



REF : 3433-3434-3435-3466-3467-3468-3502-3503-3504

LOT : 207

: 2014-05-19

Coulter Counter Models (with III Diff. option; for AcT see separate table)

MELET MSS9 NOTE : Please refer to next page for Erma Values

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.2	0.4	7.6	0.8	20.0	2.0
RBC 10 ¹² /l	2.35	0.15	4.57	0.20	5.64	0.24
Hb g/dl	5.9	0.4	13.5	0.5	17.9	0.6
Hb mmol/l	3.7	0.3	8.4	0.4	11.1	0.5
Hct %	17.7	1.5	39.2	2.4	52.0	3.0
Hct l/l	0.177	0.015	0.392	0.024	0.520	0.030
MCV fl	75.1	4.0	85.9	4.0	92.1	4.0
MCH pg	25.2	2.4	29.5	2.8	31.8	2.8
MCH fmol	1.57	0.16	1.83	0.17	1.97	0.19
MCHC g/dl	33.6	3.0	34.4	3.0	34.5	3.0
MCHC mmol/l	20.8	2.0	21.3	2.0	21.4	2.0
RDW %	16.7	3.0	16.1	3.0	15.0	3.0
PIts 10 ⁹ /l	62	20	240	35	493	60
MPV fl	8.2	2.0	8.2	2.0	8.5	2.0
PDW %	18.2	3.0	16.7	3.0	16.5	3.0
LYMP %	61.7	6.0	33.9	4.0	16.2	4.0
MONO %	9.8	4.0	8.4	6.8	4.5	3.0
GRAN %	28.5	5.0	57.7	5.0	79.3	5.0
LYMP #	1.4	0.2	2.6	0.4	3.2	0.9
MONO #	0.2	0.2	0.6	0.5	0.9	0.7
GRAN #	0.6	0.2	4.4	0.4	15.9	1.1

ABX Roche: Micros 60, Micros ES 60; Bayer: Advia 60

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.3	0.4	7.2	0.8	18.5	2.0
RBC 10 ¹² /l	2.36	0.15	4.53	0.20	5.63	0.24
Hb g/dl	5.6	0.4	13.5	0.5	17.9	0.6
Hb mmol/l	3.5	0.3	8.4	0.4	11.1	0.5
Hct %	16.4	1.5	37.8	2.4	51.3	3.0
Hct l/l	0.164	0.015	0.378	0.024	0.513	0.030
MCV fl	69.7	4.0	83.5	4.0	91.1	4.0
MCH pg	23.9	2.4	29.8	2.8	31.7	2.8
MCH fmol	1.48	0.16	1.85	0.17	1.97	0.19
MCHC g/dl	34.2	3.0	35.7	3.0	34.8	3.0
MCHC mmol/l	21.2	2.0	22.1	2.0	21.6	2.0
RDW %	15.3	3.0	16.5	3.0	15.4	3.0
PIts 10 ⁹ /l	68	20	237	35	461	60
MPV fl	7.8	2.0	7.8	2.0	8.0	2.0
LYMP %	53.4	6.0	30.1	4.0	14.8	4.0
MONO %	9.3	4.0	8.3	6.8	3.5	3.0
GRAN %	37.3	5.0	61.6	5.0	81.7	5.0
LYMP #	1.2	0.2	2.2	0.4	2.7	0.9
MONO #	0.2	0.2	0.6	0.6	0.7	0.7
GRAN #	0.8	0.2	4.4	0.4	15.1	1.1

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

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.4	0.4	7.3	0.8	17.9	2.0
RBC 10 ¹² /l	2.38	0.15	4.53	0.20	5.53	0.24
Hb g/dl	5.8	0.4	13.3	0.5	17.7	0.6
Hb mmol/l	3.6	0.3	8.3	0.4	11.0	0.5
Hct %	17.9	1.5	39.4	2.4	51.5	3.0
Hct l/l	0.179	0.015	0.394	0.024	0.515	0.030
MCV fl	75.1	4.0	86.9	4.0	93.1	4.0
MCH pg	24.5	2.4	29.4	2.8	32.0	2.8
MCH fmol	1.52	0.16	1.82	0.17	1.99	0.19
MCHC g/dl	32.6	3.0	33.8	3.0	34.4	3.0
MCHC mmol/l	20.2	2.0	21.0	2.0	21.4	2.0
PIts 10 ⁹ /l	58	20	235	35	480	60
MPV fl	9.1	2.0	8.7	2.0	8.7	2.0
LYMP %	61.7	6.0	33.9	4.0	16.2	4.0
MID %	9.8	4.0	8.4	6.8	4.5	3.0
GRAN %	28.5	5.0	57.7	5.0	79.3	5.0
LYMP #	1.5	0.2	2.5	0.4	2.9	0.9
MID #	0.2	0.2	0.6	0.5	0.8	0.7
GRAN #	0.7	0.2	4.2	0.4	14.2	1.1

Orphee MYTHIC 18

Please refer now to Danam/Drew table

Coulter Counter: AcT diff, AcT diff 2

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.2	0.4	7.6	0.8	19.9	2.0
RBC 10 ¹² /l	2.35	0.15	4.57	0.20	5.64	0.24
Hb g/dl	5.9	0.4	13.5	0.5	17.9	0.6
Hb mmol/l	3.7	0.3	8.4	0.4	11.1	0.5
Hct %	17.7	1.5	39.7	2.4	52.5	3.0
Hct l/l	0.177	0.015	0.397	0.024	0.525	0.030
MCV fl	75.1	4.0	86.9	4.0	93.1	4.0
MCH pg	25.2	2.4	29.5	2.8	31.8	2.8
MCH fmol	1.57	0.16	1.83	0.17	1.97	0.19
MCHC g/dl	33.6	3.0	34.0	3.0	34.1	3.0
MCHC mmol/l	20.8	2.0	21.1	2.0	21.2	2.0
RDW %	16.7	3.0	16.1	3.0	15.0	3.0
PIts 10 ⁹ /l	62	20	238	35	491	60
MPV fl	8.2	2.0	8.2	2.0	8.5	2.0
LYMP %	63.4	6.0	33.5	4.0	14.9	4.0
MONO %	7.0	4.0	6.8	6.8	3.6	3.0
GRAN %	29.6	5.0	59.7	5.0	81.5	5.0
LYMP #	1.4	0.2	2.5	0.4	3.0	0.9
MONO #	0.2	0.2	0.5	0.5	0.7	0.7
GRAN #	0.7	0.2	4.5	0.4	16.2	1.1

Coulter Counter: AcT 8, AcT 10

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
LYMP %	49.8	6.0	25.4	4.0	10.4	4.0
LYMP #	1.0	0.2	2.0	0.4	2.1	0.8

Please refer to Table AcT Diff for CBC parameters

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

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.2	0.4	7.6	0.8	20.0	2.0
RBC 10 ¹² /l	2.33	0.15	4.57	0.20	5.56	0.24
Hb g/dl	6.0	0.4	13.8	0.5	18.6	0.6
Hb mmol/l	3.8	0.3	8.6	0.4	11.6	0.5
Hct %	17.5	1.5	39.9	2.4	53.9	3.0
Hct l/l	0.175	0.015	0.399	0.024	0.539	0.030
MCV fl	75.1	4.0	87.3	4.0	97.0	4.0
MCH pg	26.0	2.4	30.2	2.8	33.5	2.8
MCH fmol	1.61	0.16	1.87	0.17	2.08	0.19
MCHC g/dl	34.6	3.0	34.5	3.0	34.6	3.0
MCHC mmol/l	21.4	2.0	21.4	2.0	21.5	2.0
RDW %	15.6	3.0	15.5	3.0	14.2	3.0
PIts 10 ⁹ /l	63	20	244	35	513	60
MPV fl	8.2	2.0	7.2	2.0	6.9	2.0
LYMP %	65.8	8.0	35.3	4.0	19.0	4.0
MONO %	12.3	7.0	9.1	6.8	4.3	3.0
GRAN %	22.0	8.0	55.7	5.0	76.7	5.0
LYMP #	1.5	0.2	2.7	0.4	3.8	0.9
MONO #	0.3	0.3	0.7	0.5	0.9	0.7
GRAN #	0.5	0.4	4.2	0.4	15.3	1.1

Danam/Drew Excel18=MWI BT2100, D3; Orphee Mythic 18; Abbott Emerald 18

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.2	0.4	7.6	0.8	20.0	2.0
RBC 10 ¹² /l	2.35	0.15	4.57	0.20	5.64	0.24
Hb g/dl	5.7	0.4	13.5	0.5	17.9	0.6
Hb mmol/l	3.6	0.3	8.4	0.4	11.1	0.5
Hct %	17.1	1.5	39.7	2.4	52.7	3.0
Hct l/l	0.171	0.015	0.397	0.024	0.527	0.030
MCV fl	72.9	4.0	86.9	4.0	93.5	4.0
MCH pg	24.4	2.4	29.5	2.8	31.8	2.8
MCH fmol	1.51	0.16	1.83	0.17	1.97	0.19
MCHC g/dl	33.5	3.0	34.0	3.0	34.0	3.0
MCHC mmol/l	20.8	2.0	21.1	2.0	21.1	2.0
RDW %	14.7	3.0	13.5	3.0	12.5	3.0
PIts 10 ⁹ /l	62	20	223	35	457	60
MPV fl	8.2	2.0	8.2	2.0	8.5	2.0
LYMP %	62.0	6.0	32.7	4.0	15.8	4.0
MONO %	5.2	5.2	5.3	5.3	2.5	2.5
GRAN %	32.8	5.0	62.0	5.0	81.7	5.0
LYMP #	1.4	0.2	2.5	0.4	3.2	0.9
MONO #	0.1	0.1	0.4	0.4	0.5	0.5
GRAN #	0.7	0.2	4.7	0.4	16.3	1.1



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

LOT : 207

⏳ : 2014-05-19

Diatron:** Abacus, Abacus 3, Abacus Junior, Arcus; Erba: Elite 3

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.1	0.4	7.4	0.8	20.0	2.0
RBC 10 ¹² /l	2.40	0.15	4.71	0.20	5.74	0.24
Hb g/dl	6.0	0.4	13.6	0.5	18.5	0.6
Hb mmol/l	3.7	0.3	8.5	0.4	11.5	0.5
Hct %	18.7	1.5	42.8	2.4	56.3	3.0
Hct l/l	0.187	0.015	0.428	0.024	0.563	0.030
MCV fl	78.2	4.0	90.9	4.0	98.1	4.0
MCH pg	25.0	2.4	28.9	2.8	32.2	2.8
MCH fmol	1.55	0.16	1.79	0.17	2.00	0.19
MCHC g/dl	31.9	3.0	31.8	3.0	32.8	3.0
MCHC mmol/l	19.8	2.0	19.7	2.0	20.4	2.0
RDW-SD fl	58.3	5.0	63.1	5.0	64.1	5.0
RDW-CV %	16.4	3.0	15.3	3.0	14.4	3.0
Plts 10 ⁹ /l	57	20	240	35	493	60
MPV fl	8.0	2.0	8.2	2.0	8.1	2.0
PCT %	0.05	0.02	0.20	0.06	0.40	0.10
PCT ml/l	0.46	0.2	1.96	0.3	4.01	0.4
PDW-SD fl	10.7	3.0	11.0	3.0	11.0	3.0
PDW-CV %	37.4	3.0	37.6	3.0	37.7	3.0
LYMP %	57.4	6.0	31.8	4.0	12.9	4.0
MONO %	7.9	6.0	7.7	6.8	5.8	3.0
GRAN %	34.6	6.0	60.5	5.0	81.3	6.0
LYMP #	1.2	0.2	2.4	0.4	2.6	0.9
MONO #	0.3	0.3	0.6	0.6	1.2	0.7
GRAN #	0.7	0.2	4.5	0.4	16.3	1.1

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

Avantor BeneSpera™ 3 (QC-Mode)

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.2	0.4	7.6	0.8	19.9	2.0
RBC 10 ¹² /l	2.35	0.15	4.47	0.20	5.44	0.24
Hb g/dl	5.9	0.4	14.0	0.5	18.4	0.6
Hb mmol/l	3.7	0.3	8.4	0.4	11.4	0.5
Hct %	17.7	1.5	39.7	2.4	52.5	3.0
Hct l/l	0.177	0.015	0.397	0.024	0.525	0.030
MCV fl	75.1	4.0	86.9	4.0	93.1	4.0
MCH pg	25.2	2.4	31.3	2.8	33.9	2.8
MCH fmol	1.57	0.2	1.87	0.2	2.10	0.2
MCHC g/dl	33.6	3.0	35.3	3.0	35.1	3.0
MCHC mmol/l	20.8	2.0	21.1	2.0	21.8	2.0
RDW-CV %	19.6	3.0	16.1	3.0	12.9	3.0
RDW-SD fl	51.9	5.0	48.7	5.0	41.0	5.0
Plts 10 ⁹ /l	62	20	228	35	461	60
MPV fl	10.1	2.0	10.5	2.0	10.4	2.0
PCT %	0.06	0.02	0.24	0.06	0.48	0.10
PCT ml/l	0.63	0.20	2.39	0.30	4.79	0.40
PDW %	12.0	3.0	17.9	3.0	17.9	3.0
LYMP %	46.6	8.0	21.2	5.0	10.0	4.0
MONO %	22.5	6.0	15.5	5.0	6.0	6.0
GRAN %	30.9	6.0	63.3	8.0	84.0	8.0
LYMP #	1.0	0.2	1.6	0.4	2.0	0.9
MONO #	0.5	0.5	1.2	0.5	1.2	0.7
GRAN #	0.7	0.2	4.8	0.8	16.7	1.1

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

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.2	0.4	7.8	0.8	20.9	2.0
RBC 10 ¹² /l	2.46	0.15	4.58	0.20	5.49	0.24
Hb g/dl	5.7	0.4	13.0	0.5	17.2	0.6
Hb mmol/l	3.6	0.3	8.1	0.4	10.7	0.5
Hct %	19.2	1.5	41.2	2.4	55.0	3.0
Hct l/l	0.192	0.015	0.412	0.024	0.550	0.030
MCV fl	78.1	4.0	89.9	4.0	100.1	4.0
MCH pg	23.3	2.4	28.4	2.8	31.4	2.8
MCH fmol	1.45	0.16	1.76	0.17	1.95	0.19
MCHC g/dl	29.8	3.0	31.6	3.0	31.3	3.0
MCHC mmol/l	18.5	2.0	19.6	2.0	19.4	2.0
RDW %	19.7	3.0	17.6	3.0	16.4	3.0
Plts 10 ⁹ /l	72	20	254	35	519	60
MPV fl	9.0	2.0	8.6	2.0	9.0	2.0
PDW %	17.0	3.0	15.3	3.0	14.1	3.0
LYMP %	53.7	6.0	35.7	4.0	27.8	4.0
MONO %	3.4	3.4	4.7	4.7	1.5	1.5
GRAN %	42.9	5.0	59.6	5.0	70.7	5.0
LYMP #	1.2	0.2	2.8	0.4	5.8	0.9
MONO #	0.2	0.2	0.4	0.4	0.3	0.3
GRAN #	0.9	0.2	4.6	0.4	14.8	1.1

AVL (Contraves): AVL - 816

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
Please refer to Table Coulter Counters for CBC parameters						
LYMP %	66.7	6.0	40.4	4.0	19.2	4.0
MONO %	9.0	4.0	9.6	6.8	5.8	3.0
GRAN %	24.3	5.0	50.1	5.0	75.0	5.0
LYMP #	1.5	0.2	3.1	0.4	3.8	0.9
MONO #	0.2	0.2	0.7	0.7	1.2	0.7
GRAN #	0.5	0.2	3.8	0.4	15.0	1.1

AVL (Contraves): AVL - 818

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
Please refer to Table Coulter Counters for CBC parameters						
LYMP %	74.9	6.0	42.5	4.0	20.3	4.0
MONO %	7.9	4.0	8.9	6.8	5.5	3.0
GRAN %	17.2	5.0	48.6	5.0	74.2	5.0
LYMP #	1.6	0.2	3.2	0.4	4.1	0.9
MONO #	0.2	0.2	0.7	0.7	1.1	0.7
GRAN #	0.4	0.2	3.7	0.4	14.8	1.1

Inmesco HM1060; Rayto RT-7600; HTI Micros CC 20 Plus (all QC-Mode)

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.2	0.4	7.6	0.8	19.9	2.0
RBC 10 ¹² /l	2.35	0.15	4.47	0.20	5.44	0.24
Hb g/dl	5.9	0.4	14.0	0.5	18.4	0.6
Hb mmol/l	3.7	0.3	8.4	0.4	11.4	0.5
Hct %	17.7	1.5	39.7	2.4	52.5	3.0
Hct l/l	0.177	0.015	0.397	0.024	0.525	0.030
MCV fl	75.1	4.0	86.9	4.0	93.1	4.0
MCH pg	25.2	2.4	31.3	2.8	33.9	2.8
MCH fmol	1.57	0.2	1.87	0.2	2.10	0.2
MCHC g/dl	33.6	3.0	35.3	3.0	35.1	3.0
MCHC mmol/l	20.8	2.0	21.1	2.0	21.8	2.0
RDW-CV %	19.6	3.0	16.1	3.0	12.9	3.0
RDW-SD fl	51.9	5.0	48.7	5.0	41.0	5.0
Plts 10 ⁹ /l	62	20	228	35	461	60
MPV fl	10.1	2.0	10.5	2.0	10.4	2.0
PCT %	0.06	0.02	0.24	0.06	0.48	0.10
PCT ml/l	0.63	0.20	2.39	0.30	4.79	0.40
PDW %	12.0	3.0	17.9	3.0	17.9	3.0
LYMP %	46.6	8.0	21.2	5.0	10.0	4.0
MONO %	22.5	6.0	15.5	5.0	6.0	6.0
GRAN %	30.9	6.0	63.3	8.0	84.0	8.0
LYMP #	1.0	0.2	1.6	0.4	2.0	0.9
MONO #	0.5	0.5	1.2	0.5	1.2	0.7
GRAN #	0.7	0.2	4.8	0.8	16.7	1.1

Urit 2900 Plus

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	1.9	0.4	7.6	0.8	21.4	2.0
RBC 10 ¹² /l	2.35	0.15	4.69	0.20	5.84	0.24
Hb g/dl	5.8	0.4	13.2	0.5	16.9	0.6
Hb mmol/l	3.6	0.3	8.2	0.4	10.5	0.5
Hct %	17.1	1.5	37.9	2.4	48.5	3.0
Hct l/l	0.171	0.015	0.379	0.024	0.485	0.030
MCV fl	72.6	4.0	80.9	4.0	83.1	4.0
MCH pg	24.8	2.4	28.1	2.8	29.0	2.8
MCH fmol	1.54	0.2	1.75	0.2	1.80	0.2
MCHC g/dl	34.2	3.0	34.8	3.0	34.9	3.0
MCHC mmol/l	21.2	2.0	21.6	2.0	21.6	2.0
RDW-CV %	15.2	3.0	15.1	3.0	14.7	-3.0
RDW-SD fl	37.9	5.0	38.7	5.0	41.0	5.0
Plts 10 ⁹ /l	61	20	220	35	371	60
MPV fl	17.1	2.0	13.4	2.0	12.9	2.0
PCT %	0.10	0.02	0.29	0.06	0.48	0.10
PCT ml/l	1.04	0.20	2.94	0.30	4.78	0.40
PDW %	14.5	3.0	14.1	3.0	14.0	3.0
LYMP %	61.4	8.0	32.0	5.0	13.2	4.0
MONO %	6.5	6.5	6.1	6.1	3.8	3.8
GRAN %	32.1	6.0	61.9	8.0	83.0	8.0
LYMP #	1.2	0.2	2.4	0.4	2.8	0.9
MONO #	0.1	0.5	0.5	0.5	0.8	0.7
GRAN #	0.6	0.2	4.7	0.8	17.8	1.1

LOT : 207
: 2014-05-19

Mindray BC-3200, BC-3000CT

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.1	0.5	7.9	1.0	20.7	2.5
RBC 10 ¹² /l	2.42	0.18	4.70	0.24	5.83	0.30
Hb g/dl	6.0	0.4	13.8	0.6	18.8	0.8
Hb mmol/l	3.7	0.3	8.6	0.4	11.7	0.5
Hct %	18.3	1.5	41.4	2.0	55.7	2.4
Hct l/l	0.183	0.015	0.414	0.020	0.557	0.024
MCV fl	75.5	5.0	88.0	5.0	95.5	5.0
MCH pg	24.8	2.5	29.4	2.5	32.2	2.5
MCH fmol	1.54	0.16	1.82	0.16	2.00	0.16
MCHC g/dl	32.8	3.0	33.4	3.0	33.8	3.0
MCHC mmol/l	20.3	1.9	20.7	1.9	20.9	1.9
RDW-CV	14.7	3.0	14.0	3.0	13.0	3.0
RDW-SD	36.5	6.0	40.0	6.0	41.0	8.0
Plts 10 ⁹ /l	72	20	245	40	490	60
MPV fl	8.5	3.0	8.0	3.0	8.0	3.0
LYMP %	59.5	12.0	30.0	8.0	13.0	6.0
MONO %	9.5	8.0	9.0	7.0	5.5	5.0
GRAN %	31.0	9.0	61.0	8.0	81.5	8.0
LYMP #	1.2	0.3	2.4	0.7	2.7	1.3
MONO #	0.2	0.2	0.7	0.6	1.1	1.0
GRAN #	0.7	0.3	4.8	0.7	16.9	1.7

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	21.0	2.5
RBC 10 ¹² /l	2.38	0.18	4.70	0.24	5.80	0.30
Hb g/dl	6.1	0.4	14.0	0.6	19.4	0.8
Hb mmol/l	3.8	0.3	8.7	0.4	12.0	0.5
Hct %	17.9	1.5	40.9	2.0	54.8	2.4
Hct l/l	0.179	0.015	0.409	0.020	0.548	0.024
MCV fl	75.0	5.0	87.0	5.0	94.5	5.0
MCH pg	25.6	2.5	29.8	2.5	33.4	2.5
MCH fmol	1.59	0.16	1.85	0.16	2.08	0.16
MCHC g/dl	34.2	3.0	34.2	3.0	35.4	3.0
MCHC mmol/l	21.1	1.9	21.2	1.9	22.0	1.9
RDW-CV	16.5	3.0	15.8	3.0	15.0	3.0
RDW-SD	42.5	6.0	46.5	6.0	47.5	8.0
Plts 10 ⁹ /l	63	20	235	40	485	60
MPV fl	9.2	3.0	9.3	3.0	9.3	3.0
PCT %	0.05	0.05	0.21	0.10	0.44	0.20
PCT ml/l	0.50	0.50	2.10	1.00	4.40	2.00
PDW fl	14.4	3.0	14.8	3.0	14.7	3.0
LYMP %	61.5	10.0	32.0	8.0	14.5	7.0
MONO %	8.0	6.0	6.5	5.0	4.5	4.0
GRAN %	30.5	9.0	61.5	9.0	81.0	8.0
LYMP #	1.2	0.2	2.5	0.7	3.0	1.5
MONO #	0.2	0.2	0.5	0.4	0.9	0.8
GRAN #	0.6	0.2	4.9	0.8	17.0	1.7

Mindray BC-3600, BC-3300

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	1.9	0.5	7.7	1.0	20.4	2.5
RBC 10 ¹² /l	2.45	0.18	4.80	0.24	5.95	0.30
Hb g/dl	6.1	0.4	13.8	0.6	18.9	0.8
Hb mmol/l	3.8	0.3	8.6	0.4	11.7	0.5
Hct %	18.3	1.5	41.0	2.0	54.6	2.4
Hct l/l	0.183	0.015	0.410	0.020	0.546	0.024
MCV fl	74.5	5.0	85.5	5.0	91.8	5.0
MCH pg	24.9	2.5	28.8	2.5	31.8	2.5
MCH fmol	1.55	0.16	1.78	0.16	1.97	0.16
MCHC g/dl	33.4	3.0	33.6	3.0	34.6	3.0
MCHC mmol/l	20.7	1.9	20.9	1.9	21.5	1.9
RDW-CV	16.0	3.0	14.5	3.0	14.0	3.0
RDW-SD	34.0	6.0	39.0	6.0	42.6	8.0
Plts 10 ⁹ /l	68	20	252	40	525	60
MPV fl	8.6	3.0	8.5	3.0	8.6	3.0
PCT %	0.05	0.05	0.23	0.10	0.45	0.20
PCT ml/l	0.50	0.50	2.30	1.00	4.50	2.00
PDW fl	15.2	3.0	15.6	3.0	15.7	3.0
P-LCC	18.0	10.0	64.0	22.0	136	30.0
P-LCR	27.2	10.0	25.0	10.0	26.0	10.0
LYMP %	59.0	12.0	30.8	8.0	13.5	8.0
MONO %	12.0	8.0	8.0	6.0	6.5	5.0
GRAN %	29.0	9.0	61.2	8.0	80.0	8.0
LYMP #	1.1	0.3	2.4	0.7	2.8	1.7
MONO #	0.2	0.2	0.6	0.5	1.3	1.0
GRAN #	0.6	0.2	4.7	0.7	16.3	1.7

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

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.0	0.5	7.9	1.0	20.6	2.5
RBC 10 ¹² /l	2.44	0.18	4.72	0.24	5.84	0.30
Hb g/dl	6.0	0.4	13.8	0.6	18.9	0.8
Hb mmol/l	3.7	0.3	8.6	0.4	11.7	0.5
Hct %	18.4	1.5	41.5	2.0	55.5	2.4
Hct l/l	0.184	0.015	0.415	0.020	0.555	0.024
MCV fl	75.5	5.0	88.0	5.0	95.0	5.0
MCH pg	24.6	2.5	29.2	2.5	32.4	2.5
MCH fmol	1.53	0.16	1.81	0.16	2.01	0.16
MCHC g/dl	32.6	3.0	33.2	3.0	34.1	3.0
MCHC mmol/l	20.2	1.9	20.6	1.9	21.1	1.9
RDW-CV	16.0	3.0	15.5	3.0	14.0	3.0
RDW-SD	40.5	6.0	44.0	6.0	45.0	8.0
Plts 10 ⁹ /l	75	20	250	40	500	60
MPV fl	8.8	3.0	8.4	3.0	8.4	3.0
PCT %	0.06	0.05	0.20	0.10	0.41	0.20
PCT ml/l	0.60	0.50	2.00	1.00	4.10	2.00
PDW fl	16.3	3.0	15.7	3.0	15.7	3.0
LYMP %	59.5	12.0	30.0	8.0	14.0	7.0
MONO %	10.0	9.0	8.5	7.0	5.0	4.0
GRAN %	30.5	9.0	61.5	8.0	81.0	8.0
LYMP #	1.2	0.3	2.4	0.7	2.9	1.5
MONO #	0.2	0.2	0.7	0.6	1.0	0.8
GRAN #	0.6	0.2	4.9	0.7	16.7	1.7

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	2.2	0.5	7.6	1.0	18.8	2.5
RBC 10 ¹² /l	2.20	0.18	4.40	0.24	5.58	0.30
Hb g/dl **	6.1	0.4	14.4	0.6	19.3	0.8
Hb mmol/l **	3.8	0.3	8.9	0.4	12.0	0.5
Hct %	17.8	1.5	40.4	2.0	54.2	2.4
Hct l/l	0.178	0.015	0.404	0.020	0.542	0.024
MCV fl	81.1	5.0	91.9	5.0	97.1	5.0
MCH pg **	27.9	2.5	32.7	2.5	34.6	2.5
MCH fmol **	1.73	0.16	2.03	0.16	2.15	0.16
MCHC g/dl **	34.3	3.0	35.6	3.0	35.7	3.0
MCHC mmol/l **	21.3	1.9	22.1	1.9	22.1	1.9
RDW-CV	15.5	3.0	15.4	3.0	14.8	3.0
RDW-SD	44.9	6.0	50.4	6.0	51.2	8.0
Plts 10 ⁹ /l	69	20	222	40	449	60
MPV fl	8.9	3.0	9.0	3.0	9.0	3.0
LYMP %	61.7	12.0	30.9	8.0	13.7	7.0
MONO %	9.8	9.0	8.4	8.4	4.5	4.5
GRAN %	28.5	9.0	60.7	8.0	81.8	8.0
LYMP #	1.4	0.3	2.3	0.7	2.6	1.5
MONO #	0.2	0.2	0.6	0.6	0.8	0.8
GRAN #	0.6	0.2	4.6	0.7	15.4	1.7

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

Hb g/dl	5.8	0.4	13.4	0.6	18.0	0.8
Hb mmol/l	3.6	0.3	8.3	0.4	11.2	0.5
MCH pg	26.5	2.5	30.5	2.5	32.3	2.5
MCH fmol	1.64	0.16	1.89	0.16	2.00	0.16
MCHC g/dl	32.7	3.0	33.1	3.0	33.3	3.0
MCHC mmol/l	20.3	1.9	20.6	1.9	20.6	1.9

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	20.6	2.5
RBC 10 ¹² /l	2.34	0.18	4.58	0.24	5.60	0.30
Hb g/dl	6.2	0.4	13.8	0.6	18.5	0.8
Hb mmol/l	3.8	0.3	8.6	0.4	11.5	0.5
Hct %	17.1	1.5	39.3	2.0	51.7	2.4
Hct l/l	0.171	0.015	0.393	0.020	0.517	0.024
MCV fl	73.0	5.0	85.8	5.0	92.4	5.0
MCH pg	26.4	2.5	30.2	2.5	32.9	2.5
MCH fmol	1.64	0.16	1.87	0.16	2.04	0.16
MCHC g/dl	36.2	3.0	35.2	3.0	35.7	3.0
MCHC mmol/l	22.4	1.9	21.8	1.9	22.1	1.9
RDW-CV	14.7	3.0	14.0	3.0	12.9	3.0
RDW-SD	34.5	8.0	38.9	8.0	39.3	8.0
Plts 10 ⁹ /l	58	20	233	40	501	60
MPV fl	10.6	3.0	10.3	3.0	10.5	3.0
PCT %	0.06	0.06	0.24	0.10	0.52	0.20
PCT ml/l	0.61	0.61	2.39	1.00	5.23	2.00
PDW fl	15.4	3.0	15.1	3.0	15.4	3.0
LYMP %	61.0	10.0	32.9	8.0	14.4	7.0
MONO %	8.9	6.0	8.8	5.0	6.5	4.0
GRAN %	30.1	9.0	58.3	9.0	79.2	8.0
LYMP #	1.2	0.2	2.5	0.7	3.0	1.5
MONO #	0.2	0.2	0.7	0.7	1.3	0.9
GRAN #	0.6	0.2	4.5	0.7	16.3	1.7