

Parameter	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	
Instrument	Unit	x10 <sup>3</sup> mm <sup>3</sup>	x10 <sup>6</sup> mm <sup>3</sup>	g/dl	%	fl	pg	g/dl	x10 <sup>3</sup> mm <sup>3</sup>
<b>Dirui (3 &amp; 5 part diff)</b>	<b>6.6</b>	<b>3.98</b>	<b>12.6</b>	<b>36.0</b>	<b>90.4</b>	<b>31.7</b>	<b>35.0</b>	<b>269</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	6.0	3.73	11.7	33.0	85.4	28.7	32.0	221	
Upper Limit	7.2	4.23	13.5	39.0	95.4	34.7	38.0	317	
<b>Medonic &amp; M – Series</b>	<b>6.5</b>	<b>3.93</b>	<b>12.9</b>	<b>36.4</b>	<b>92.6</b>	<b>32.8</b>	<b>35.4</b>	<b>270</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	5.9	3.68	12.0	33.4	87.6	29.8	32.4	222	
Upper Limit	7.1	4.18	13.8	39.4	97.6	35.8	38.4	318	
<b>Swelab &amp; α – Series</b>	<b>6.5</b>	<b>4.01</b>	<b>12.7</b>	<b>37.1</b>	<b>92.5</b>	<b>31.7</b>	<b>34.2</b>	<b>260</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	5.9	3.76	11.8	34.1	87.5	28.7	31.2	212	
Upper Limit	7.1	4.26	13.6	40.1	97.5	34.7	37.2	308	
<b>MS9</b>	<b>6.4</b>	<b>4.05</b>	<b>12.7</b>	<b>37.3</b>	<b>92.1</b>	<b>31.6</b>	<b>34.1</b>	<b>263</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	5.8	3.80	11.8	34.3	87.1	28.6	31.1	215	
Upper Limit	7.0	4.30	13.6	40.3	97.1	34.6	37.1	311	
<b>Diatron (Abacus)</b>	<b>6.5</b>	<b>4.03</b>	<b>12.8</b>	<b>36.4</b>	<b>90.3</b>	<b>31.8</b>	<b>35.2</b>	<b>260</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	5.9	3.78	11.9	33.4	85.3	28.8	32.2	212	
Upper Limit	7.1	4.28	13.7	39.4	95.3	34.8	38.2	308	
<b>Hycel</b>	<b>6.8</b>	<b>3.95</b>	<b>13.0</b>	<b>36.5</b>	<b>92.4</b>	<b>32.9</b>	<b>35.6</b>	<b>253</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	6.2	3.70	12.1	33.5	87.4	29.9	32.6	205	
Upper Limit	7.4	4.20	13.9	39.5	97.4	35.9	38.6	301	

Parameter	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	
Instrument	Unit	x10 <sup>3</sup> mm <sup>3</sup>	x10 <sup>6</sup> mm <sup>3</sup>	g/dl	%	fl	pg	g/dl	x10 <sup>3</sup> mm <sup>3</sup>
<b>Sysmex X Series</b>	<b>6.7</b>	<b>3.93</b>	<b>13.2</b>	<b>37.3</b>	<b>94.9</b>	<b>33.6</b>	<b>35.4</b>	<b>271</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	6.1	3.68	12.3	34.3	89.9	30.6	32.4	223	
Upper Limit	7.3	4.18	14.1	40.3	99.9	36.6	38.4	319	
<b>Sysmex KX21-K4500 -XP100 &amp; 300</b>	<b>6.4</b>	<b>4.10</b>	<b>12.8</b>	<b>36.0</b>	<b>87.8</b>	<b>31.2</b>	<b>35.6</b>	<b>265</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	5.8	3.85	11.9	33.0	82.8	28.2	32.6	217	
Upper Limit	7.0	4.35	13.7	39.0	92.8	34.2	38.6	313	
<b>Sysmex K1000 – K800</b>	<b>6.4</b>	<b>4.03</b>	<b>12.8</b>	<b>36.1</b>	<b>89.6</b>	<b>31.8</b>	<b>35.5</b>	<b>273</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	5.8	3.78	11.9	33.1	84.6	28.8	32.5	225	
Upper Limit	7.0	4.28	13.7	39.1	94.6	34.8	38.5	321	
<b>Nihon Kohden (Celltac)</b>	<b>6.6</b>	<b>4.05</b>	<b>13.1</b>	<b>38.0</b>	<b>93.8</b>	<b>32.4</b>	<b>34.5</b>	<b>230</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	6.0	3.80	12.2	35.0	88.8	29.4	31.5	182	
Upper Limit	7.2	4.30	14.0	41.0	98.8	35.4	37.5	278	
<b>Abbott (Cell Dyn)</b>	<b>6.5</b>	<b>4.00</b>	<b>12.9</b>	<b>37.0</b>	<b>92.5</b>	<b>32.3</b>	<b>34.9</b>	<b>256</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	5.9	3.75	12.0	34.0	87.5	29.3	31.9	208	
Upper Limit	7.1	4.25	13.8	40.0	97.5	35.3	37.9	304	
<b>Convergent (3 &amp; 5 Part diff)</b>	<b>6.7</b>	<b>3.96</b>	<b>12.9</b>	<b>37.2</b>	<b>93.9</b>	<b>32.6</b>	<b>34.7</b>	<b>267</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	6.1	3.71	12.0	34.2	88.9	29.6	31.7	219	
Upper Limit	7.3	4.21	13.8	40.2	98.9	35.6	37.7	315	

Parameter	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	
Instrument	Unit	x10 <sup>3</sup> mm <sup>3</sup>	x10 <sup>6</sup> mm <sup>3</sup>	g/dl	%	fl	pg	g/dl	x10 <sup>3</sup> mm <sup>3</sup>
<b>ABX Micros</b>	<b>6.7</b>	<b>4.00</b>	<b>12.8</b>	<b>35.6</b>	<b>89.0</b>	<b>32.0</b>	<b>36.0</b>	<b>260</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	6.1	3.75	11.9	32.6	84.0	29.0	33.0	212	
Upper Limit	7.3	4.25	13.7	38.6	94.0	35.0	39.0	308	
<b>ABX Pentra</b>	<b>6.8</b>	<b>4.00</b>	<b>12.9</b>	<b>36.3</b>	<b>90.8</b>	<b>32.3</b>	<b>35.5</b>	<b>268</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	6.2	3.75	12.0	33.3	85.8	29.3	32.5	220	
Upper Limit	7.4	4.25	13.8	39.3	95.8	35.3	38.5	316	
<b>Coulter - Helena</b>	<b>6.3</b>	<b>3.88</b>	<b>12.5</b>	<b>35.0</b>	<b>90.2</b>	<b>32.2</b>	<b>35.7</b>	<b>241</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	5.7	3.63	11.6	32.0	85.2	29.2	32.7	193	
Upper Limit	6.9	4.13	13.4	38.0	95.2	35.2	38.7	289	
<b>Diagon (D-Cell 60 &amp; 5D)</b>	<b>6.4</b>	<b>4.01</b>	<b>12.7</b>	<b>36.4</b>	<b>90.8</b>	<b>31.7</b>	<b>34.9</b>	<b>259</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	5.8	3.76	11.8	33.4	85.8	28.7	31.9	211	
Upper Limit	7.0	4.26	13.6	39.4	95.8	34.7	37.9	307	
<b>Hiperion(B-Cell 60)</b>	<b>6.6</b>	<b>3.96</b>	<b>12.8</b>	<b>37.3</b>	<b>94.2</b>	<b>32.3</b>	<b>34.3</b>	<b>261</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	6.0	3.71	11.9	34.3	89.2	29.3	31.3	213	
Upper Limit	7.2	4.21	13.7	40.3	99.2	35.3	37.3	309	
<b>Technicon H1 &amp; H3</b>	<b>6.3</b>	<b>3.90</b>	<b>12.5</b>	<b>35.8</b>	<b>91.8</b>	<b>32.1</b>	<b>34.9</b>	<b>247</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	5.7	3.65	11.6	32.8	86.8	29.1	31.9	199	
Upper Limit	6.9	4.15	13.4	38.8	96.8	35.1	37.9	295	

Parameter	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	
Instrument	Unit	x10 <sup>3</sup> mm <sup>3</sup>	x10 <sup>6</sup> mm <sup>3</sup>	g/dl	%	fl	pg	g/dl	x10 <sup>3</sup> mm <sup>3</sup>
<b>Mindray (BC- 6 Series )</b>	<b>6.8</b>	<b>3.90</b>	<b>13.2</b>	<b>39.5</b>	<b>101.3</b>	<b>33.9</b>	<b>33.4</b>	<b>270</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	6.2	3.65	12.3	36.5	96.3	30.9	30.4	222	
Upper Limit	7.4	4.15	14.1	42.5	106.3	36.9	36.4	318	
<b>Mindray (BC- 5 Series )</b>	<b>6.4</b>	<b>4.03</b>	<b>13.1</b>	<b>38.0</b>	<b>94.3</b>	<b>32.5</b>	<b>34.5</b>	<b>277</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	5.8	3.78	12.2	35.0	89.3	29.5	31.5	229	
Upper Limit	7.0	4.28	14.0	41.0	99.3	35.5	37.5	325	
<b>Mindray (BC-2800, 3000, 3600)</b>	<b>6.5</b>	<b>4.00</b>	<b>12.8</b>	<b>37.0</b>	<b>92.5</b>	<b>32.0</b>	<b>34.6</b>	<b>267</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	5.9	3.75	11.9	34.0	87.5	29.0	31.6	219	
Upper Limit	7.1	4.25	13.7	40.0	97.5	35.0	37.6	315	
<b>Erma</b>	<b>6.5</b>	<b>4.03</b>	<b>12.7</b>	<b>36.3</b>	<b>90.1</b>	<b>31.5</b>	<b>35.0</b>	<b>261</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	5.9	3.78	11.8	33.3	85.1	28.5	32.0	213	
Upper Limit	7.1	4.28	13.6	39.3	95.1	34.5	38.0	309	
<b>Orphee - Mythic 18</b>	<b>6.4</b>	<b>4.00</b>	<b>12.8</b>	<b>37.0</b>	<b>92.5</b>	<b>32.0</b>	<b>34.6</b>	<b>263</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	5.8	3.75	11.9	34.0	87.5	29.0	31.6	215	
Upper Limit	7.0	4.25	13.7	40.0	97.5	35.0	37.6	311	
<b>Excell 22 &amp; 18</b>	<b>6.8</b>	<b>4.07</b>	<b>13.0</b>	<b>37.3</b>	<b>91.7</b>	<b>31.9</b>	<b>34.9</b>	<b>277</b>	
Limit Range	±0.6	±0.25	±0.9	±3.0	±5.0	±3.0	±3.0	±48	
Lower Limit	6.2	3.82	12.1	34.3	86.7	28.9	31.9	229	
Upper Limit	7.4	4.32	13.9	40.3	96.7	34.9	37.9	325	