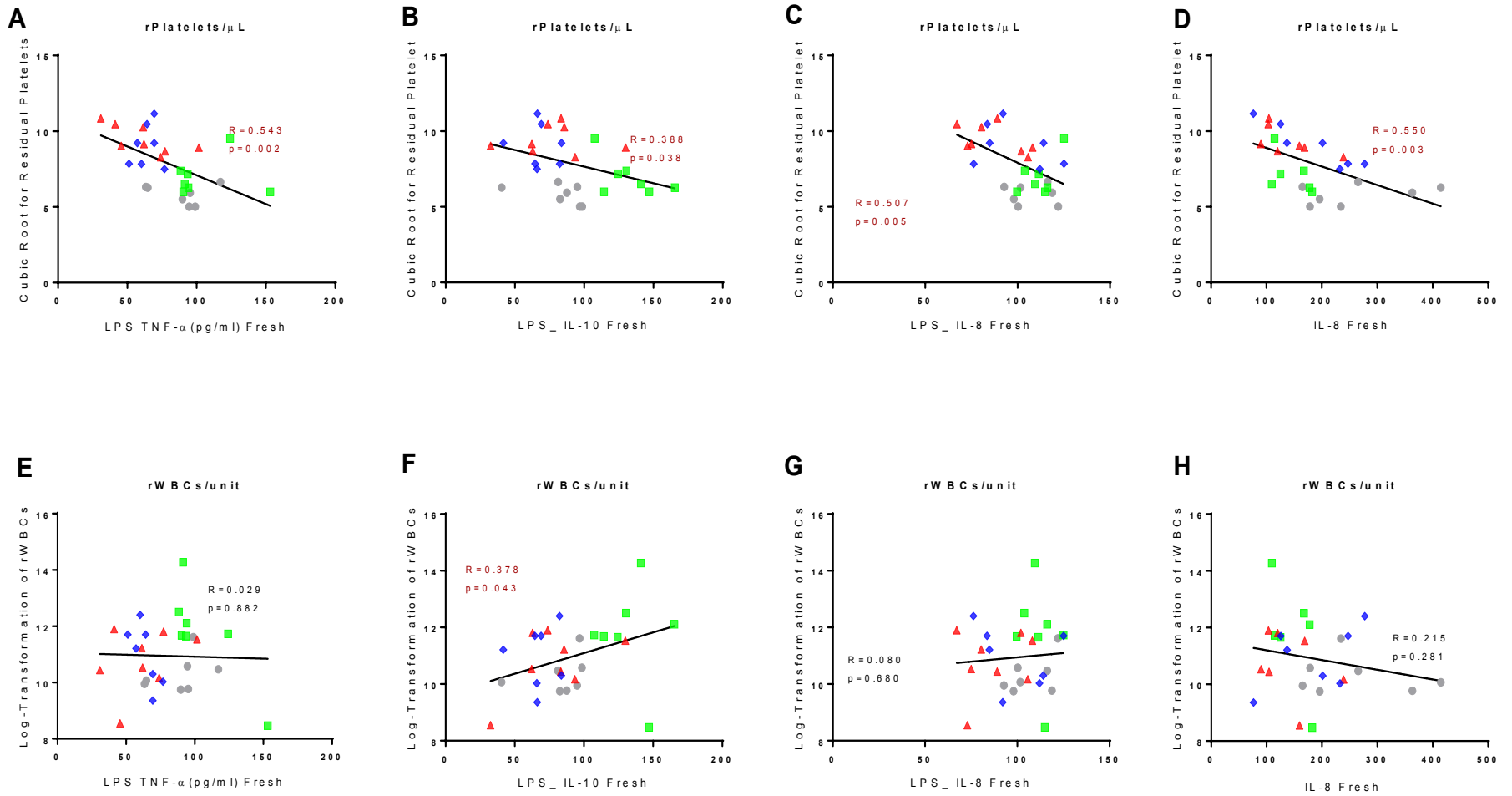
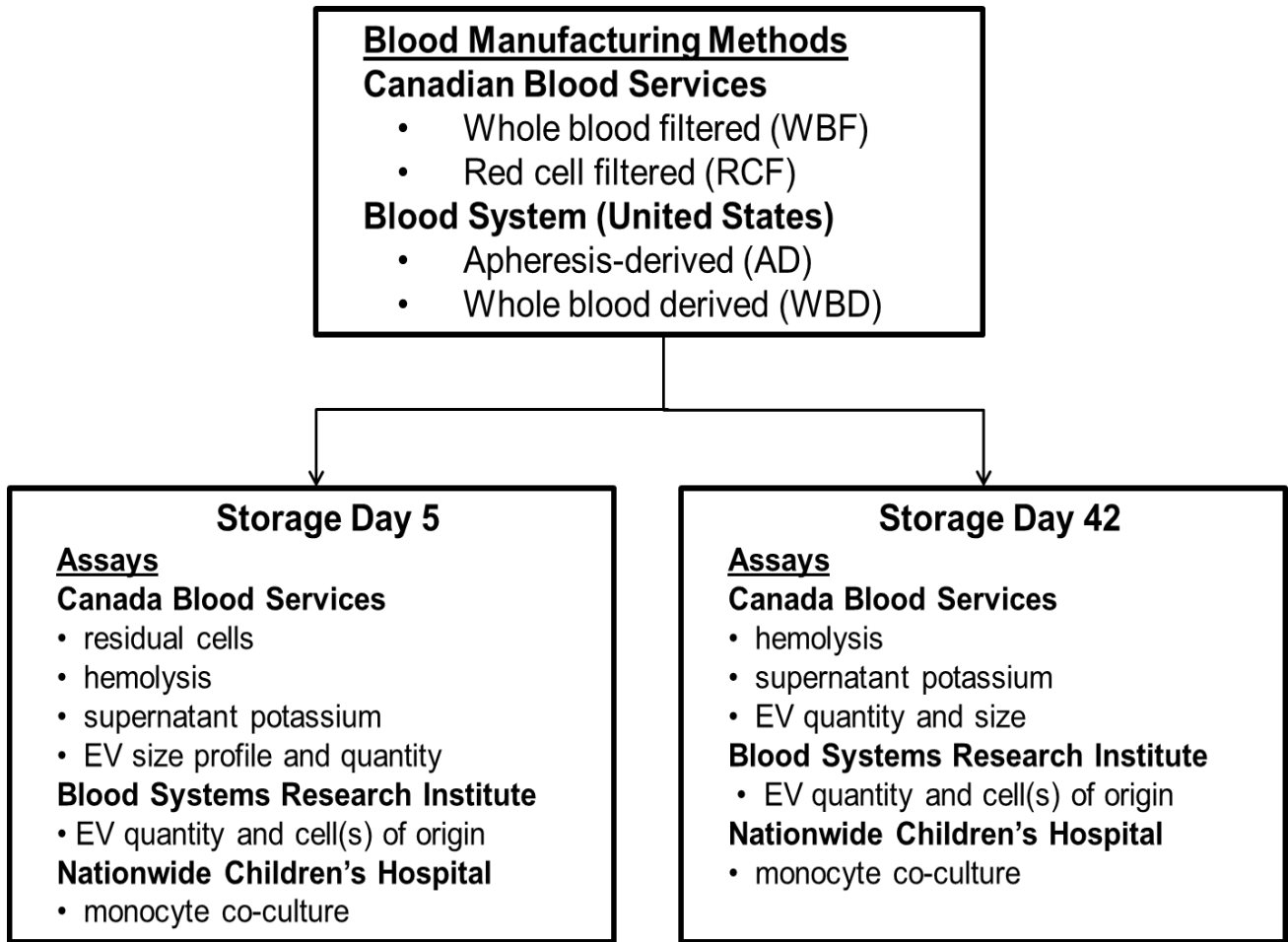


Supplement Figure 1: Overall correlations between the level of residual cells and monocyte cytokines production for all manufacturing methods [WBF (grey), RCF (green), AD (red), and WBD (blue)].



Supplement Figure 2: Overview of experimental methods.



Supplement Table 1: Pearson correlation coefficient was calculated between EVs based on their cell of origin and cytokines expression for all RCC units

Table 1a: Pearson correlation between EVs and Cytokines: **Fresh Products**

EVs Markers/Cell of Origin	Fresh: correlation (p-value)				
	LPS TNF	LPS IL-8	LPS IL-10	LPS IL-1 Beta	IL 8
CD41a+ (Platelet)-EVs+	-0.2432 (0.2037)	-0.2832 (0.1365)	-0.2895 (0.1276)	-0.1116 (0.5717)	0.1559 (0.4375)
CD235a+ (Erythrocyte)-EVs	-0.0473 (0.8076)	-0.0969 (0.6169)	0.0017 (0.9930)	0.0941 (0.6339)	-0.1078 (0.5923)
CD144+ (Endothelial)-EVs	-0.1566 (0.4172)	-0.0213 (0.9125)	-0.0438 (0.8216)	-0.3346 (0.0818)	-0.1421 (0.4795)
CD66b+ (Granulocyte)-EVs	-0.2074 (0.2804)	-0.0704 (0.7165)	-0.0842 (0.6642)	-0.1624 (0.4090)	0.1677 (0.4031)
CD19+ (B-lymphocyte)-EVs	-0.4378 (0.0175)	-0.3113 (0.1002)	-0.5133 (0.0044)	-0.3035 (0.1164)	0.1571 (0.4339)
CD14+ (Monocyte)-EVs	-0.1968 (0.3063)	-0.0087 (0.9644)	-0.0666 (0.7316)	-0.2717 (0.1620)	-0.0101 (0.9603)
CD16+(NK/Active Monocyte)-EVs	-0.4678 (0.0105)	-0.2412 (0.2075)	-0.4990 (0.0059)	-0.3585 (0.0610)	0.0958 (0.6345)
CD3+ (T lymphocyte)-EVs	-0.3498 (0.0629)	-0.2573 (0.1779)	-0.3792 (0.0425)	-0.1809 (0.3569)	0.0751 (0.7096)
CD142+(Tissue Factor)-EVs	-0.4359 (0.0181)	-0.3474 (0.0648)	-0.1520 (0.4313)	0.0632 (0.7494)	0.1538 (0.4439)
Total WBCs-EVs*	-0.322 (0.088)	-0.088 (0.659)	-0.211 (0.271)	-0.354 (0.064)	0.024 (0.906)

*WBC = CD19⁺, CD14⁺, CD16⁺, CD3⁺, and CD66b⁺ EVs combined together.

Table 1b: Pearson correlation between EVs and Cytokines: **Expiry Products**

EVs Markers/Cell of Origin	Expiry: correlation (p-value)				
	LPS TNF	LPS IL-8	LPS IL-10	LPS IL-1 Beta	IL 8
CD41a+ (Platelet)-EVs	-0.3522 (0.0481)	-0.1707 (0.3585)	-0.1214 (0.5081)	-0.2096 (0.2662)	0.2064 (0.2827)
CD235a+ (Erythrocyte)-EVs	0.0175 (0.9245)	-0.0135 (0.9425)	-0.0355 (0.8471)	0.0638 (0.7378)	0.1089 (0.5738)
CD144+ (Endothelial)-EVs	0.1328 (0.4688)	-0.2048 (0.2692)	0.4465 (0.0104)	0.2226 (0.2371)	-0.3168 (0.0940)
CD66b+ (Granulocyte)-EVs	-0.2486 (0.1701)	-0.3200 (0.0792)	-0.0926 (0.6141)	0.0868 (0.6483)	0.1924 (0.3174)
CD19+ (B-lymphocyte)-EVs	0.0076 (0.9670)	0.0175 (0.9255)	-0.0932 (0.6117)	0.0004 (0.9984)	0.2064 (0.2828)
CD14+ (Monocyte)-EVs	-0.1669 (0.3612)	0.0984 (0.5983)	0.3690 (0.0377)	-0.2113 (0.2622)	0.6102 (0.0004)
CD16+(NK/Active Monocyte)-EVs	-0.2149 (0.2375)	-0.1500 (0.4205)	-0.0889 (0.6284)	-0.1786 (0.3449)	0.1014 (0.6006)
CD3+ (T lymphocyte)-EVs	-0.0919 (0.6169)	-0.2547 (0.1668)	0.0924 (0.6150)	-0.1344 (0.4788)	-0.0744 (0.7014)
CD142+(Tissue Factor)-EVs	0.0029 (0.9876)	0.0012 (0.9949)	-0.0353 (0.8481)	0.0663 (0.7277)	0.1727 (0.3703)
Total WBCs-EVs*	-0.228 (0.210)	0.000 (1.000)	-0.275 (0.127)	-0.245 (0.191)	0.570 (0.001)

*WBC = CD19⁺, CD14⁺, CD16⁺, CD3⁺, and CD66b⁺ EVs combined together.