



BioR flex filter

Leukocyte depletion for red cell concentrates

A flexible filter that provides high filtration efficiency and stable performance, excellent recovery and easy to use for a reduced filtration time. Customer process simplified

Stable performance in wide range of user conditions

Safety guaranteed with complete traceability



A filter designed to give you the flexibility you need

Easy handling

- Integrated pre-filter
- No priming needed
- Vertical flow filtration
- Automatic filter emptying by self-collapsing

Unique features

BioR flex filtering material:

- Soft housing technology
- Melt-blown non-woven polyester
- Neutral charge coated fiber surface
- Excellent wetting characteristic
- High biocompatibility

Excellent safety

- High level of leukocyte and platelet depletion
- Stable performances in wide range of user conditions
- Sterile air-venting system
- Complete traceability





One size fits all

The BioR flex filter offers a 'one size fits all' approach that is suitable for both buffy coat and platelet rich plasma procedures.

Buffy Coat (BC) Procedure ¹								Platelet Rich Plasma (PRP) Procedure ²							
BioR flex n=22	Vol pre ml	HTC pre %	WBC pre x10 ⁶	Vol post ml	RCC rec %	WBC post x10 ⁶	Filtration Time mm:ss	BioR flex n=46	Vol pre ml	HTC pre %	WBC pre x10 ⁶	Vol post ml	RCC rec %	WBC post x10 ⁶	Filtration Time mm:ss
Mean	299	60,3	813	266	89,0	0,02	11:03	Mean	361	53,6	1817	333	92,2	0,10	11:25
ST DEV	30	2,66	530	30	1,1	0,01	02:26	ST DEV	32	1,81	777	32	1,3	0,15	03:31
MIN	265	55,7	135	235	87	0,01	07:45	MIN	286	46,7	334	258	88	0,01	05:55
MEDIAN	292	59,8	775	259	89	0,01	10:22	MEDIAN	365	53,7	1788	340	92	0,03	10:34
MAX	402	65,6	2639	372	93	0,04	16:10	MAX	413	57,5	4395	384	94	0,60	20:30

Standard requirements for leukocyte depletion of RCCs³

For 1 unit of RCC:

- <1 x 10⁶ residual leukocytes in \geq 90% of units tested
- Hemoglobin content after filtration: ≥ 40g/unit in ≥ 90% units tested
- Hemolysis rate at end of storage: < 0,8% of red cell mass in ≥ 90% units tested (BBS models)

BioR flex performance (based on available data)

For 1 unit of RCC:

- Filtration efficiency averaging less than 0,5 x 10⁵ residual leukocytes¹
- RCC recovery: average $\geq 90\%^2$
- Filtration time: averaging less than 12 min¹⁻² (BBS models)

1-2. Data from Center 1 (Germany, 2016); residual WBC counting by flow cytometer 3. EDQM 19th ed., 2017, cap. 5, part B, 5-6.

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Ordering Information

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



A variety of other configurations are available.

It is recommended to avoid bedside filtration when the patients are under treatment with ACE inhibitors, since they are more exposed to the risk of hypothensive reaction

The device contains DEHP and is a potential risk for pregnant or lactating women and children. It is advisable to use the device only if strictly necessary for the treatment of patients and, in any case, after a careful and individual risk-benefit evaluation.

Process efficiency to help you achieve more

E 0123

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



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