

LRP6 High Efficiency Post-Process Filter System



For Leucocyte Removal from Platelets

- High platelet recovery
- High efficiency leucocyte removal
- Self priming and easy to use
- Rapid filtration times
- Suitable for either open or closed system processing
- Blood bank filtration of 3 to 6 units of platelet concentrate or an equivalent single donor platelet collection
- Clinically proven media technology

Features

- High efficiency filtration system for the removal of leucocytes providing low residuals consistently averaging less than 5×10^5 leucocytes per transfusion
- Available with air elimination system and optional attached platelet collection bags
- High platelet recovery of greater than 90% with minimum filter hold up volume (5 mL after recovery)
- Rapid filtration times (average of 5 minutes for the maximum indicated volume of platelets)

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 provide high recovery of platelets for transfusion to the patient

*Data available on request from Haemonetics.

Filtration Application

- Post-process filter system indicated for the removal of leucocytes and microaggregates, and the reduction of anaphylatoxin C3a, from platelets prepared from 3 to 6 units of pooled random donor platelet concentrates, or a single donor apheresis platelet collection
- For use in blood banks

Ordering Information

Reorder Code	Description	Pkg
LRP6BBS/L	with attached transfer bag	20/case
LRP6SCL	with attached CLX® transfer bag	20/case
LRP6BEL	with attached ELX transfer bag	20/case

Data Summary

3 buffy coat pool in platelet additive solution

Table 1 Pre-Filtration

	Volume (mL)	WBC (x 10 ⁷ /unit)	Platelet (x 10 ¹¹ /unit)
	295	5.0	2.12
	303	10.0	1.65
	298	6.0	2.00
	299	4.0	2.29
	315	14.0	1.74
	308	6.0	2.25
	313	7.0	2.51
	300	7.0	2.13
	310	10.0	2.02
	303	7.0	1.81
	305	8.0	2.28
	309	13.0	2.51
	306	8.0	1.80
	320	23.0	1.83
	310	5.0	2.48
	299	5.0	2.37
Mean	306	8.0	2.11
SD	7	5.0	0.29

Table 2 Post-Filtration

	Volume (mL)	WBC (x 10 ⁶ /unit)	Platelet (x 10 ¹¹ /unit)	Platelet Recovery %	Filtration Time (m:s)
	289	< 1.45	1.98	95.5	2:45
	296	< 1.48	1.46	90.8	3:40
	322	< 1.61	1.94	90.0	5:40
	292	< 1.46	2.17	97.0	2:37
	309	< 1.55	1.42	83.5	7:00
	302	1.81	1.93	87.4	4:45
	307	< 1.54	2.36	95.9	4:45
	293	< 1.47	1.87	89.9	4:50
	304	< 1.52	1.75	88.3	3:50
	297	< 1.49	1.64	92.1	3:10
	298	< 1.49	2.22	*	3:25
	300	2.55	2.27	93.4	4:10
	300	< 1.50	1.75	99.3	3:05
	313	< 1.56	1.64	91.8	3:30
	304	< 1.52	2.16	89.1	2:55
	293	< 1.46	2.17	93.4	3:10
Mean	302	≤ 1.59	1.92	91.8	3:57
SD	9	0.27	0.29	4.08	1:11

* Sample not measured

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