

Table 1: Comparison the parameters of random donor platelets stored for seven day at 22°C with and with out platelet additive solution.

S. No	Parameter	Platelet in platelet additive solution			Platelet in plasma		
		0 day	5 day	7 day	0 day	5 day	7 day
1.	Platelet Count (m/mm ³)	246 ± 34	242 ± 30	240 ± 30	246 ± 30	243 ± 30	237 ± 34
2.	MPV (fl)	4.6 ± 1	4.8 ± 1.3	4.9 ± 1.4	4.5 ± 1	4.9 ± 1.4	5.4 ± 1.3
3.	PDW	5.0± 1.5	5.6 ± 1.4	6.0 ± 1.4	5.2 ± 1.3	5.8 ± 1.4	6.8 ± 1.3*
4.	LDH (U/L)	145 ± 24	148 ± 22	154 ± 24	139 ± 23	144 ± 21	147 ± 22
5.	pH	7.15 ± 0.03	7.13 ± 0.04	7.12 ± 0.05	7.14 ± 0.05	7.13 ± 0.02	7.09± 0.04
6.	Glucose (mmol/L)	12.9 ± 2	11.6 ± 4	8.9 ± 4	15.4 ± 2	12.7 ± 2	6.0 ± 4*
7.	Platelet aggregation % (5µM ADP)	69 ± 4	62 ± 4	58±3	72 ± 4	64 ± 4	40 ± 3*

n= 48 units of random donor platelets,
Value was mean±SD; * p <0.001 compared to five day