

Parameter		WBC	RBC	HGB	HCT	MCV	MCH	MCHC	PLT
Instrument \ Unit		x10 ³ mm ³	x10 ⁶ mm ³	g/dl	%	fl	pg	g/dl	x10 ³ mm ³
Sysmex X Series		6.7	4.61	14.5	43.4	94.1	31.5	33.4	241
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		6.0	4.31	13.5	39.4	86.1	28.5	30.4	195
Upper Limit		7.4	4.91	15.5	47.4	102.1	34.5	36.4	287
Sysmex KX21-K4500-XP100 & 300		6.4	4.79	13.5	42.5	88.7	28.2	31.8	258
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.7	4.49	12.5	38.5	80.7	25.2	28.8	212
Upper Limit		7.1	5.09	14.5	46.5	96.7	31.2	34.8	304
Sysmex K1000 – K800		6.3	4.70	13.6	42.3	90.0	28.9	32.2	261
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.6	4.40	12.6	38.3	82.0	25.9	29.2	215
Upper Limit		7.0	5.00	14.6	46.3	98.0	31.9	35.2	307
Nihon Kohden (Celltac)		6.1	4.67	14.3	42.0	89.9	30.6	34.0	210
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.4	4.37	13.3	38.0	81.9	27.6	31.0	164
Upper Limit		6.8	4.97	15.3	46.0	97.9	33.6	37.0	256
Abbott (Cell Dyn)		6.3	4.70	14.1	42.7	90.9	30.0	33.0	237
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.6	4.40	13.1	38.7	82.9	27.0	30.0	191
Upper Limit		7.0	5.00	15.1	46.7	98.9	33.0	36.0	283
Convergent(3&5 Part diff)		6.6	4.65	14.3	42.8	92.0	30.8	33.4	244
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.9	4.35	13.3	38.8	84.0	27.8	30.4	198
Upper Limit		7.3	4.95	15.3	46.8	100.0	33.8	36.4	290
Mindray (BC - 6 Series)		6.5	4.60	14.4	45.0	97.8	31.3	32.0	245
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.8	4.30	13.4	41.0	89.8	28.3	29.0	199
Upper Limit		7.2	4.90	15.4	49.0	105.8	34.3	35.0	291
Mindray (BC - 5 Series)		6.4	4.75	14.1	44.6	93.9	29.7	31.6	243
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.7	4.45	13.1	40.6	85.9	26.7	28.6	197
Upper Limit		7.1	5.05	15.1	48.6	101.9	32.7	34.6	289
Mindray (BC-2800, 3000, 3600)		6.3	4.73	13.6	42.5	89.9	28.8	32.0	248
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.6	4.43	12.6	38.5	81.9	25.8	29.0	202
Upper Limit		7.0	5.03	14.6	46.5	97.9	31.8	35.0	294
Erma		6.3	4.65	14.0	42.3	91.0	30.1	33.1	246
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.6	4.35	13.0	38.3	83.0	27.1	30.1	200
Upper Limit		7.0	4.95	15.0	46.3	99.0	33.1	36.1	292
Orphee - Mythic 18		6.2	4.68	13.7	42.7	91.2	29.3	32.1	251
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.5	4.38	12.7	38.7	83.2	26.3	29.1	205
Upper Limit		6.9	4.98	14.7	46.7	99.2	32.3	35.1	297
Excell 22 & 18		6.5	4.65	14.3	43.2	92.9	30.8	33.1	238
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.8	4.35	13.3	39.2	84.9	27.8	30.1	192
Upper Limit		7.2	4.95	15.3	47.2	100.9	33.8	36.1	284
Dirui (3 & 5 part diff)		6.3	4.70	13.5	42.3	90.0	28.7	31.9	258
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.6	4.40	12.5	38.3	82.0	25.7	28.9	212
Upper Limit		7.0	5.00	14.5	46.3	98.0	31.7	34.9	304
Medonic & M – Series		6.4	4.75	13.5	42.4	89.3	28.4	31.8	246
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.7	4.45	12.5	38.4	81.3	25.4	28.8	200
Upper Limit		7.1	5.05	14.5	46.4	97.3	31.4	34.8	292
Swelab & α – Series		6.3	4.77	13.6	42.6	89.3	28.5	31.9	247
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.6	4.47	12.6	38.6	81.3	25.5	28.9	201
Upper Limit		7.0	5.07	14.6	46.6	97.3	31.5	34.9	293
MS9		6.2	4.73	13.6	42.2	89.2	28.8	32.2	249
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.5	4.43	12.6	38.2	81.2	25.8	29.2	203
Upper Limit		6.9	5.03	14.6	46.2	97.2	31.8	35.2	295
Diatron (Abacus)		6.2	4.74	13.5	42.1	88.8	28.5	32.1	258
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.5	4.44	12.5	38.1	80.8	25.5	29.1	212
Upper Limit		6.9	5.04	14.5	46.1	96.8	31.5	35.1	304
Hycel		6.8	4.70	14.6	42.0	89.4	31.1	34.8	259
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		6.1	4.40	13.6	38.0	81.4	28.1	31.8	213
Upper Limit		7.5	5.00	15.6	46.0	97.4	34.1	37.8	305
ABX Micros		6.2	4.71	13.6	42.5	90.2	28.9	32.0	254
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.5	4.41	12.6	38.5	82.2	25.9	29.0	208
Upper Limit		6.9	5.01	14.6	46.5	98.2	31.9	35.0	300
ABX Pentra		6.5	4.65	14.3	43.2	92.9	30.8	33.1	239
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.8	4.35	13.3	39.2	84.9	27.8	30.1	193
Upper Limit		7.2	4.95	15.3	47.2	100.0	33.8	36.1	285
Coulter - Helena		6.0	4.51	13.2	41.5	92.0	29.3	31.8	219
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.3	4.21	12.2	37.5	84.0	26.3	28.8	173
Upper Limit		6.7	4.81	14.2	45.5	100.0	32.3	34.8	265
Diagon (D - Cell 60 & 5D)		6.3	4.69	13.5	42.2	90.0	28.8	32.0	256
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.6	4.39	12.5	38.2	82.0	25.8	29.0	210
Upper Limit		7.0	4.99	14.5	46.2	98.0	31.8	35.0	302
Hiperion(B - Cell 60)		6.5	4.63	14.3	42.8	92.4	30.9	33.4	247
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.8	4.33	13.3	38.8	84.4	27.9	30.4	201
Upper Limit		7.2	4.93	15.3	46.8	100.4	33.9	36.4	293
Technicon H1 & H3		6.0	4.59	14.5	42.0	91.5	31.6	34.5	231
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±46
Lower Limit		5.3	4.29	13.5	38.0	83.5	28.6	31.5	185
Upper Limit		6.7	4.89	15.5	46.0	99.5	34.6	37.5	277