

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

測試日期: December 2020

Cytokine	Sample collected from	No of tested	Cytokine level (pg/ml) ^{(1) (2)}	
			Mean	S.D.
IL-1 β	Pre-S LR RBCs ⁽³⁾	16	3.13	1.84
	Post-S LR or Non-LR RBCs ⁽⁴⁾	35	3.51	2.55
	Fresh donor sample	8	1.96	1.51
IL-6	Pre-S LR RBCs	16	BDL ⁽⁵⁾	-
	Post-S LR or Non-LR RBCs	39	BDL	-
	Fresh donor sample	8	BDL	-
IL-8	Pre-S LR RBCs	18	1.61	1.05
	Post-S LR or Non-LR RBCs	33	4.50	3.07
	Fresh donor sample	10	1.07	0.82
TNF- α	Pre-S LR RBCs	16	16.3	6.9
	Post-S LR or Non-LR RBCs	33	21.6	10.2
	Fresh donor sample	8	15.0	8.3
VEGF	Pre-S LR RBCs	15	87	68
	Post-S LR or Non-LR RBCs	32	265	153
	Fresh donor sample	8	BDL ⁽⁵⁾	-
RANTES	Pre-S LR RBCs	19	2,169	724
	Post-S LR or Non-LR RBCs	39	2,893	681
	Fresh donor sample	10	782	559

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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)