

BPF4™ High Efficiency Post-Process Filter System

For Leucocyte Removal from Red Cells

- Blood bank filtration of one unit of red cells
- High red cell recovery
- High efficiency leucocyte removal
- Easy to use
- Rapid filtration times
- Suitable for either open or closed system processing
- Air elimination system
- Clinically proven media technology



Features

- High efficiency filtration system for the removal of leucocytes (WBC) providing low residuals consistently averaging less than 5×10^4 .
- High red cell recovery of greater than 90%, with minimum filter hold up volume (25 mL after recovery).
- Rapid filtration times (dependent upon factors such as storage time and haematocrit).
- Available with air elimination system and attached red cell transfer bag.
- Used with all standard anticoagulants/additive solutions.
- Easy to use.

Filtration Application

- Post-process filter system indicated for the removal of leucocytes platelets and microaggregates from a single unit of red cells.
- For use in blood banks.

Clinical Benefits

- Clinically proven media technology significantly reduces the risk of leucocyte associated transfusion complications such as microaggregates, alloimmunisation, febrile reactions, refractoriness to platelets, Cytomegalovirus and immunosuppression.*
- High technology filtration media, and minimal filter hold-up volume, provides high recovery of red cells for transfusion to the patient.

*Data available on request from Haemonetics.

Performance Data

- After storage of packed red cells at 4 °C for 2-4 days, units (n=40) were removed from the refrigerator and filtered through BPF4™ filter. All filtrations were performed at room temperature (20-24 °C).

Sample	Volume (mL)	Filtration Time (min)	Residual WBC (x10 ⁹)
1	342	10.0	< 0.35
2	292	13.0	< 0.29
3	258	9.0	< 0.26
4	260	8.0	< 0.26
5	325	11.5	< 0.32
6	340	15.5	< 0.34
7	340	15.5	< 0.34
8	350	16.0	< 0.35
9	305	11.0	< 0.31
10	310	11.3	< 0.31
11	314	8.8	< 0.32
12	307	10.0	< 0.31
13	322	11.5	< 0.32
14	314	11.2	< 0.31
15	291	12.5	< 0.29
16	292	11.5	< 0.29
17	282	13.2	0.28
18	282	9.2	< 0.28
19	336	11.0	< 0.34
20	322	13.0	< 0.32
21	326	11.0	< 0.33
22	321	14.0	< 0.32
23	328	11.0	< 0.33
24	325	12.0	0.33
25	340	12.0	< 0.34
26	304	9.0	0.30
27	287	8.0	< 0.29
28	280	15.0	< 0.28
29	255	8.0	< 0.26
30	372	13.0	< 0.37
31	313	9.5	< 0.31
32	321	9.3	0.32
33	266	7.7	3.2
34	335	10.0	< 0.34
35	293	7.5	< 0.29
36	294	7.5	< 0.29
37	301	7.0	0.90
38	256	8.0	< 0.26
39	301	9.0	3.0
40	323	17.5	1.6

- Residual leucocyte levels were counted using a manual method (Nageotte chamber).

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Ordering Information

Reorder Code	Description	Pkg
BPF4BBS/L	with attached 600 mL PVC transfer bag	20/case
BPF4BWL	with attached 600 mL PVC transfer bag and satellite bag	20/case