

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		6.2	4.43	14.7	42.3	95.5	33.2	34.8	219
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.5	4.13	13.7	38.3	87.5	30.2	31.8	179
Upper Limit		6.9	4.73	15.7	46.3	103.5	36.2	37.8	259
Sysmex KX21-K4500-XP100 & 300		5.9	4.58	13.9	42.0	91.7	30.3	33.1	222
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.2	4.28	12.9	38.0	83.7	27.3	30.1	182
Upper Limit		6.6	4.88	14.9	46.0	99.7	36.3	36.1	262
Sysmex K1000 – K800		5.09	4.51	14.1	41.8	92.7	31.3	33.7	211
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.2	4.21	13.1	37.8	84.7	28.3	30.7	171
Upper Limit		6.6	4.81	15.1	45.8	100.7	34.3	36.7	251
Nihon Kohden (Celltac)		5.9	4.46	13.3	42.0	94.2	29.8	31.7	190
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.2	4.16	12.3	38.0	86.2	26.8	28.7	150
Upper Limit		6.6	4.76	14.3	46.0	102.2	32.8	34.7	230
Abbott (Cell Dyn)		6.0	4.50	14.0	41.8	92.9	31.1	33.5	209
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.3	4.20	13.0	37.8	84.9	28.1	30.5	169
Upper Limit		6.7	4.80	15.0	45.8	100.9	34.1	36.5	249
Convergent(3&5 Part diff)		6.1	4.44	14.5	42.4	95.5	32.7	34.2	221
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.4	4.14	13.5	38.4	87.5	29.7	31.2	181
Upper Limit		6.8	4.74	15.5	46.4	103.5	35.7	37.2	261
Mindray (BC - 6 Series)		6.2	4.47	14.6	44.4	99.3	32.7	32.9	216
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.5	4.17	13.6	40.4	91.3	29.7	29.9	176
Upper Limit		6.9	4.74	15.6	48.4	107.3	35.7	35.9	256
Mindray (BC - 5 Series)		5.9	4.55	14.4	43.7	96.0	31.6	33.0	220
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.2	4.25	13.4	39.7	88.0	28.6	30.0	180
Upper Limit		6.6	4.85	15.4	47.7	104.0	34.6	36.0	260
Mindray (BC-2800, 3000, 3600)		5.8	4.51	14.1	42.1	93.3	31.3	33.5	217
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.1	4.21	13.1	38.1	85.3	28.3	30.5	177
Upper Limit		6.5	4.81	15.1	46.1	101.3	34.3	36.5	257
Erma		5.8	4.53	13.9	41.7	92.1	30.7	33.3	216
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.1	4.23	12.9	37.7	84.1	27.7	30.3	176
Upper Limit		6.5	4.83	14.9	44.7	100.1	33.7	36.3	256
Orphee - Mythic 18		5.8	4.49	13.9	41.8	93.1	31.0	33.3	221
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.1	4.19	12.9	37.8	85.1	28.0	30.3	181
Upper Limit		6.5	4.79	14.9	44.8	101.1	34.0	36.3	261
Excell 22 & 18		6.1	4.46	14.5	42.1	94.4	32.5	34.4	217
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.4	4.16	13.5	38.1	86.4	29.5	31.4	177
Upper Limit		6.8	4.76	15.5	46.1	102.4	35.5	37.4	257
Dirui (3 & 5 part diff)		5.8	4.48	14.1	42.3	94.4	31.5	33.3	218
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.1	4.18	13.1	38.3	86.4	28.5	30.3	178
Upper Limit		6.5	4.78	15.1	46.3	102.4	34.5	36.6	258
Medonic & M – Series		5.9	4.52	14.0	42.1	93.1	31.0	33.3	217
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.2	4.22	13.0	38.1	85.1	28.0	30.3	177
Upper Limit		6.6	4.82	15.0	46.1	101.1	34.0	36.3	257
Swelab & α – Series		6.0	4.53	13.9	41.9	92.5	30.7	33.2	226
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.3	4.23	12.9	37.9	84.5	27.7	30.2	186
Upper Limit		6.7	4.83	14.9	45.9	100.5	33.7	36.2	266
MS9		5.9	4.47	14.0	41.8	93.5	31.3	33.5	219
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.2	4.17	13.0	37.8	85.5	28.3	30.5	179
Upper Limit		6.6	4.74	15.0	45.8	101.5	34.3	36.5	259
Diatron (Abacus)		5.9	4.55	14.2	42.0	92.3	31.2	33.8	220
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.2	4.25	13.2	38.0	84.3	28.2	30.8	180
Upper Limit		6.6	4.85	15.2	46.0	100.3	34.2	36.8	260
Hycel		6.4	4.51	14.4	41.8	92.7	31.9	34.4	209
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.7	4.21	13.4	37.8	84.7	28.9	31.4	169
Upper Limit		7.1	4.81	15.4	45.8	100.7	34.9	37.4	249
ABX Micros		6.0	4.49	14.0	41.9	93.3	31.2	33.4	219
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.3	4.19	13.0	37.9	85.3	28.2	30.4	179
Upper Limit		6.7	4.79	15.0	45.9	101.3	34.9	36.4	259
ABX Pentra		6.1	4.43	14.3	42.1	95.0	32.3	34.0	216
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.4	4.13	13.3	38.1	87.0	29.3	31.0	176
Upper Limit		6.8	4.73	15.3	46.1	103.0	35.3	37.0	256
Coulter - Helena		5.7	4.39	13.7	41.0	93.4	31.2	33.4	197
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.0	4.09	12.7	37.0	85.4	28.2	30.4	157
Upper Limit		6.4	4.69	14.7	45.0	101.4	34.2	36.4	237
Diagon (D - Cell 60 & 5D)		5.9	4.51	13.9	41.7	92.5	30.8	33.3	220
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.2	4.21	12.9	37.7	84.5	27.8	30.3	180
Upper Limit		6.6	4.81	14.9	45.7	100.5	33.8	36.3	260
Hiperion(B - Cell 60)		5.9	4.41	14.1	42.1	95.5	32.0	33.5	217
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.2	4.11	13.1	38.1	87.5	29.0	30.5	177
Upper Limit		6.6	4.71	15.1	46.1	103.5	35.0	36.5	257
Technicon H1 & H3		5.7	4.40	14.2	41.7	94.8	32.3	34.1	206
Limit Range		±0.7	±0.3	±1.0	±4.0	±8.0	±3.0	±3.0	±40
Lower Limit		5.0	4.10	13.2	37.7	86.8	29.3	31.1	166
Upper Limit		5.4	4.70	15.2	45.7	102.8	35.3	37.1	246