

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)	7.2	4.55	13.5	40.6	89.2	29.7	33.3	241	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.6	4.30	12.6	37.6	84.2	26.7	30.3	197	
Upper Limit	7.8	4.80	14.4	43.6	94.2	32.7	36.3	285	
Medonic & M – Series	7.3	4.57	13.5	41.0	89.7	29.5	32.9	239	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.7	4.32	12.6	38.0	84.7	26.5	29.9	195	
Upper Limit	7.9	4.82	14.4	44.0	94.7	32.5	35.9	283	
Swelab & α – Series	7.2	4.50	13.4	40.7	90.4	29.8	32.9	233	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.6	4.25	12.5	37.7	85.4	26.8	29.9	189	
Upper Limit	7.8	4.75	14.3	43.7	95.4	32.8	35.9	277	
MS9	7.3	4.53	13.3	40.3	89.0	29.4	33.0	238	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.7	4.28	12.4	37.3	84.0	26.4	30.0	194	
Upper Limit	7.9	4.78	14.2	43.3	94.0	32.4	36.0	282	
Diatron (Abacus)	7.2	4.51	13.3	40.0	88.7	29.5	33.3	230	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.6	4.26	12.4	37.0	83.7	26.5	30.3	186	
Upper Limit	7.8	4.76	14.2	43.0	93.7	32.5	36.3	274	
Hycel	7.4	4.40	13.7	39.0	88.6	31.1	35.1	230	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.8	4.15	12.8	36.0	83.6	28.1	32.1	186	
Upper Limit	8.0	4.65	14.6	42.0	93.6	34.1	38.1	274	

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	7.6	4.48	13.8	41.8	93.3	30.8	33.0	238	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	7.0	4.23	12.9	38.8	88.3	27.8	30.0	194	
Upper Limit	8.2	4.73	14.7	44.8	98.3	33.8	36.0	282	
Sysmex KX21-K4500 -XP100 & 300	7.1	4.55	13.2	40.1	88.1	29.0	32.9	243	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.5	4.30	12.3	37.1	83.1	26.0	29.9	199	
Upper Limit	7.7	4.80	14.1	43.1	93.1	32.0	35.9	287	
Sysmex K1000 – K800	7.2	4.51	13.3	40.3	89.4	29.5	33.0	240	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.6	4.26	12.4	37.3	84.4	26.5	30.0	196	
Upper Limit	7.8	4.76	14.2	43.3	94.4	32.5	36.0	284	
Nihon Kohden (Celltac)	7.3	4.58	13.8	41.5	90.6	30.1	33.3	220	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.7	4.33	12.9	38.5	85.6	27.1	30.3	176	
Upper Limit	7.9	4.83	14.7	44.5	95.6	33.1	36.3	264	
Abbott (Cell Dyn)	7.3	4.51	13.4	40.8	90.5	29.7	32.8	233	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.7	4.26	12.5	37.8	85.5	26.7	29.8	189	
Upper Limit	7.9	4.76	14.3	43.8	95.5	32.7	35.8	277	
Convergent (3 & 5 Part diff)	7.5	4.53	13.6	41.2	91.0	30.0	33.0	241	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.9	4.28	12.7	38.2	86.0	27.0	30.0	197	
Upper Limit	8.1	4.78	14.5	44.2	96.0	33.0	36.0	285	

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	7.2	4.59	13.5	41.0	89.3	29.4	32.9	238	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.6	4.34	12.6	38.0	84.3	26.4	29.9	194	
Upper Limit	7.8	4.84	14.4	44.0	94.3	32.4	35.9	282	
ABX Pentra	7.5	4.49	13.6	41.1	91.5	30.3	33.1	233	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.9	4.24	12.7	38.1	86.5	27.3	30.1	189	
Upper Limit	8.1	4.74	14.5	44.1	96.5	33.3	36.1	277	
Coulter - Helena	7.0	4.31	13.1	39.6	91.9	30.4	33.1	226	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.4	4.06	12.2	36.6	86.9	27.4	30.1	182	
Upper Limit	7.6	4.56	14.0	42.6	96.9	33.4	36.1	270	
Diagon (D-Cell 60 & 5D)	7.2	4.51	13.4	40.2	89.1	29.7	33.3	239	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.6	4.26	12.5	37.2	84.1	26.7	30.3	195	
Upper Limit	7.8	4.76	14.3	43.2	94.1	32.7	36.3	283	
Hiperion(B-Cell 60)	7.4	4.49	13.4	41.0	91.3	29.8	32.7	238	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.8	4.24	12.5	38.0	86.3	26.8	29.7	194	
Upper Limit	8.0	4.74	14.3	44.0	96.3	32.8	35.7	282	
Technicon H1 & H3	7.0	4.40	13.1	40.0	90.9	29.8	32.8	224	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.4	4.15	12.2	37.0	85.9	26.8	29.8	180	
Upper Limit	7.6	4.65	14.0	43.0	95.9	32.8	35.8	268	

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)	7.5	4.51	13.5	43.4	96.2	29.9	31.1	240	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.9	4.26	12.6	40.4	91.2	26.9	28.1	196	
Upper Limit	8.1	4.76	14.4	46.4	101.2	32.9	34.1	284	
Mindray (BC- 5 Series)	7.5	4.50	13.5	42.3	94.0	30.0	31.9	247	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.9	4.25	12.6	39.3	89.0	27.0	28.9	203	
Upper Limit	8.1	4.75	14.4	45.3	99.0	33.0	34.9	291	
Mindray (BC-2800, 3000, 3600)	7.4	4.53	13.4	41.6	91.8	29.6	32.2	238	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.8	4.28	12.5	38.6	86.8	26.6	29.2	194	
Upper Limit	8.0	4.78	14.3	44.6	96.8	32.6	35.2	282	
Erma	7.2	4.50	13.3	40.5	90.0	29.6	32.8	241	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.6	4.25	12.4	37.5	85.0	26.6	29.8	197	
Upper Limit	7.8	4.75	14.2	43.5	95.0	32.6	35.8	285	
Orphee - Mythic 18	7.2	4.53	13.4	40.3	89.0	29.6	33.3	238	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.6	4.28	12.5	37.3	84.0	26.6	30.3	194	
Upper Limit	7.8	4.78	14.3	43.3	94.0	32.6	36.3	282	
Excell 22 & 18	7.4	4.49	13.6	41.0	91.3	30.3	33.2	233	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±44	
Lower Limit	6.8	4.24	12.7	38.0	86.3	27.3	30.2	189	
Upper Limit	8.0	4.74	14.5	44.0	96.3	33.3	36.2	277	