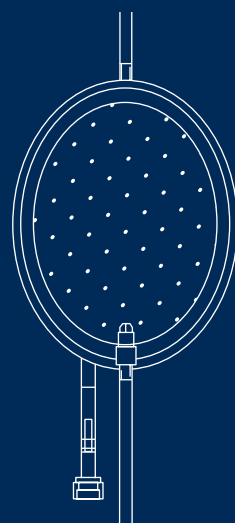
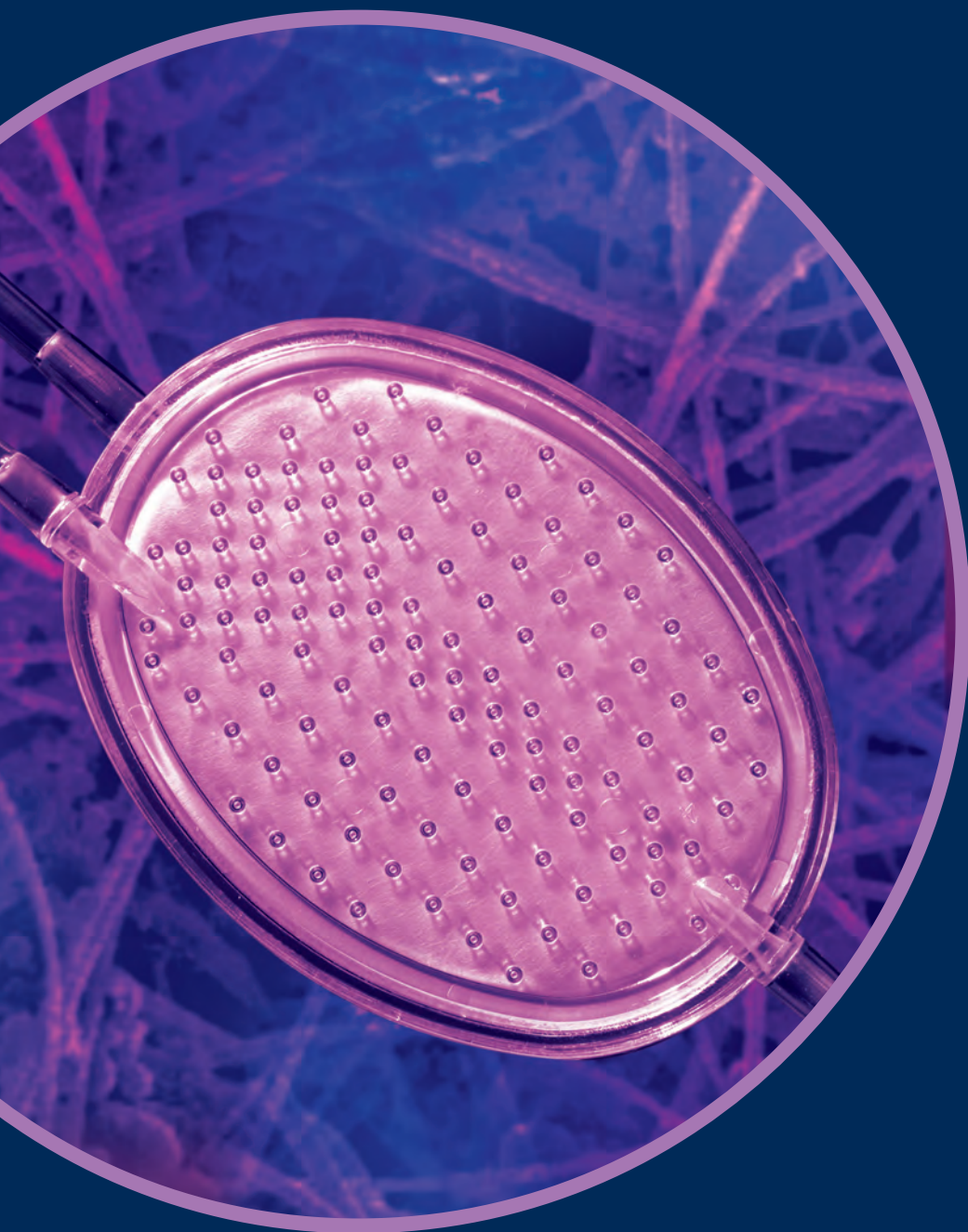


MEDICAL DEVICES

BioR Blood Filters

LEUKOCYTE DEPLETION FILTERS
FOR RED CELL CONCENTRATES



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BioR Blood Filters

Leukocyte depletion filters for red cell concentrates

BioR product range guarantees high filtration efficiency and performance, excellent recovery, user friendliness and time saving.

They are available as blood bank or bedside use filters in a wide variety of different configurations.

BioR 01 plus / max

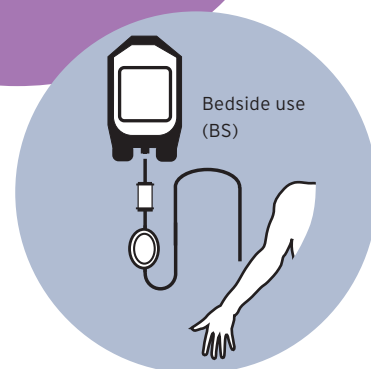
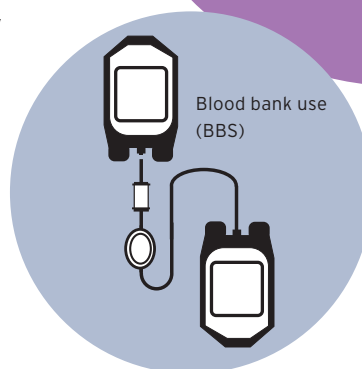
Filter made by non woven material. Rigid, transparent housing, with printed batch number. Gamma rays sterilization. 3 years shelf life from date of manufacture.

Specifications

- Filtration capacity: 1 unit of red cell concentrates
- Filtration efficiency:
 - consistently averaging less than $0,1 \times 10^6$ residual leukocytes (01 plus)
 - consistently averaging less than $0,5 \times 10^5$ residual leukocytes (01 max)
- Red blood cell recovery: averaging 88% *
- Filter housing hold-up volume: 33 ml *
- Filtration time: consistently less than 10 min (blood bank use)
- No priming with saline required
- Draining valves with integrated air filters (auto-venting) allow additional emptying of the filter housing and tubing to maximise the recovery of hemoglobin
- 200 µm prefilter for microaggregate removal
- Latex free

Leukocyte filters are characterized by:

- High filtration efficiency and performance
- Easy handling
- Minimal volume loss
- Short filtration time



* after use of auto

BioR 01 plus (n = 215) ²	PRE Volume (ml)	POST Volume (ml)	Htc (%)	Hb Recovery (%)	PRE WBC (x 10 ⁹ /unit)	POST WBC (x 10 ⁴ /unit)	Filtration Time (mm:ss)
Mean	282	250	61,1	88	4,0	3,5	08:12
Stand. Dev.	20,2	20,1	3,6	2,1	4,19	2,20	01:58
Min	203	175	50,0	83	0,3	1,8	04:26
Max	344	314	69,0	96	26,3	15,3	14:17

² Data from Center 1 (Italy, 2010): BC-depleted RCC units, stored in SAG-M at +4±2°C for 2-40 days; residual WBCs counting by Nageotte chamber.

Unique features of BioR Filtering material¹

- Melt-blown non-woven polyester fibre
- Non ionic coated fibre surface
- Neither positively nor negatively charged
- Excellent wetting characteristic
- High biocompatibility

¹Trans. Med. Rev. 1995, 9 (2), 145-166



Filter Design

The computer generated filter housing provides optimal flow characteristics.

The batch number printed on each filter enables backtracking and follow-up quality control. For optimal priming, wetting and filling of the filter the configuration is assembled in an upside down position. In case of emergencies blood can be filtered with a maximum pressure of 300 mm Hg or 0.4 bar.

BioR O2 plus

Filter made by non woven material. Rigid, transparent housing, with printed batch number. Gamma rays sterilization. 3 years shelf life from date of manufacture.

Specifications

- Filtration capacity: 2 units of red cell concentrates
- Filtration efficiency: consistently averaging less than $0,2 \times 10^6$ residual leukocytes
- Red blood cell recovery: averaging $> 90\%$ *
- Filter housing hold-up volume: 50 ml *
- Filtration time: consistently less than 20 min (for both units, blood bank use)
- No priming with saline required
- Draining valves with integrated air filters (auto-venting) allow additional emptying of the filter housing and tubing to maximise the recovery of hemoglobin
- 200 μ m prefilter for microaggregate removal
- Latex free



-venting valves

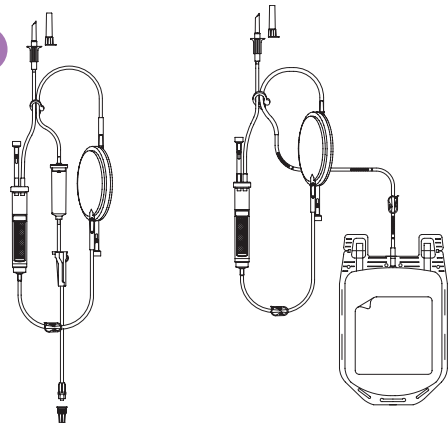
BioR 01 max (n = 130) ²	PRE Volume (ml)	POST Volume (ml)	Htc (%)	Hb Recovery (%)	PRE WBC (x 10 ⁹ /unit)	POST WBC (x 10 ⁴ /unit)	Filtration Time (mm:ss)
Mean	281	249	60,7	88	3,5	3,4	08:35
Stand. Dev.	18,9	19,3	3,4	2,2	3,67	2,55	01:59
Min	233	201	50,1	83	0,2	2,0	05:10
Max	356	317	69,2	92	22,8	18,5	14:50

² Data from Center 1 (Italy, 2010): BC-depleted RCC units, stored in SAG-M at +4±2°C for 2-40 days; residual WBCs counting by Nageotte chamber.

Ordering information

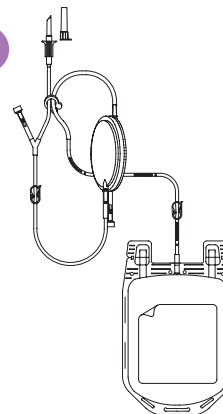
For more information such as technical details and manuals, please contact your local sales representative or us.

BioR 01 plus



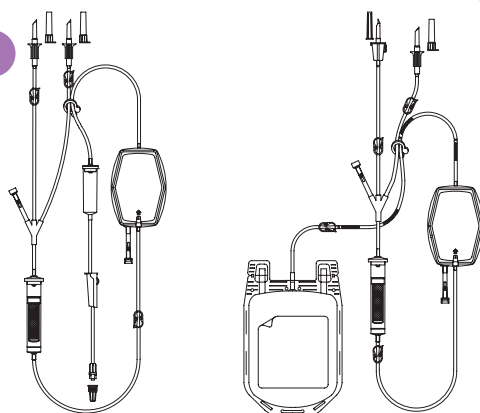
Article code	9009701	9009711
Product name	BioR 01 plus BS PF	BioR 01 plus BBS PF
Storage bag	-	DEHP plasticized PVC
Packaging	40 units/box	40 units/box

BioR 01 max



Article code	9009571
Product name	BioR 01 max BBS
Storage bag	DEHP plasticized PVC
Packaging	40 units/box

BioR 02 plus



Article code	A2BB0080	9094411
Product name	BioR 02 plus BS PF	BioR 02 plus BBS PF
Storage bag	-	DEHP plasticized PVC
Packaging	40 units/box	40 units/box

Article code	A2BA0560
Product name	BioR 01 max BBSS PF
Storage bags	DEHP plasticized PVC
Packaging	40 units/box

A variety of other configurations is available.



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