

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
Dirui (3 & 5 part diff)	6.4	4.19	12.2	35.8	85.4	29.1	34.1	252	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	5.8	3.94	11.3	32.8	80.4	26.1	31.1	206	
Upper Limit	7.0	4.44	13.1	38.8	90.4	32.1	37.1	298	
Medonic & M – Series	6.4	4.17	12.4	36.3	87.1	29.7	34.2	243	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	5.8	3.92	11.5	33.3	82.1	26.7	31.2	197	
Upper Limit	7.0	4.42	13.3	39.3	92.1	32.7	37.2	289	
Swelab & α – Series	6.3	4.18	12.3	36.0	86.1	29.4	34.2	250	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	5.7	3.93	11.4	33.0	81.1	26.4	31.2	204	
Upper Limit	6.9	4.43	13.2	39.0	91.1	32.4	37.2	296	
MS9	6.4	4.21	12.4	35.8	85.0	29.5	34.6	246	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	5.8	3.96	11.5	32.8	80.0	26.5	31.6	200	
Upper Limit	7.0	4.46	13.3	38.8	90.0	32.5	37.6	292	
Diatron (Abacus)	6.3	4.14	12.3	36.3	87.7	29.7	33.9	257	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	5.7	3.89	11.4	33.3	82.7	26.7	30.9	211	
Upper Limit	6.9	4.39	13.2	39.3	92.7	32.7	36.9	303	
Hycel	6.2	3.99	12.0	35.2	88.2	30.1	34.1	243	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	5.6	3.74	11.1	32.2	83.2	27.1	31.1	197	
Upper Limit	6.8	4.24	12.9	38.2	93.2	33.1	37.1	289	

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	6.6	4.01	12.8	36.1	90.0	31.9	35.5	249	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	6.0	3.76	11.9	33.1	85.0	28.9	32.5	203	
Upper Limit	7.2	4.26	13.7	39.1	95.0	34.9	38.5	295	
Sysmex KX21-K4500 -XP100 & 300	6.3	4.26	12.3	36.5	85.7	28.9	33.7	255	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	5.7	4.01	11.4	33.5	80.7	25.9	30.7	209	
Upper Limit	6.9	4.51	13.2	39.5	90.7	31.9	36.7	301	
Sysmex K1000 – K800	6.4	4.18	12.2	36.1	86.4	29.2	33.8	249	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	5.8	3.93	11.3	33.1	81.4	26.2	30.8	203	
Upper Limit	7.0	4.43	13.1	39.1	91.4	32.2	36.8	295	
Nihon Kohden (Celltac)	6.4	4.19	12.8	37.3	89.0	30.6	34.3	223	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	5.8	3.94	11.9	34.3	84.0	27.6	31.3	177	
Upper Limit	7.0	4.44	13.7	40.3	94.0	33.6	37.3	269	
Abbott (Cell Dyn)	6.5	4.21	12.6	36.1	85.8	29.9	34.9	239	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	5.9	3.96	11.7	33.1	80.8	26.9	31.9	193	
Upper Limit	7.1	4.46	13.5	39.1	90.8	32.9	37.9	285	
Convergent (3 & 5 Part diff)	6.6	4.16	12.5	36.3	87.3	30.1	34.4	251	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	6.0	3.91	11.6	33.3	82.3	27.1	31.4	205	
Upper Limit	7.2	4.41	13.4	39.3	92.3	33.1	37.4	297	

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
ABX Micros	6.7	4.25	12.6	37.3	87.8	29.7	33.8	266	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	6.1	4.00	11.7	34.3	82.8	26.7	30.8	220	
Upper Limit	7.3	4.50	13.5	40.3	92.8	32.7	36.8	312	
ABX Pentra	6.5	4.16	12.4	37.0	88.9	29.8	33.5	246	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	5.9	3.91	11.5	34.0	83.9	26.8	30.5	200	
Upper Limit	7.1	4.41	13.3	40.0	93.9	32.8	36.5	292	
Coulter - Helena	6.1	4.03	12.0	35.2	87.3	29.8	34.1	231	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	5.5	3.78	11.1	32.2	82.3	26.8	31.1	185	
Upper Limit	6.7	4.28	12.9	38.2	92.3	32.8	37.1	277	
Diagon (D-Cell 60 & 5D)	6.4	4.20	12.3	36.0	85.7	29.3	34.2	250	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	5.8	3.95	11.4	33.0	80.7	26.3	31.2	204	
Upper Limit	7.0	4.45	13.2	39.0	90.7	32.3	37.2	296	
Hiperion(B-Cell 60)	6.5	4.16	12.5	36.7	88.2	30.1	34.1	246	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	5.9	3.91	11.6	33.7	83.2	27.1	31.1	200	
Upper Limit	7.1	4.41	13.4	39.7	93.2	33.1	37.1	292	
Technicon H1 & H3	6.1	4.00	12.1	35.3	88.3	30.3	34.3	240	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	5.5	3.75	11.2	32.3	83.3	27.3	31.3	194	
Upper Limit	6.7	4.25	13.0	38.3	93.3	33.3	37.3	286	

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
Mindray (BC- 6 Series)	6.7	4.14	12.6	38.2	92.3	30.4	33.0	246	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	6.1	3.89	11.7	35.2	87.3	27.4	30.0	200	
Upper Limit	7.3	4.39	13.5	41.2	97.3	33.4	36.0	292	
Mindray (BC- 5 Series)	6.5	4.11	12.3	37.0	90.0	29.9	33.2	251	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	5.9	3.86	11.4	34.0	85.0	26.9	30.2	205	
Upper Limit	7.1	4.36	13.2	40.0	95.0	32.9	36.2	297	
Mindray (BC-2800, 3000, 3600)	6.4	4.17	12.3	36.9	88.5	29.5	33.3	260	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	5.8	3.92	11.4	33.9	83.5	26.5	30.3	214	
Upper Limit	7.0	4.42	13.2	39.9	93.5	32.5	36.3	306	
Erma	6.3	4.22	12.4	36.1	85.5	29.4	34.4	249	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	5.7	3.97	11.5	33.1	80.5	26.4	31.4	203	
Upper Limit	6.9	4.47	13.3	39.1	90.5	32.4	37.4	295	
Orphee - Mythic 18	6.3	4.19	12.3	35.9	85.7	29.4	34.3	253	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	5.7	3.94	11.4	32.9	80.7	26.4	31.3	207	
Upper Limit	6.9	4.44	13.2	38.9	90.7	32.4	37.3	299	
Excell 22 & 18	6.5	4.17	12.5	36.1	86.6	30.0	34.6	247	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±46	
Lower Limit	5.9	3.92	11.6	33.1	81.6	27.0	31.6	201	
Upper Limit	7.1	4.42	13.4	39.1	91.6	33.0	37.6	293	