


REF : 3734-3735-3736-3752-3753-3754-3820-3821-3822

LOT : 193

 : 2010, November 19th

Coulter Counter Models (with III Diff. option; for AcT see separate table)
MELET MS9 NOTE: Please refer to next page for Erma Values

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.1	0.4	7.8	0.8	20.8	2.0
RBC 10 ¹² /l	2.28	0.12	4.54	0.15	5.60	0.18
Hb g/dl	5.8	0.4	13.4	0.5	17.8	0.6
Hb mmol/l	3.6	0.3	8.3	0.3	11.0	0.4
Hct %	17.3	1.5	39.0	2.4	51.5	3.0
Hct l/l	0.173	0.015	0.390	0.024	0.515	0.030
MCV fl	76	4	86	4	92	4
MCH pg	25.4	2.4	29.5	2.8	31.8	2.8
MCH fmol	1.58	0.14	1.83	0.11	1.97	0.11
MCHC g/dl	33.5	3.0	34.3	3.0	34.5	3.0
MCHC mmol/l	20.8	1.8	21.3	1.8	21.4	1.8
RDW %	16.5	3.0	14.9	3.0	13.8	3.0
Plts 10 ⁹ /l	65	15	262	30	512	55
MPV fl	7.6	2.0	7.7	1.5	7.9	1.5
PDW %	17.6	2.5	16.7	2.5	16.6	2.5
LYMP %	58.3	6.0	33.4	4.0	15.8	4.0
MONO %	8.8	4.0	6.6	4.0	3.9	3.0
GRAN %	32.9	5.0	60.0	5.0	80.3	5.0
LYMP #	1.2	0.3	2.6	0.4	3.3	0.8
MONO #	0.2	0.2	0.5	0.5	0.8	0.8
GRAN #	0.7	0.2	4.7	0.6	16.7	1.2

ABX Roche: Micros; Bayer: Advia 60

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.2	0.4	7.3	0.8	19.3	2.0
RBC 10 ¹² /l	2.28	0.12	4.50	0.15	5.59	0.18
Hb g/dl	5.5	0.4	13.4	0.5	17.7	0.6
Hb mmol/l	3.4	0.2	8.3	0.3	11.0	0.4
Hct %	16.1	1.5	37.6	2.4	50.9	3.0
Hct l/l	0.161	0.015	0.376	0.024	0.509	0.030
MCV fl	71	4	84	4	91	4
MCH pg	24.1	2.4	29.7	2.8	31.7	2.8
MCH fmol	1.49	0.14	1.85	0.11	1.97	0.11
MCHC g/dl	34.1	3.0	35.6	3.0	34.8	3.0
MCHC mmol/l	21.2	1.8	22.1	1.8	21.6	1.8
RDW %	15.1	3.0	15.3	3.0	14.2	3.0
Plts 10 ⁹ /l	71	15	259	30	479	55
MPV fl	7.3	2.0	7.3	1.5	7.4	1.5
LYMP %	50.4	5.0	29.6	4.0	14.4	4.0
MONO %	8.4	4.0	6.5	4.0	3.1	3.0
GRAN %	41.2	5.0	63.8	5.0	82.5	5.0
LYMP #	1.1	0.3	2.2	0.4	2.8	0.8
MONO #	0.2	0.1	0.5	0.3	0.6	0.6
GRAN #	0.9	0.2	4.7	0.6	15.9	1.2

Abbott Cell-Dyn: 1300, 1500, 1600, 1700, 1800 series

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.3	0.4	7.5	0.8	18.7	2.0
RBC 10 ¹² /l	2.31	0.12	4.50	0.15	5.49	0.18
Hb g/dl	5.7	0.4	13.2	0.5	17.6	0.6
Hb mmol/l	3.5	0.2	8.2	0.3	10.9	0.4
Hct %	17.6	1.5	39.2	2.4	51.1	3.0
Hct l/l	0.176	0.015	0.392	0.024	0.511	0.030
MCV fl	76	4	87	4	93	4
MCH pg	24.7	2.4	29.3	2.8	32.1	2.8
MCH fmol	1.53	0.14	1.82	0.11	1.99	0.11
MCHC g/dl	32.5	3.0	33.7	3.0	34.5	3.0
MCHC mmol/l	20.1	1.8	20.9	1.8	21.4	1.8
Plts 10 ⁹ /l	61	15	257	30	499	55
MPV fl	8.5	2	8.2	1.5	8.1	1.5
LYMP %	58.3	5.0	33.4	4.0	15.8	4.0
MID %	8.8	4.0	6.6	4.0	3.9	3.0
GRAN %	32.9	4.0	60.0	5.0	80.3	5.0
LYMP #	1.3	0.3	2.5	0.4	3.0	0.8
MID #	0.2	0.1	0.5	0.3	0.7	0.6
GRAN #	0.8	0.2	4.5	0.6	15.0	1.2

Coulter Counter: AcT diff, AcT diff 2

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.1	0.4	7.8	0.8	20.7	2.0
RBC 10 ¹² /l	2.28	0.12	4.54	0.15	5.60	0.18
Hb g/dl	5.8	0.4	13.4	0.5	17.8	0.6
Hb mmol/l	3.6	0.3	8.3	0.3	11.0	0.4
Hct %	17.3	1.5	39.5	2.4	52.1	3.0
Hct l/l	0.173	0.015	0.395	0.024	0.521	0.030
MCV fl	76	4	87	4	93	4
MCH pg	25.4	2.4	29.5	2.8	31.8	2.8
MCH fmol	1.58	0.10	1.83	0.11	1.97	0.12
MCHC g/dl	33.5	3.0	33.9	3.0	34.2	3.0
MCHC mmol/l	20.8	1.8	21.1	1.8	21.2	1.8
RDW %	16.5	3.0	14.9	3.0	13.8	3.0
Plts 10 ⁹ /l	65	15	260	30	510	55
MPV fl	7.6	2.0	7.7	1.5	7.9	1.5
LYMP %	60.0	6.0	33.0	4.0	14.5	4.0
MONO %	6.0	4.0	5.0	4.0	3.0	3.0
GRAN %	34.0	5.0	62.0	5.0	82.5	5.0
LYMP #	1.3	0.3	2.6	0.4	3.0	0.8
MONO #	0.1	0.1	0.4	0.3	0.6	0.6
GRAN #	0.7	0.2	4.8	0.6	17.1	1.2

Coulter Counter: AcT 8, AcT 10

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
LYMP %	46.5	6.0	24.5	4.0	9.5	4.0
LYMP #	1.0	0.3	1.9	0.4	2.0	0.8

Please refer to Table AcT Diff for CBC parameters

Nihon Kohden: Celltac and MEK series (not for 5-part diff)

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.1	0.4	7.5	0.8	19.1	2.0
RBC 10 ¹² /l	2.26	0.12	4.50	0.15	5.52	0.18
Hb g/dl	5.7	0.4	13.7	0.5	19.0	0.6
Hb mmol/l	3.5	0.2	8.5	0.3	11.8	0.4
Hct %	17.7	1.5	39.3	2.4	53.4	3.0
Hct l/l	0.177	0.015	0.393	0.024	0.534	0.030
MCV fl	78	4	87	4	97	4
MCH pg	25.2	2.4	30.4	2.8	34.5	2.8
MCH fmol	1.57	0.14	1.89	0.11	2.14	0.11
MCHC g/dl	32.3	3.0	34.8	3.0	35.6	3.0
MCHC mmol/l	20.1	1.8	21.6	1.8	22.1	1.8
RDW %	15.4	3.0	14.4	3.0	13.1	3.0
Plts 10 ⁹ /l	66	15	267	30	500	55
MPV fl	7.6	2	6.7	1.5	6.5	1.5
LYMP %	62.1	5.0	35.5	4.0	19.0	4.0
MONO %	9.6	4.0	7.1	4.0	3.7	3.0
GRAN %	28.3	4.0	57.4	5.0	77.2	5.0
LYMP #	1.3	0.3	2.6	0.4	3.6	0.8
MONO #	0.2	0.1	0.5	0.3	0.7	0.6
GRAN #	0.6	0.2	4.3	0.6	14.7	1.2

Danam / Drew Excel18 = MWI BT2100, Drew D3

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.2	0.4	7.9	0.8	21.0	2.0
RBC 10 ¹² /l	2.39	0.12	4.46	0.15	5.48	0.18
Hb g/dl	5.8	0.4	13.3	0.5	17.9	0.6
Hb mmol/l	3.6	0.2	8.3	0.3	11.1	0.4
Hct %	18.1	1.5	38.8	2.4	51.1	3.0
Hct l/l	0.181	0.015	0.388	0.024	0.511	0.030
MCV fl	76	4	87	4	93	4
MCH pg	24.4	2.4	29.8	2.8	32.6	2.8
MCH fmol	1.51	0.14	1.85	0.11	2.02	0.11
MCHC g/dl	32.2	3.0	34.3	3.0	34.9	3.0
MCHC mmol/l	20.0	1.8	21.3	1.8	21.7	1.8
RDW %	12.5	3.0	11.2	3.0	11.0	3.0
Plts 10 ⁹ /l	75	15	277	30	498	55
MPV fl	6.3	2	6.9	1.5	7.1	1.5
LYMP %	51.0	5.0	26.9	4.0	11.8	4.0
MONO %	9.1	4.0	6.1	4.0	3.0	3.0
GRAN %	39.8	4.0	67.1	5.0	85.2	5.0
LYMP #	1.1	0.3	2.1	0.4	2.5	0.8
MONO #	0.2	0.1	0.5	0.3	0.6	0.6
GRAN #	0.9	0.2	5.3	0.6	17.9	1.2

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: 2010, November 19th

Diatron: Abacus, Arcus **

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.1	0.4	7.5	0.8	20.4	2.0
RBC 10 ¹² /l	2.33	0.12	4.68	0.15	5.69	0.20
Hb g/dl	5.9	0.4	13.6	0.5	18.5	0.6
Hb mmol/l	3.7	0.3	8.5	0.4	11.5	0.4
Hct %	18.9	1.5	42.9	2.4	55.7	3.0
Hct l/l	0.189	0.015	0.429	0.024	0.557	0.030
MCV fl	81	4	92	4	98	4
MCH pg	25.4	2.4	29.2	2.8	32.5	2.8
MCH fmol	1.57	0.14	1.81	0.11	2.02	0.11
MCHC g/dl	31.3	3.0	31.8	3.0	33.1	3.0
MCHC mmol/l	19.4	1.8	19.8	1.8	20.6	1.8
RDW-SD fl	49.2	3.0	51.1	3.0	49.9	3.0
RDW-CV %	15.5	3.0	14.2	3.0	13.0	3.0
Plts 10 ⁹ /l	65	15	262	30	512	55
MPV fl	7.4	1.5	7.7	1.5	7.8	1.5
PCT %	0.05	0.02	0.20	0.03	0.40	0.04
PCT ml/l	0.48	0.2	2.02	0.3	4.01	0.4
PDW-SD fl	10.3	2.5	10.3	2.5	10.6	3.0
PDW-CV %	38.8	2.5	37.6	2.5	38.0	3.0
LYMP %	55.4	5.0	30.0	4.0	12.6	4.0
MONO %	8.9	4.0	8.8	4.0	5.0	4.0
GRAN %	35.7	4.0	61.2	5.0	82.4	5.0
LYMP #	1.2	0.3	2.2	0.4	2.6	0.8
MONO #	0.2	0.1	0.7	0.3	1.0	0.6
GRAN #	0.7	0.2	4.6	0.6	16.8	1.2

** JT Baker reagents CyMet Abacus + Diluid Abacus = Use Reagent Code 2 in service settings!!!

AVL (Contraves): AVL - 816

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
Please refer to Table Coulter Counters for CBC parameters						
LYMP %	63.0	5.0	39.8	4.0	18.8	4.0
MONO %	8.1	4.0	7.5	4.0	5.0	3.0
GRAN %	28.9	4.0	52.7	5.0	76.2	5.0
LYMP #	1.3	0.3	3.1	0.4	3.9	0.8
MONO #	0.2	0.1	0.6	0.3	1.0	0.6
GRAN #	0.6	0.2	4.1	0.6	15.9	1.2

AVL (Contraves): AVL - 818

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
Please refer to Table Coulter Counters for CBC parameters						
LYMP %	70.8	5.0	41.9	4.0	19.8	4.0
MONO %	7.1	4.0	7.0	4.0	4.8	3.0
GRAN %	22.1	4.0	51.1	5.0	75.5	5.0
LYMP #	1.5	0.3	3.3	0.4	4.1	0.8
MONO #	0.1	0.1	0.5	0.2	1.0	0.4
GRAN #	0.5	0.2	4.0	0.6	15.7	1.2

ERMA PCE-170, ERMAX-18, PCE-210

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.1	0.4	8.0	0.8	21.7	2.0
RBC 10 ¹² /l	2.39	0.12	4.55	0.15	5.45	0.18
Hb g/dl	5.6	0.4	12.9	0.5	17.1	0.6
Hb mmol/l	3.5	0.2	8.0	0.3	10.6	0.4
Hct %	18.9	1.5	41.0	2.4	54.5	3.0
Hct l/l	0.189	0.015	0.410	0.024	0.545	0.030
MCV fl	79	4	90	4	100	4
MCH pg	23.4	2.4	28.4	2.8	31.4	2.8
MCH fmol	1.45	0.14	1.76	0.11	1.95	0.11
MCHC g/dl	29.7	3.0	31.5	3.0	31.4	3.0
MCHC mmol/l	18.4	1.8	19.6	1.8	19.5	1.8
RDW %	19.5	3.0	16.4	3.0	15.2	3.0
Plts 10 ⁹ /l	75	15	276	30	538	55
MPV fl	8.4	2.0	8.1	1.5	8.4	1.5
PDW %	16.4	2.5	15.3	2.5	14.2	2.5
LYMP %	50.3	5.0	35.2	4.0	27.4	4.0
MONO %	2.4	2.4	2.9	2.9	0.9	0.9
GRAN %	47.3	4.0	61.9	5.0	71.7	5.0
LYMP #	1.1	0.3	2.8	0.4	5.9	0.8
MONO #	0.1	0.1	0.2	0.2	0.2	0.2
GRAN #	1.0	0.2	5.0	0.6	15.6	1.2

Orphee MYTHIC 18

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.1	0.4	7.8	0.8	20.8	2.0
RBC 10 ¹² /l	2.28	0.12	4.54	0.15	5.60	0.18
Hb g/dl	5.8	0.4	13.4	0.5	17.8	0.6
Hb mmol/l	3.6	0.2	8.3	0.3	11.0	0.4
Hct %	18.7	1.5	41.3	2.4	53.8	3.0
Hct l/l	0.187	0.015	0.413	0.024	0.538	0.030
MCV fl	82	4	91	4	96	4
MCH pg	25.4	2.4	29.5	2.8	31.8	2.8
MCH fmol	1.58	0.14	1.83	0.11	1.97	0.11
MCHC g/dl	31.0	3.0	32.4	3.0	33.1	3.0
MCHC mmol/l	19.3	1.8	20.1	1.8	20.5	1.8
RDW %	16.5	3.0	14.9	3.0	14.8	3.0
Plts 10 ⁹ /l	65	15	256	30	500	55
MPV fl	8.3	2.0	8.1	1.5	8.1	1.5
LYMP %	58.6	5.0	32.2	4.0	15.4	4.0
MONO %	4.2	4.2	3.5	3.5	1.9	1.9
GRAN %	37.2	4.0	64.3	5.0	82.7	5.0
LYMP #	1.2	0.3	2.5	0.4	3.2	0.8
MONO #	0.1	0.1	0.3	0.3	0.4	0.4
GRAN #	0.8	0.2	5.0	0.6	17.2	1.2



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The devices as mentioned in this insert comply with the
In Vitro Diagnostic Medical Devices Directive 98/79/EC.

2°C



8°C



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: 2010, November 19th

Mindray BC-3200, BC-3000CT (new models)

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.1	0.5	7.9	1.0	21.1	2.5
RBC 10 ¹² /l	2.37	0.18	4.70	0.24	5.82	0.30
Hb g/dl	5.9	0.4	13.7	0.6	18.4	0.8
Hb mmol/l	3.7	0.3	8.5	0.4	11.4	0.5
Hct %	18.0	1.5	41.6	2.0	54.7	2.4
Hct l/l	0.180	0.015	0.416	0.020	0.547	0.024
MCV fl	76.0	5.0	88.5	5.0	94.0	5.0
MCH pg	24.9	2.5	29.1	2.5	31.6	2.5
MCH fmol	1.54	0.16	1.81	0.16	1.96	0.16
MCHC g/dl	32.8	3.0	32.9	3.0	33.6	3.0
MCHC mmol/l	20.3	1.8	20.4	1.8	20.9	1.8
RDW-CV	13.4	3.0	12.2	3.0	12.2	3.0
RDW-SD	35.5	6.0	38.0	6.0	40.5	8.0
PtIs 10 ⁹ /l	75	20	265	40	515	60
MPV fl	8.3	3.0	8.1	3.0	7.7	3.0
LYMP %	55.0	12.0	30.0	8.0	13.0	6.0
MONO %	11.0	10.0	9.0	7.0	6.8	5.0
GRAN %	34.0	9.0	61.0	8.0	80.2	8.0
LYMP #	1.2	0.4	2.4	0.8	2.7	1.4
MONO #	0.2	0.2	0.7	0.6	1.4	1.2
GRAN #	0.7	0.3	4.8	0.9	16.9	1.9

Mindray BC-2800, BC-2600 (software version lower than 2.0)

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	1.9	0.5	8.0	1.0	22.0	2.5
RBC 10 ¹² /l	2.23	0.18	4.50	0.24	5.62	0.30
Hb g/dl	6.0	0.4	13.6	0.6	18.5	0.8
Hb mmol/l	3.7	0.3	8.4	0.4	11.5	0.5
Hct %	17.4	1.5	39.8	2.0	52.5	2.4
Hct l/l	0.174	0.015	0.398	0.020	0.525	0.024
MCV fl	78.0	5.0	88.5	5.0	93.5	5.0
MCH pg	26.9	2.5	30.2	2.5	32.9	2.5
MCH fmol	1.67	0.16	1.88	0.16	2.04	0.16
MCHC g/dl	34.5	3.0	34.1	3.0	35.2	3.0
MCHC mmol/l	21.4	1.8	21.2	1.8	21.8	1.8
RDW-CV	14.5	3.0	14.0	3.0	14.0	3.0
RDW-SD	37.0	6.0	41.3	6.0	43.5	8.0
PtIs 10 ⁹ /l	65	20	265	40	560	60
MPV fl	9.2	3.0	9.0	3.0	9.0	3.0
PCT %	0.06	0.05	0.24	0.10	0.50	0.20
PCT ml/l	0.60	0.50	2.39	1.00	5.04	2.00
PDW fl	16.0	3.0	16.1	3.0	16.0	3.0
LYMP %	59.0	11.0	31.5	8.0	13.0	8.0
MONO %	10.0	8.0	9.5	8.0	8.0	7.0
GRAN %	31.0	8.0	59.0	9.0	79.0	9.0
LYMP #	1.1	0.4	2.5	0.8	2.9	2.0
MONO #	0.2	0.2	0.8	0.7	1.8	1.7
GRAN #	0.6	0.3	4.7	0.9	17.4	2.2

Mindray BC-2800, BC-2600 (software version 2.0 or higher)

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.0	0.5	7.9	1.0	21.4	2.5
RBC 10 ¹² /l	2.28	0.18	4.54	0.24	5.72	0.30
Hb g/dl	6.0	0.4	13.7	0.6	18.7	0.8
Hb mmol/l	3.7	0.3	8.5	0.4	11.6	0.5
Hct %	17.0	1.5	39.3	2.0	53.2	2.4
Hct l/l	0.170	0.015	0.393	0.020	0.532	0.024
MCV fl	74.5	5.0	86.5	5.0	93.0	5.0
MCH pg	26.3	2.5	30.2	2.5	32.7	2.5
MCH fmol	1.63	0.16	1.87	0.16	2.03	0.16
MCHC g/dl	35.3	3.0	34.9	3.0	35.2	3.0
MCHC mmol/l	21.9	1.8	21.7	1.8	21.8	1.8
RDW-CV	16.0	3.0	15.0	3.0	14.5	3.0
RDW-SD	40.5	6.0	43.5	6.0	45.0	8.0
PtIs 10 ⁹ /l	60	20	250	40	515	60
MPV fl	9.2	3.0	9.3	3.0	9.3	3.0
PCT %	0.06	0.05	0.23	0.10	0.48	0.20
PCT ml/l	0.55	0.50	2.33	1.00	4.79	2.00
PDW fl	14.8	3.0	14.7	3.0	14.8	3.0
LYMP %	58.5	10.0	32.0	8.0	15.0	7.0
MONO %	9.0	8.0	7.0	6.0	4.5	4.0
GRAN %	32.5	9.0	61.0	9.0	80.5	8.0
LYMP #	1.2	0.4	2.5	0.8	3.2	1.8
MONO #	0.2	0.2	0.6	0.6	1.0	1.0
GRAN #	0.7	0.3	4.8	0.9	17.2	1.9

Mindray BC-3000 (new models s/n A75xxx) , BC-2900, BC-1800

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.1	0.5	7.9	1.0	21.0	2.5
RBC 10 ¹² /l	2.36	0.18	4.61	0.24	5.75	0.30
Hb g/dl	5.9	0.4	13.7	0.6	18.5	0.8
Hb mmol/l	3.7	0.3	8.5	0.4	11.5	0.5
Hct %	18.2	1.5	41.0	2.0	54.3	2.4
Hct l/l	0.182	0.015	0.410	0.020	0.543	0.024
MCV fl	77.0	5.0	89.0	5.0	94.5	5.0
MCH pg	25.0	2.5	29.7	2.5	32.2	2.5
MCH fmol	1.55	0.16	1.84	0.16	2.00	0.16
MCHC g/dl	32.5	3.0	33.4	3.0	34.0	3.0
MCHC mmol/l	20.1	1.8	20.7	1.8	21.1	1.8
RDW-CV	14.2	3.0	13.2	3.0	12.8	3.0
RDW-SD	38.0	6.0	41.0	6.0	43.0	8.0
PtIs 10 ⁹ /l	75	20	260	40	500	60
MPV fl	8.7	3.0	8.6	3.0	8.6	3.0
PCT %	0.07	0.05	0.22	0.10	0.43	0.20
PCT ml/l	0.65	0.50	2.24	1.00	4.30	2.00
PDW fl	16.1	3.0	15.8	3.0	15.6	3.0
LYMP %	57.0	12.0	31.5	8.0	14.5	7.0
MONO %	10.0	9.0	9.0	7.0	5.5	5.0
GRAN %	33.0	9.0	59.5	8.0	80.0	8.0
LYMP #	1.2	0.4	2.5	0.8	3.0	1.6
MONO #	0.2	0.2	0.7	0.6	1.2	1.2
GRAN #	0.7	0.3	4.7	0.9	16.8	1.9

Mindray: BC-3000 with Cymet Mindray CN-free (old models s/n A59xxx)

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.1	0.5	7.8	1.0	19.6	2.5
RBC 10 ¹² /l	2.13	0.18	4.37	0.24	5.54	0.30
Hb g/dl **	6.0	0.4	14.3	0.6	19.2	0.8
Hb mmol/l **	3.7	0.3	8.9	0.4	11.9	0.5
Hct %	17.5	1.5	40.2	2.0	53.7	2.4
Hct l/l	0.175	0.015	0.402	0.020	0.537	0.024
MCV fl	82.0	5.0	92.0	5.0	97.0	5.0
MCH pg **	28.2	2.5	32.7	2.5	34.7	2.5
MCH fmol **	1.75	0.16	2.03	0.16	2.15	0.16
MCHC g/dl **	34.4	3.0	35.6	3.0	35.7	3.0
MCHC mmol/l **	21.3	1.8	22.1	1.8	22.2	1.8
RDW-CV	15.3	3.0	14.2	3.0	13.6	3.0
RDW-SD	44.8	6.0	46.7	6.0	47.1	6.0
PtIs 10 ⁹ /l	72	20	244	40	468	60
MPV fl	8.3	3.0	8.5	3.0	8.4	3.0
LYMP %	58.3	12.0	30.4	8.0	13.3	6.0
MONO %	8.8	10.0	6.6	7.0	3.9	3.9
GRAN %	32.9	9.0	63.0	8.0	82.8	8.0
LYMP #	1.2	0.4	2.4	0.8	2.6	1.4
MONO #	0.2	0.2	0.5	0.5	0.8	0.8
GRAN #	0.7	0.3	4.9	0.9	16.2	1.9

**** Mindray: BC-3000 with Cymet Mindray (with CN) (old series s/n A59xxx)**

Hb g/dl	5.7	0.4	13.3	0.6	17.9	0.8
Hb mmol/l	3.5	0.3	8.3	0.4	11.1	0.5
MCH pg	26.8	2.5	30.4	2.5	32.3	2.5
MCH fmol	1.66	0.16	1.89	0.16	2.01	0.16
MCHC g/dl	32.6	3.0	33.1	3.0	33.3	3.0
MCHC mmol/l	20.3	1.8	20.5	1.8	20.7	1.8

Mindray BC-2300, BC-2100

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.0	0.5	7.7	1.0	21.2	2.5
RBC 10 ¹² /l	2.27	0.18	4.46	0.24	5.55	0.30
Hb g/dl	6.0	0.4	13.5	0.6	18.1	0.8
Hb mmol/l	3.7	0.3	8.4	0.4	11.2	0.5
Hct %	16.5	1.5	38.4	2.0	51.1	2.4
Hct l/l	0.165	0.015	0.384	0.020	0.511	0.024
MCV fl	72.5	5.0	86.0	5.0	92.0	5.0
MCH pg	26.4	2.5	30.3	2.5	32.6	2.5
MCH fmol	1.64	0.16	1.88	0.16	2.02	0.16
MCHC g/dl	36.5	3.0	35.2	3.0	35.4	3.0
MCHC mmol/l	22.6	1.8	21.8	1.8	22.0	1.8
RDW-CV	13.8	3.0	13.0	3.0	12.5	3.0
RDW-SD	27.3	6.0	30.0	6.0	30.5	8.0
PtIs 10 ⁹ /l	65	20	240	40	470	60
MPV fl	10.8	3.0	11.0	3.0	10.6	3.0
PCT %	0.07	0.05	0.26	0.10	0.50	0.20
PCT ml/l	0.70	0.50	2.64	1.00	4.98	2.00
PDW fl	14.8	3.0	14.8	3.0	14.7	3.0
LYMP %	56.5	10.0	31.5	8.0	14.0	8.0
MONO %	9.5	9.0	9.0	8.0	8.0	7.0
GRAN %	34.0	9.0	59.5	10.0	78.0	9.0
LYMP #	1.1	0.4	2.4	0.8	3.0	1.9
MONO #	0.2	0.2	0.7	0.7	1.7	1.6
GRAN #	0.7	0.3	4.6	0.9	16.5	2.0