

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)	6.4	4.53	14.0	41.2	91.0	31.0	34.0	249
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	5.8	4.28	13.1	38.2	86.0	28.0	31.0	203
Upper Limit	7.0	4.78	14.9	44.2	96.0	34.0	37.0	295
Medonic & M – Series	6.4	4.55	13.9	41.1	90.3	30.6	33.8	251
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	5.8	4.30	13.0	38.1	85.3	27.6	30.8	205
Upper Limit	7.0	4.80	14.8	44.1	95.3	33.6	36.8	297
Swelab & α – Series	6.2	4.58	13.9	40.5	88.4	30.4	34.3	242
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	5.6	4.33	13.0	37.5	83.4	27.4	31.3	196
Upper Limit	6.8	4.83	14.8	43.5	93.4	33.4	37.3	288
MS9	6.3	4.54	14.0	40.7	89.7	30.8	34.4	246
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	5.7	4.29	13.1	37.7	84.7	27.8	31.4	200
Upper Limit	6.9	4.79	14.9	43.7	94.7	33.8	37.4	292
Diatron (Abacus)	6.4	4.57	14.1	41.3	90.4	30.9	34.1	250
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	5.8	4.32	13.2	38.3	85.4	27.9	31.1	204
Upper Limit	7.0	4.82	15.0	44.3	95.4	33.9	37.1	296
Hycel	6.0	4.34	13.3	39.1	90.1	30.7	34.0	253
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	5.4	4.09	12.4	36.1	85.1	27.7	31.0	207
Upper Limit	6.6	4.59	14.2	42.1	95.1	33.7	37.0	299

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Unit	x10 ³ mm ³	x10 ⁶ mm ³	g/dl	%	fl	pg	g/dl	x10 ³ mm ³
Instrument								
Sysmex X Series	6.8	4.33	14.1	41.3	95.4	32.6	34.1	251
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	6.2	4.08	13.2	38.3	90.4	29.6	31.1	205
Upper Limit	7.4	4.58	15.0	44.3	100.4	35.6	37.1	297
Sysmex KX21-K4500 -XP100 & 300	6.2	4.56	13.9	40.8	89.5	30.5	34.1	261
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	5.6	4.31	13.0	37.8	84.5	27.5	31.1	215
Upper Limit	6.8	4.81	14.8	43.8	94.5	33.5	37.1	307
Sysmex K1000 – K800	6.3	4.54	13.9	40.9	90.1	30.6	34.0	248
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	5.7	4.29	13.0	37.9	85.1	27.6	31.0	202
Upper Limit	6.9	4.79	14.8	43.9	95.1	33.6	37.0	294
Nihon Kohden (Celltac)	6.2	4.48	14.1	42.3	94.4	31.5	33.3	230
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	5.6	4.23	13.2	39.3	89.4	28.5	30.3	184
Upper Limit	6.8	4.73	15.0	45.3	99.4	34.5	36.3	276
Abbott (Cell Dyn)	6.6	4.54	14.0	41.5	91.4	30.8	33.7	240
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	6.0	4.29	13.1	38.5	86.4	27.8	30.7	194
Upper Limit	7.2	4.79	14.9	44.5	96.4	33.8	36.7	286
Convergent (3 & 5 Part diff)	6.7	4.45	14.0	41.3	92.8	31.5	33.9	253
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	6.1	4.20	13.1	38.3	87.8	28.5	30.9	207
Upper Limit	7.3	4.70	14.9	44.3	97.8	34.5	36.9	299

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	6.4	4.63	14.1	42.2	91.1	30.5	33.4	239
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	5.8	4.38	13.2	39.2	86.1	27.5	30.4	193
Upper Limit	7.0	4.88	15.0	45.2	96.1	33.5	36.4	285
ABX Pentra	6.7	4.48	14.0	41.4	92.4	31.3	33.8	251
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	6.1	4.23	13.1	38.4	87.4	28.3	30.8	205
Upper Limit	7.3	4.73	14.9	44.4	97.4	34.3	36.8	297
Coulter - Helena	6.0	4.35	13.4	39.5	90.8	30.8	33.9	228
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	5.4	4.10	12.5	36.5	85.8	27.8	30.9	182
Upper Limit	6.6	4.60	14.3	42.5	95.8	33.8	36.9	274
Diagon (D-Cell 60 & 5D)	6.3	4.55	13.9	41.1	90.3	30.6	33.8	241
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	5.7	4.30	13.0	38.1	85.3	27.6	30.8	195
Upper Limit	6.9	4.80	14.8	44.1	95.3	33.6	36.8	287
Hiperion(B-Cell 60)	6.6	4.46	14.0	41.5	93.1	31.4	33.7	252
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	6.0	4.21	13.1	38.5	88.1	28.4	30.7	206
Upper Limit	7.2	4.71	14.9	44.5	98.1	34.4	36.7	298
Technicon H1 & H3	6.1	4.43	13.8	40.4	91.2	31.2	34.2	239
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	5.5	4.18	12.9	37.4	86.2	28.2	31.2	193
Upper Limit	6.7	4.68	14.7	43.4	96.2	34.2	37.2	285

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)	6.8	4.58	14.2	44.1	96.3	31.0	32.2	251
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	6.2	4.33	13.3	41.1	91.3	28.0	29.2	205
Upper Limit	7.4	4.83	15.1	47.1	101.3	34.0	35.2	297
Mindray (BC- 5 Series)	6.6	4.55	14.0	42.6	93.6	30.8	32.9	255
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	6.0	4.30	13.1	39.6	88.6	27.8	29.9	209
Upper Limit	7.2	4.80	14.9	45.6	98.6	33.8	35.9	301
Mindray (BC-2800, 3000, 3600)	6.3	4.56	13.9	41.3	90.6	30.5	33.7	258
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	5.7	4.31	13.0	38.3	85.6	27.5	30.7	212
Upper Limit	6.9	4.81	14.8	44.3	95.6	33.5	36.7	304
Erma	6.4	4.55	13.9	40.6	89.2	30.6	34.2	243
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	5.8	4.30	13.0	37.6	84.2	27.6	31.2	197
Upper Limit	7.0	4.80	14.8	43.6	94.2	33.6	37.2	289
Orphee - Mythic 18	6.4	4.54	13.9	40.7	89.7	30.6	34.2	247
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	5.8	4.29	13.0	37.7	84.7	27.6	31.2	201
Upper Limit	7.0	4.79	14.8	43.7	94.7	33.6	37.2	293
Excell 22 & 18	6.7	4.46	14.1	41.7	93.5	31.6	33.8	256
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46
Lower Limit	6.1	4.21	13.2	38.7	88.5	28.6	30.8	210
Upper Limit	7.3	4.71	15.0	44.7	98.5	34.6	36.8	302