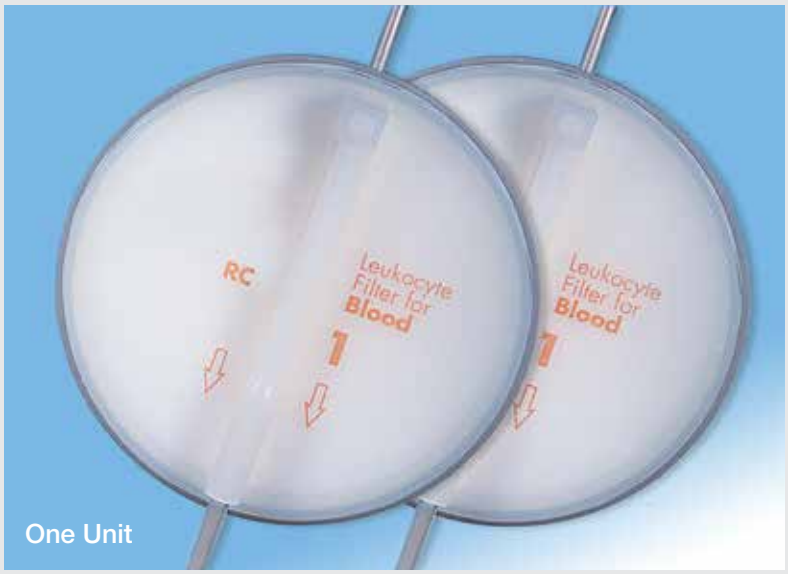
RC High Efficiency Leucocyte Removal Filter



For Blood Transfusion

- Clinically proven media technology
- For standard or rapid flow applications
- Easy prime technology
- Enhanced ease of use
- High efficiency leucocyte removal
- High red cell recovery
- Minimal filter hold-up volume
- Rapid priming without saline
- Bedside filtration of one unit of red cells

Features and 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.*
- Ease of use has been significantly enhanced by the new filter design which provides:
  - Priming by gravity or rapid priming by squeezing the blood bag
  - New vented spike design to allow upstream of filter to drain following transfusion, maximising red cell recovery
  - Unique self levelling drip chamber allowing self priming of the filter and drip chamber
- For standard or rapid flow applications. Higher flow rates can be achieved with a pressure cuff (up to 300 mmHg).
- Dependably and efficiently delivers low leucocyte residuals, affording the maximum patient protection against leucocyte related transfusion complications (consistently averaging less than 5 x 10^5/unit for buffy coat rich red cells and 2 x 10^5/unit for buffy coat poor red cells).*
- Primes directly with red cells quickly and conveniently without the need for priming with saline.
- High technology filtration media and minimal filter hold-up volume (20 mL after recovery) provides minimal loss of red cells without the need for saline flushing.
- Unique housing design allows maximum use of the filter media surface area for consistent results.

*Data available on request from Haemonetics Corporation.


Vented Spike


Self Levelling Drip Chamber

HAEMONETICS®
THE Blood Management Company®

Performance Summary

The residual WBC level after filtration of one unit of **buffy coat rich** red cells through a RC1 filter at either gravity flow or high flow consistently averages less than 5 x 10^5/unit.

PRC Additive	Blood Age (Days)	Pre-Filtration (x 10^9/unit)	Post-Filtration WBC (x 10^5/unit)	Flow Rate
SAGM+BC	3	1.42	<0.23	1
	3	2.06	0.23	2
	7	1.45	0.55	1
	7	2.59	0.26	2
	14	0.84	< 0.24	1
	14	0.98	0.55	2
	14	1.50	0.27	1
	14	2.16	2.65	2
	29	0.71	< 0.24	1
	29	0.57	5.71	2

The residual WBC level after filtration of one unit **buffy coat depleted** red cells through an RC1 filter at either gravity flow or high flow consistently averages less than 2 x 10^5/unit.

PRC Additive	Blood Age (Days)	Pre-Filtration (x 10^9/unit)	Post-Filtration WBC (x 10^5/unit)	Flow Rate
SAGM-BC	3	0.34	0.25	1
	3	0.32	0.82	2
	4	0.42	0.84	1
	4	0.29	0.49	2
	16	0.39	< 0.28	1
	16	0.72	0.27	2
	30	0.53	<0.28	1
	30	0.37	<0.28	2
	31	0.61	< 0.27	1
	31	0.29	0.24	2

1 = 1 m gravity flow
2 = 300 mmHg pressure

- WBC count post filtration was determined using a manual counting method (Nageotte Chamber).
- Blood was stored at 4 °C and left for 10 minutes at room temperature before filtration.

Ordering Information

Reorder Code	Description	Pkg
RC1VE	RC High Efficiency Leucocyte Removal Filter	20/case
RC1VAE	with Attached Self Levelling Administration Set	20/case

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