

Table 1: Comparison of manual and automatic parasitemia estimation

Image	WBC	Manual estimation			Automatic estimation			Parasitemia estimation error
		RBCs	Infections	Parasitemia	RBCs	Infections	Parasitemia	
2(a)	No	188	16	8.51%	180	16	8.89%	0.38%
2(b)	No	108	8	7.41%	105	7	6.67%	0.74%
2(c)	Yes	209	6	2.87%	219	7	3.20%	0.33%
2(d)	No	312	5	1.60%	302	4	1.32%	0.28%
2(e)	No	303	14	4.62%	273	15	5.49%	0.87%
2(f)	No	327	5	1.53%	268	8	2.99%	1.46%
2(g)	No	268	19	7.09%	254	18	7.09%	0.00%
2(h)	No	240	24	10.00%	272	30	11.03%	1.03%
2(i)	No	361	10	2.77%	361	12	3.32%	0.55%