

Parameter	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	PLT
Unit	x10 ³ mm ³	x10 ⁶ mm ³	g/dl	%	fl	pg	g/dl	x10 ³ mm ³
Instrument								
Dirui (3 & 5 part diff)	6.1	4.39	14.1	39.7	90.4	32.1	35.5	247
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.5	4.14	13.2	36.7	85.4	29.1	32.5	202
Upper Limit	6.7	4.64	15.0	42.7	95.4	35.1	38.5	292
Medonic & M – Series	6.2	4.41	14.0	40.1	90.9	31.8	34.9	236
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.6	4.16	13.1	37.1	85.9	28.8	31.9	191
Upper Limit	6.8	4.66	14.9	43.1	95.9	34.8	37.9	281
Swelab & α – Series	6.0	4.36	13.9	39.7	91.1	31.9	35.0	246
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.4	4.11	13.0	36.7	86.1	28.9	32.0	201
Upper Limit	6.6	4.61	14.8	42.7	96.1	34.9	38.0	291
MS9	6.0	4.40	14.0	40.2	91.4	31.8	34.8	233
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.4	4.15	13.1	37.2	86.4	28.8	31.8	188
Upper Limit	6.6	4.65	14.9	43.2	96.4	34.8	37.8	278
Diatron (Abacus)	6.0	4.35	14.0	39.3	90.3	32.2	35.6	239
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.4	4.10	13.1	36.3	85.3	29.2	32.6	194
Upper Limit	6.6	4.60	14.9	42.3	95.3	35.2	38.6	284
Hycel	6.1	4.39	14.1	39.0	88.8	32.1	36.2	241
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.5	4.14	13.2	36.0	83.8	29.1	33.2	196
Upper Limit	6.7	4.64	15.0	42.0	93.8	35.1	39.2	286

Parameter	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	PLT
Unit	x10 ³ mm ³	x10 ⁶ mm ³	g/dl	%	fl	pg	g/dl	x10 ³ mm ³
Instrument								
Sysmex X Series	6.3	4.11	14.4	39.2	95.4	35.0	36.7	239
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.7	3.86	13.5	36.2	90.4	32.0	33.7	194
Upper Limit	6.9	4.36	15.3	42.2	100.4	38.0	39.7	284
Sysmex KX21-K4500 -XP100 & 300	6.0	4.41	14.0	40.2	91.2	31.8	34.8	250
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.4	4.16	13.1	37.2	86.2	28.8	31.8	205
Upper Limit	6.6	4.66	14.9	43.2	96.2	34.8	37.8	295
Sysmex K1000 – K800	6.1	4.36	14.1	39.7	91.1	32.3	35.5	241
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.5	4.11	13.2	36.7	86.1	29.3	32.5	196
Upper Limit	6.7	4.61	15.0	42.7	96.1	35.3	38.5	286
Nihon Kohden (Celltac)	6.0	4.35	14.1	40.3	92.6	32.4	35.0	211
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.4	4.10	13.2	37.3	87.6	29.4	32.0	166
Upper Limit	6.6	4.60	15.0	43.3	97.6	35.4	38.0	256
Abbott (Cell Dyn)	6.2	4.35	14.0	39.5	90.8	32.2	35.4	236
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.6	4.10	13.1	36.5	85.8	29.2	32.4	191
Upper Limit	6.8	4.60	14.9	42.5	95.8	35.2	38.4	281
Convergent (3 & 5 Part diff)	6.2	4.31	14.3	39.4	91.4	33.2	36.3	244
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.6	4.06	13.4	36.4	86.4	30.2	33.3	199
Upper Limit	6.8	4.56	15.2	42.4	96.4	36.2	39.3	289

Parameter	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	PLT
Unit	x10 ³ mm ³	x10 ⁶ mm ³	g/dl	%	fl	pg	g/dl	x10 ³ mm ³
Instrument								
ABX Micros	6.2	4.17	14.3	38.8	93.1	34.3	36.9	229
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.6	3.92	13.4	35.8	88.1	31.3	33.9	184
Upper Limit	6.8	4.42	15.2	41.8	98.1	37.3	39.9	274
ABX Pentra	6.2	4.33	14.1	39.4	91.0	32.6	35.8	244
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.6	4.08	13.2	36.4	86.0	29.6	32.8	199
Upper Limit	6.8	4.58	15.0	42.4	96.0	35.6	38.8	289
Coulter - Helena	5.8	4.21	13.7	38.1	90.5	32.5	36.0	217
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.2	3.96	12.8	35.1	85.5	29.5	33.0	172
Upper Limit	6.4	4.46	14.6	41.1	95.5	35.5	39.0	262
Diagon (D-Cell 60 & 5D)	6.0	4.38	14.0	39.3	89.7	32.0	35.6	238
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.4	4.13	13.1	36.3	84.7	29.0	32.6	193
Upper Limit	6.6	4.63	14.9	42.3	94.7	35.0	38.6	283
Hiperion(B-Cell 60)	6.1	4.31	14.2	39.7	92.1	33.0	35.8	241
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.5	4.06	13.3	36.7	87.1	30.0	32.8	196
Upper Limit	6.7	4.56	15.1	42.7	97.1	36.0	38.8	286
Technicon H1 & H3	5.8	4.33	13.9	38.9	89.8	32.1	35.7	230
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.2	4.08	13.0	35.9	84.8	29.1	32.7	185
Upper Limit	6.4	4.58	14.8	41.9	94.8	35.1	38.7	275

Parameter	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	PLT
Unit	x10 ³ mm ³	x10 ⁶ mm ³	g/dl	%	fl	pg	g/dl	x10 ³ mm ³
Instrument								
Mindray (BC- 6 Series)	6.3	4.36	14.4	43.0	98.6	33.0	33.5	241
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.7	4.11	13.5	40.0	93.6	30.0	30.5	196
Upper Limit	6.9	4.61	15.3	46.0	103.6	36.0	36.5	286
Mindray (BC- 5 Series)	6.2	4.39	14.0	41.5	94.5	31.9	33.7	238
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.6	4.14	13.1	38.5	89.5	28.9	30.7	193
Upper Limit	6.8	4.64	14.9	44.5	99.5	34.9	36.7	283
Mindray (BC-2800, 3000, 3600)	5.9	4.40	13.9	39.6	90.0	31.6	35.1	243
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.3	4.15	13.0	36.6	85.0	28.6	32.1	198
Upper Limit	6.5	4.65	14.8	42.6	95.0	34.6	38.1	288
Erma	5.9	4.38	14.0	39.6	90.4	32.0	35.4	247
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.3	4.13	13.1	36.6	85.4	29.0	32.4	202
Upper Limit	6.5	4.63	14.9	42.6	95.4	35.0	38.4	292
Orphee - Mythic 18	6.0	4.33	14.1	40.0	92.4	32.6	35.3	239
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.4	4.08	13.2	37.0	87.4	29.6	32.3	194
Upper Limit	6.6	4.58	15.0	43.0	97.4	35.6	38.3	284
Excell 22 & 18	6.2	4.38	14.3	39.6	90.4	32.7	36.1	244
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±45
Lower Limit	5.6	4.13	13.4	36.6	85.4	29.7	33.1	199
Upper Limit	6.8	4.63	15.2	42.6	95.4	35.7	39.1	289