate



MANAGEMENT IN BLOOD PROCESSING

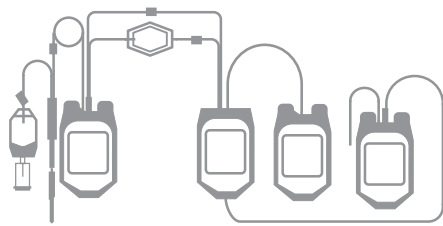
ACHIEVE CONSISTENT QUALITY BY STANDARDIZATION OF PROCESS PARAMETERS INCLUDING:

- Age of blood / blood components
- Preparation method
- Temperature
- Filtration time

IMPROVE QUALITY BY EARLY LEUKOCYTE DEPLETION INCLUDING:

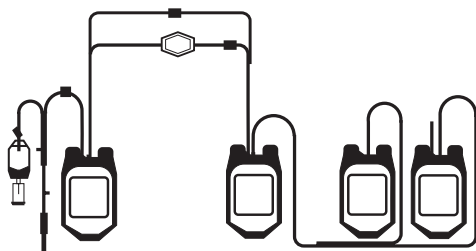
- Reduced cytokine release
- Reduced alloimmunisation
- Reduction of leukocyte-associated pathogen load
- Reduced febrile transfusion reaction
- Improved storage conditions for blood components

CompoSelect® in-line systems offer two complete concepts for leukocyte depletion

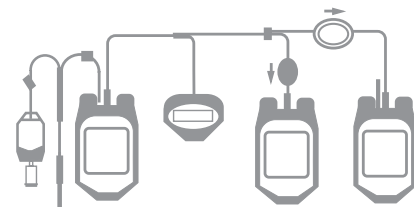


WB in-line T & B System

most used:

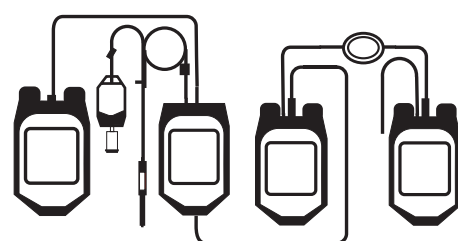


WB in-line conventional System



RCC in-line conventional System

most used:



RCC in-line T & B System

This scheme provides an overview of the blood bag systems and processes available for leukocyte depletion.

WHOLE BLOOD IN-LINE

A fast and easy process for preparing filtered plasma and RCC



CompoGuard®

1 DONATION

- Highly innovative whole blood collection with CompoGuard®
- Conform to GMP
- Large tray with integrated filter holder
- RSI prevention (Repetitive Strain Injuries)
- Automated data management



CompoCool® WB

2 STORAGE

- Temperature standardized whole blood storage and transport
- Fast cool-down with CompoCool® WB
- Whole blood temperature at 20-24°C within 2-3 hrs

First filtration, then preparation



WB in-line filter

3 FILTRATION

- Small residual volume
- Low volume loss, optimal laminar flow
- In-process control possible due to transparent filter housing



4 CENTRI- FUGATION

- Centrifugation without filter
- Easy bag folding technique
- High centrifugation speed with slow deceleration available



Compomat® G5

5 SEPARATION

- 50% time reduction by using conventional systems
- Full automatic blood separation with Compomat® G5
- Tailor-made program possibilities
- Data management system available

RCC IN-LINE

For preparing PLT in combination with filtered RCC and optional plasma



CompoGuard®

1 DONATION

- Highly innovative whole blood collection with CompoGuard®
- Conform to GMP
- Large tray with integrated filter holder
- RSI prevention (Repetitive Strain Injuries)
- Automated data management



CompoCool® WB

2 STORAGE

- Temperature standardized whole blood storage and transport
- Fast cool-down with CompoCool® WB
- Whole blood temperature at 20-24°C within 2-3 hrs

First preparation, then filtration



3 CENTRI- FUGATION

- Centrifugation with flexible filter
- Various bag folding techniques available
- Usually no change of centrifuge program necessary if RCC in-line is introduced



Compomat® G5

4 SEPARATION

- Filter wetting parallel to fully automated blood separation with Compomat® G5
- Tailor-made program possibilities
- Data management system available



RCC in-line filter

5 FILTRATION

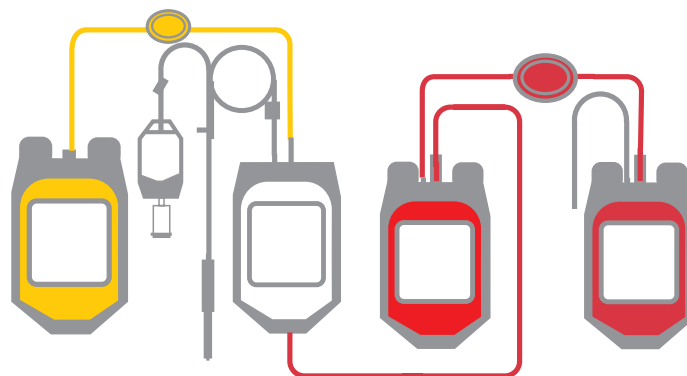
- Minimized cell loss with small elliptical filters
- In-process control possible due to transparent filter housing
- No air removal after filtration necessary

CompoSelect® for RCC in-line filtration

Preparation of leukocyte depleted red cell concentrates - with optional plasma and leukocyte depletion

- EXCELLENT LEUKOCYTE DEPLETION
According to WHO and European Guidelines
- MINIMUM VOLUME LOSS
RBC recovery > 90%
- SHORT FILTRATION TIME
∅ < 30 min.; dependent on whole blood volume,
Hct, temperature and age of RCC
- FLEXIBLE FILTRATION START
Preferable after 3 hrs up to 20 hrs on cooling plates
- FLEXIBLE CHOICE OF COMPOSELECT® IN-LINE SYSTEMS
T&B or conventional in-line as quadruple or quintuple systems
- TOTALLY PROVEN IN PRACTICAL USE, WORLDWIDE

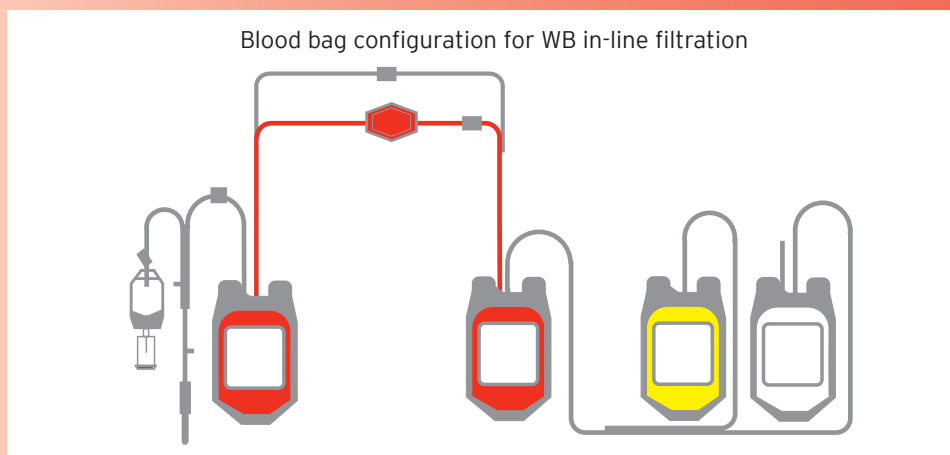
Blood bag configuration for RCC in-line filtration



CompoSelect® for whole blood in-line filtration

Preparation of plasma and red cell concentrates - both leukocyte depleted

- EXCELLENT LEUKOCYTE DEPLETION
According to WHO and European Guidelines
- MINIMUM VOLUME LOSS
RBC recovery > 90%
- SHORT FILTRATION TIME
Ø 16 min.; dependent on whole blood volume, Hct, temperature and age
- FLEXIBLE FILTRATION START
Preferable after 3 hrs up to 20 hrs on cooling plates
- FLEXIBLE CHOICE OF COMPOSELECT® IN-LINE SYSTEMS
T & B or conventional in-line systems
- TOTALLY PROVEN IN PRACTICAL USE, WORLDWIDE



ORDERING INFORMATION

A variety of in-line blood bag systems with different sizes, additives and storage solutions are available for your individual requirements. The below article codes are only exemplary. For more information such as literature, technical details, working instructions, as well as equipment, please contact your local sales representative or call us directly.

IN-LINE BLOOD BAG SYSTEMS

PQ31450	CompoSelect® Quadruple CPD/SAG-M T&T WB, 450 ml, 20 pcs/box
PQ31470	CompoSelect® Quadruple CPD/SAG-M T&T WB, 500 ml, 20 pcs/box
PQ32250	CompoSelect® Quadruple CPD/SAG-M T&B RCC, 450 ml, 24 pcs/box
PQ32270	CompoSelect® Quadruple CPD/SAG-M T&B RCC, 500 ml, 24 pcs/box
PQ32350	CompoSelect® Quadruple CPD/SAG-M T&B RCC/Plasma, 450 ml, 24 pcs/box
PQ31850	CompoSelect® Quadruple CPD/SAG-M - RCC/PLT, 450 ml, 24 pcs/box

DONATION

9028261	CompoGuard® Basic
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STORAGE/TRANSPORT

9028841	CompoCool® WB
9028751	CompoCool® WB cooling element
9024061	CompoSeal Universal
9027011	CompoSeal Mobilea II

SEPARATION

902550 1	CompoMat® G5
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CE marked Class IIb accord. EC-Directive 93/42/EEC



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