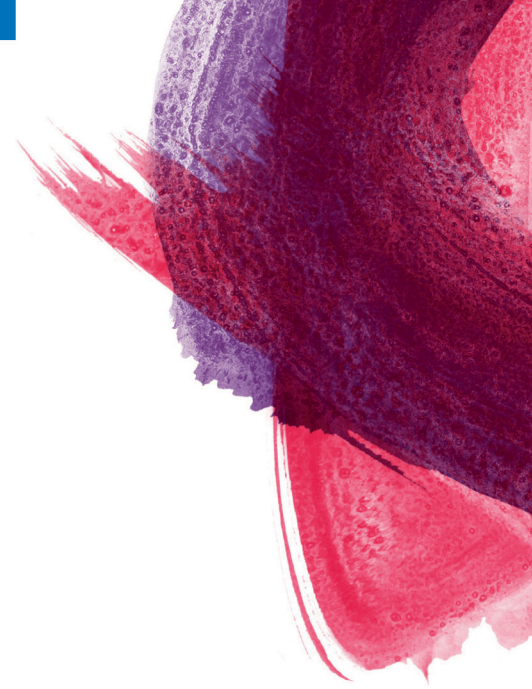


# CompoStop

Preparation of Leukocyte Depleted Platelet Concentrates from Buffy Coat Pools





## Next Generation of Leukocyte Depletion Filters for Platelet Concentrates

CompoStop platelet pooling systems are intended for automated preparation of leukodepleted platelet concentrates from buffy coats. They are available in different configurations allowing to pool 4-6 buffy coats via the octopus method or to sterile connect a prepared buffy coat pool directly to the filter system.

In preparation for the potential phase-out of DEHP in the European Union, Fresenius Kabi developed CompoStop platelet pooling systems containing less than 0,1% of DEHP by weight of the plasticized material in accordance with Regulation (EC) 1907/2006 (REACH).



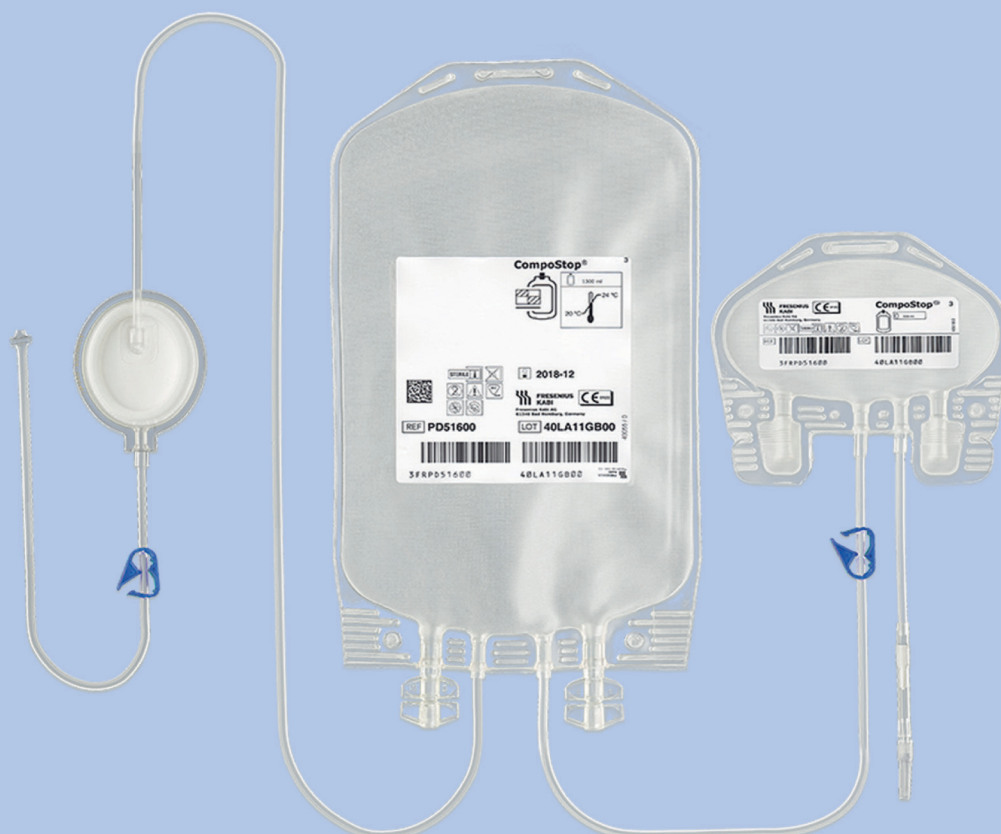
High leukocyte depletion



Flexible filter housing designed for ease of use



Small filter hold-up volume



## In-Line Filtration

- An internal study<sup>1</sup> showed:
  - Filtration efficiency averaging  $< 0,2 \times 10^6$  residual leukocytes
  - Platelet content averaging  $> 300 \times 10^9$ /unit
  - Filtration time of approximately 4 to 6 minutes\*
- Filter hold-up volume: 8 ml

\*Dependent on chosen separation program

## Validation Data<sup>1</sup>

European blood center. Pools of 5 buffy coats in PAS (n=6).  
Separation under pressure. BC from 500 ml blood collections in systems fully made with alternative plasticizers to DEHP.

	Volume (mL)		PLT ( $10^9$ /U)		rWBC* ( $10^6$ /U)		pH (at 37°C)	
<b>m</b>	346	335	319	279	0,17	-	7,13	7,26
<b>sd</b>	7	6	44	40	0,06	-	0,03	0,02
<b>min</b>	338	326	269	230	0,09	-	7,08	7,2
<b>max</b>	355	341	368	323	0,23	-	7,16	7,27
<b>day of storage</b>	2	8	2	8	2	8	2	8

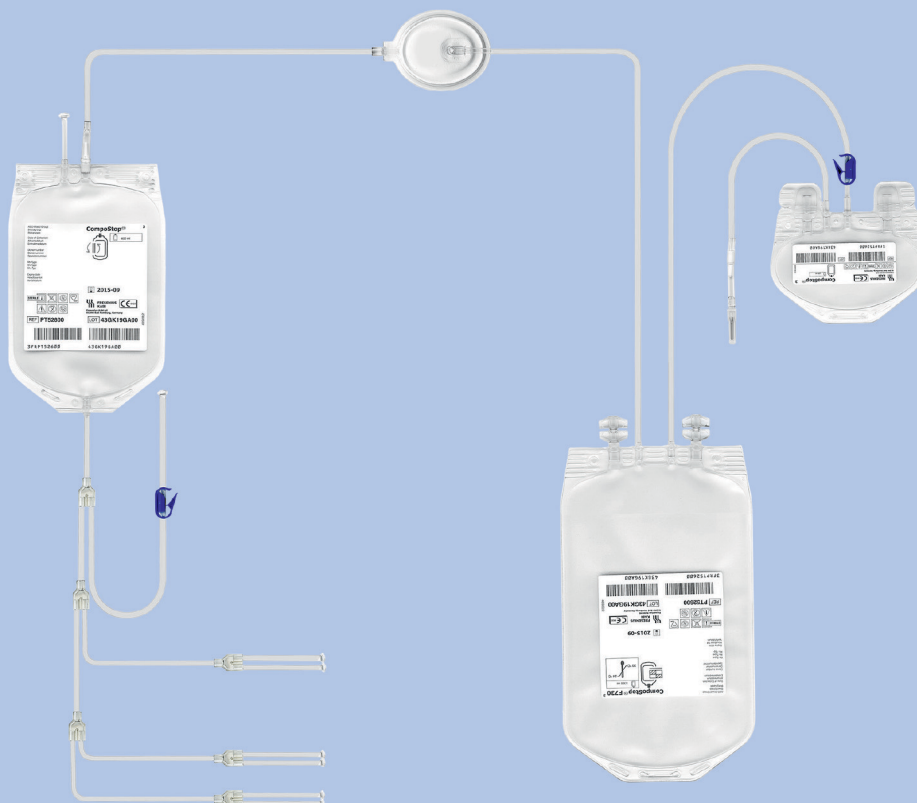
\* determined by fluorescent Nageotte counting

## Product Features

Housing Material	PVC, flexible housing
Sterilization	Steam
Shelf life	2 years
Storage Bag	PVC/BTHC, 1300 ml
Automatic Stop function	Yes

## Filter Material


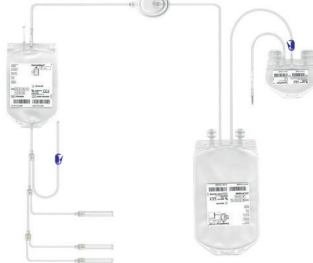
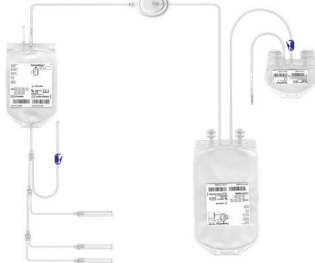
- Melt blown, non-woven polyester material
- Neutral charge fiber surface minimizing interactions with plasma proteins
- Excellent wetting characteristic



# CompoStop

## Ordering information

For more information such as literature, technical details and working procedures, please contact your local sales representative.

	CompoStop	CompoStop	CompoStop flow
			
<b>Article code:</b>	FD51600	FT52600	GT52600
<b>System per carton:</b>	40	30	30
<b>Storage bag:</b>	PVC/BTHC	PVC/BTHC	PVC/BTHC

Products containing less than 0,1% of DEHP by weight of the plasticized material in accordance with Regulation (EC) 1907/2006 (REACH).

## Process efficiency to help you achieve more

### References

1. White Paper - Fresenius Kabi CompoStop

### Abbreviations

**DEHP** = Bis(2-ethylhexyl) phthalate  
**PVC** = Polyvinyl chloride  
**PAS** = Platelet Additive Solution  
**rWBC** = residual White Blood Cells

**REACH** = Registration, Evaluation, Authorisation and Restriction of Chemicals  
**BTHC** = Butyryl trihexyl citrate  
**PLT** = Platelet

This marking reflects compliance with the applicable CE Marking requirements for medical devices. 



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