

紅血球濃厚液之 cytokine 含量
(Cytokine levels in red cell concentrates)

測試日期: April 2021

Cytokine	Sample collected from	No of tested	Cytokine level (pg/ml) ^{(1) (2)}	
			Mean	S.D.
IL-1 β	Pre-S LR RBCs ⁽³⁾	10	3.1	1.4
	Post-S LR RBCs ⁽⁴⁾	13	3.6	3.4
	Fresh donor sample	19	2.2	1.2
IL-6	Pre-S LR RBCs	11	BDL ⁽⁵⁾	-
	Post-S LR RBCs	15	BDL	-
	Fresh donor sample	23	BDL	-
IL-8	Pre-S LR RBCs	13	0.8	0.5
	Post-S LR RBCs	14	2.0	1.2
	Fresh donor sample	22	0.8	0.5
TNF- α	Pre-S LR RBCs	11	5.1	1.8
	Post-S LR RBCs	15	14.9	6.7
	Fresh donor sample	17	18.7	12.6
VEGF	Pre-S LR RBCs	12	12	11
	Post-S LR RBCs	11	142	101
	Fresh donor sample	25	BDL ⁽⁵⁾	-
RANTES	Pre-S LR RBCs	15	1,726	543
	Post-S LR RBCs	11	2,855	1,055
	Fresh donor sample	19	1,790	1,207

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⁽¹⁾ Using a luminex beads-based test for detection

⁽²⁾ Cytokine level in red cell concentrates of 10-14 days after collection, or in fresh donor sample

⁽³⁾ Pre-S LR RBCs: Pre-storage leukoreduced red blood cells

⁽⁴⁾ Post-S LR or Non-LR RBCs: Post-storage leukoreduced or non-leukoreduced red blood cells

⁽⁵⁾ BDL: Below detection limit (0.64 pg/ml for IL-6; 2.6 pg/ml for VEGF)