

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

LOT : 224

2018-08-19

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	7.7	0.8	20.7	2.0
RBC 10 ¹² /l	2.24	0.15	4.53	0.20	5.66	0.25
Hb g/dl	5.8	0.4	13.4	0.5	18.1	0.6
Hb mmol/l	3.6	0.3	8.3	0.4	11.2	0.5
Hct %	17.2	1.5	38.2	2.4	52.1	3.0
Hct l/l	0.172	0.015	0.382	0.024	0.521	0.030
MCV fl	76.6	4.0	84.4	4.0	92.1	4.0
MCH pg	26.0	2.4	29.6	2.8	32.0	2.8
MCH fmol	1.62	0.16	1.84	0.17	1.99	0.19
MCHC g/dl	34.0	3.0	35.1	3.0	34.8	3.0
MCHC mmol/l	21.1	2.0	21.8	2.0	21.6	2.0
RDW %	16.0	3.0	15.6	3.0	14.5	3.0
Pits 10 ⁹ /l	70	20	263	35	512	60
MPV fl	8.2	2.0	8.2	2.0	8.8	2.0
PDW %	17.2	3.0	16.4	3.0	16.8	3.0
LYMP %	62.2	6.0	33.9	4.0	16.2	4.0
MONO %	8.8	8.8	6.4	6.4	4.5	4.5
GRAN %	29.0	5.0	59.7	5.0	79.3	5.0
LYMP #	1.3	0.2	2.6	0.4	3.4	0.9
MONO #	0.2	0.2	0.5	0.5	0.9	0.9
GRAN #	0.6	0.2	4.6	0.4	16.4	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	2.2	0.4	7.3	0.8	19.2	2.0
RBC 10 ¹² /l	2.24	0.15	4.49	0.20	5.65	0.25
Hb g/dl	5.5	0.4	13.4	0.5	18.1	0.6
Hb mmol/l	3.4	0.3	8.3	0.4	11.2	0.5
Hct %	16.0	1.5	36.8	2.4	51.5	3.0
Hct l/l	0.160	0.015	0.368	0.024	0.515	0.030
MCV fl	71.1	4.0	82.0	4.0	91.1	4.0
MCH pg	24.6	2.4	29.8	2.8	31.9	2.8
MCH fmol	1.53	0.16	1.85	0.17	1.98	0.19
MCHC g/dl	34.6	3.0	36.3	3.0	35.0	3.0
MCHC mmol/l	21.5	2.0	22.6	2.0	21.7	2.0
RDW %	14.6	3.0	16.0	3.0	14.9	3.0
Pits 10 ⁹ /l	76	20	260	35	478	60
MPV fl	7.8	2.0	7.8	2.0	8.3	2.0
LYMP %	53.8	6.0	30.1	4.0	14.8	4.0
MONO %	8.4	8.4	6.3	6.3	3.5	3.5
GRAN %	37.8	5.0	63.6	5.0	81.7	5.0
LYMP #	1.2	0.2	2.2	0.4	2.8	0.9
MONO #	0.2	0.2	0.5	0.5	0.7	0.7
GRAN #	0.8	0.2	4.6	0.4	15.7	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	2.3	0.4	7.4	0.8	18.6	2.0
RBC 10 ¹² /l	2.27	0.15	4.49	0.20	5.55	0.25
Hb g/dl	5.7	0.4	13.2	0.5	17.9	0.6
Hb mmol/l	3.6	0.3	8.2	0.4	11.1	0.5
Hct %	17.4	1.5	38.3	2.4	51.7	3.0
Hct l/l	0.174	0.015	0.383	0.024	0.517	0.030
MCV fl	76.6	4.0	85.4	4.0	93.1	4.0
MCH pg	25.2	2.4	29.4	2.8	32.3	2.8
MCH fmol	1.57	0.16	1.82	0.17	2.00	0.19
MCHC g/dl	32.9	3.0	34.4	3.0	34.7	3.0
MCHC mmol/l	20.4	2.0	21.4	2.0	21.5	2.0
Pits 10 ⁹ /l	66	20	258	35	499	60
MPV fl	9.1	2.0	8.7	2.0	9.0	2.0
LYMP %	62.2	6.0	33.9	4.0	16.2	4.0
MID %	8.8	8.8	6.4	6.4	4.5	4.5
GRAN %	29.0	5.0	59.7	5.0	79.3	5.0
LYMP #	1.4	0.2	2.5	0.4	3.0	0.9
MID #	0.2	0.2	0.5	0.5	0.8	0.8
GRAN #	0.7	0.2	4.4	0.4	14.7	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 %	67.2	6.0	40.4	4.0	19.2	4.0
MONO %	8.1	8.1	7.3	7.3	5.8	5.8
GRAN %	24.7	5.0	52.3	5.0	75.0	5.0
LYMP #	1.4	0.2	3.1	0.4	4.0	0.9
MONO #	0.2	0.2	0.6	0.6	1.2	1.2
GRAN #	0.5	0.2	4.0	0.4	15.5	1.1

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	7.7	0.8	20.6	2.0
RBC 10 ¹² /l	2.24	0.15	4.53	0.20	5.66	0.25
Hb g/dl	5.8	0.4	13.4	0.5	18.1	0.6
Hb mmol/l	3.6	0.3	8.3	0.4	11.2	0.5
Hct %	17.2	1.5	38.7	2.4	52.7	3.0
Hct l/l	0.172	0.015	0.387	0.024	0.527	0.030
MCV fl	76.6	4.0	85.4	4.0	93.1	4.0
MCH pg	26.0	2.4	29.6	2.8	32.0	2.8
MCH fmol	1.61	0.16	1.84	0.17	1.99	0.19
MCHC g/dl	34.0	3.0	34.6	3.0	34.4	3.0
MCHC mmol/l	21.1	2.0	21.5	2.0	21.3	2.0
RDW %	16.0	3.0	15.6	3.0	14.5	3.0
Pits 10 ⁹ /l	70	20	261	35	510	60
MPV fl	8.2	2.0	8.2	2.0	8.8	2.0
LYMP %	63.9	6.0	33.5	4.0	14.9	4.0
MONO %	6.0	6.0	4.8	4.8	3.6	3.6
GRAN %	30.1	5.0	61.7	5.0	81.5	5.0
LYMP #	1.3	0.2	2.6	0.4	3.1	0.9
MONO #	0.1	0.1	0.4	0.4	0.7	0.7
GRAN #	0.6	0.2	4.8	0.4	16.8	1.1

Coulter Counter: AcT 8, AcT 10

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
Please refer to Table AcT Diff for CBC parameters						
LYMP %	50.3	6.0	25.4	4.0	10.4	4.0
LYMP #	1.0	0.2	2.0	0.4	2.2	0.8

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	7.7	0.8	20.7	2.0
RBC 10 ¹² /l	2.22	0.15	4.53	0.20	5.57	0.25
Hb g/dl	5.9	0.4	13.7	0.5	18.8	0.6
Hb mmol/l	3.7	0.3	8.5	0.4	11.7	0.5
Hct %	17.0	1.5	38.9	2.4	54.1	3.0
Hct l/l	0.170	0.015	0.389	0.024	0.541	0.030
MCV fl	76.6	4.0	85.8	4.0	97.0	4.0
MCH pg	26.8	2.4	30.2	2.8	33.8	2.8
MCH fmol	1.66	0.16	1.87	0.17	2.10	0.19
MCHC g/dl	34.9	3.0	35.2	3.0	34.9	3.0
MCHC mmol/l	21.7	2.0	21.8	2.0	21.6	2.0
RDW %	14.9	3.0	15.0	3.0	13.7	3.0
Pits 10 ⁹ /l	72	20	268	35	532	60
MPV fl	8.2	2.0	7.2	2.0	7.2	2.0
LYMP %	66.3	8.0	35.3	4.0	19.0	4.0
MONO %	11.0	11.0	6.9	6.9	4.3	4.3
GRAN %	22.7	8.0	57.8	5.0	76.7	5.0
LYMP #	1.4	0.2	2.7	0.4	3.9	0.9
MONO #	0.2	0.2	0.5	0.5	0.9	0.9
GRAN #	0.5	0.4	4.5	0.4	15.9	1.1

Danam/Drew Excel18=MWI BT2100, D3; Orphee Mythic18; Abbott Emerald18

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.0	0.4	7.7	0.8	19.7	2.0
RBC 10 ¹² /l	2.24	0.15	4.53	0.20	5.66	0.25
Hb g/dl	5.6	0.4	13.4	0.5	18.1	0.6
Hb mmol/l	3.5	0.3	8.3	0.4	11.2	0.5
Hct %	16.6	1.5	38.7	2.4	52.9	3.0
Hct l/l	0.166	0.015	0.387	0.024	0.529	0.030
MCV fl	74.3	4.0	85.4	4.0	93.5	4.0
MCH pg	25.1	2.4	29.6	2.8	32.0	2.8
MCH fmol	1.56	0.16	1.84	0.17	1.99	0.19
MCHC g/dl	33.8	3.0	34.6	3.0	34.2	3.0
MCHC mmol/l	21.0	2.0	21.5	2.0	21.2	2.0
RDW %	14.1	3.0	13.1	3.0	12.1	3.0
Pits 10 ⁹ /l	70	20	245	35	475	60
MPV fl	8.2	2.0	8.2	2.0	8.8	2.0
LYMP %	60.2	6.0	30.7	4.0	14.8	4.0
MONO %	7.80	7.73	3.30	3.24	2.50	2.44
GRAN %	32.0	5.0	66.0	5.0	82.7	5.0
LYMP #	1.2	0.2	2.4	0.4	2.9	0.9
MONO #	0.16	0.09	0.25	0.19	0.49	0.43
GRAN #	0.6	0.2	5.1	0.4	16.3	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 %	75.5	6.0	42.5	4.0	20.3	4.0
MONO %	7.1	7.1	6.8	6.8	5.5	5.5
GRAN %	17.4	5.0	50.7	5.0	74.2	5.0
LYMP #	1.6	0.2	3.3	0.4	4.2	0.9
MONO #	0.1	0.1	0.5	0.5	1.1	1.1
GRAN #	0.4	0.2	3.9	0.4	15.4	1.1

LOT : 224

2018-08-19



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

Diatron[™]: Abacus, Abacus 3, Abacus Junior, Arcus; Erba: Elite 3
Human: HumaCount 30^{TS}, HumaCount 80^{TS}

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.0	0.5	7.7	0.8	21.1	2.0
RBC 10 ¹² /l	2.28	0.15	4.64	0.20	5.94	0.25
Hb g/dl	5.9	0.4	13.6	0.5	18.7	0.6
Hb mmol/l	3.7	0.3	8.4	0.4	11.6	0.5
Hct %	17.9	1.5	40.7	2.4	57.5	3.0
Hct l/l	0.179	0.015	0.407	0.024	0.575	0.030
MCV fl	78.2	5.0	87.7	5.0	96.7	5.0
MCH pg	25.8	2.4	29.3	2.8	31.4	2.8
MCH fmol	1.60	0.16	1.82	0.17	1.95	0.19
MCHC g/dl	33.0	3.0	33.4	3.0	32.5	3.0
MCHC mmol/l	20.5	2.0	20.7	2.0	20.2	2.0
RDW-SD fl	55.8	5.0	59.0	5.0	61.0	5.0
RDW-CV %	15.8	3.0	14.8	3.0	13.9	3.0
Pits 10 ⁹ /l	70	20	263	35	492	60
MPV fl	8.2	2.0	8.5	2.0	9.2	2.0
PCT %	0.06	0.02	0.22	0.06	0.45	0.10
PCT ml/l	0.57	0.20	2.24	0.60	4.54	1.00
PDW-SD fl	12.4	2.5	12.4	2.5	13.9	2.5
PDW-CV %	35.3	5.0	36.9	5.0	38.4	5.0
LYMP %	57.9	6.0	31.8	4.0	12.9	4.0
MONO %	7.1	7.1	5.9	5.9	5.8	5.8
GRAN %	35.0	6.0	62.3	5.0	81.3	6.0
LYMP #	1.1	0.3	2.4	0.4	2.7	0.9
MONO #	0.2	0.2	0.5	0.5	1.2	1.2
GRAN #	0.6	0.2	4.8	0.4	17.2	1.1

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

Medonic CA530, CA620

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	1.8	0.4	6.6	0.8	16.3	2.0
RBC 10 ¹² /l	2.21	0.15	4.50	0.20	5.58	0.25
Hb g/dl	5.9	0.4	13.4	0.5	18.1	0.6
Hb mmol/l	3.7	0.3	8.3	0.4	11.2	0.5
Hct %	15.9	1.5	36.1	2.4	49.3	3.0
Hct l/l	0.159	0.015	0.361	0.024	0.493	0.030
MCV fl	71.9	4.0	80.3	4.0	88.4	4.0
MCH pg	26.8	2.4	29.8	2.8	32.5	2.8
MCH fmol	1.67	0.16	1.85	0.17	2.02	0.19
MCHC g/dl	37.3	3.0	37.1	3.0	36.7	3.0
MCHC mmol/l	23.2	2.0	23.0	2.0	22.8	2.0
RDW %	14.1	3.0	16.9	3.0	16.4	3.0
Pits 10 ⁹ /l	69	20	249	35	453	60
MPV fl	7.7	2.0	7.9	2.0	8.5	2.0
LYMP %	68.9	9.0	38.7	6.0	19.3	4.0
MONO %	6.6	6.6	8.3	8.3	7.2	7.2
GRAN %	24.5	5.0	53.0	9.0	73.5	10.0
LYMP #	1.2	0.2	2.6	0.4	3.1	0.9
MONO #	0.1	0.1	0.5	0.5	1.2	1.2
GRAN #	0.4	0.2	3.5	0.4	12.0	1.1

Inmesco HM1060; Rayto RT-7600; HTI Micros CC 20 Plus

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	1.9	0.4	7.7	0.8	20.1	2.0
RBC 10 ¹² /l	2.24	0.15	4.43	0.20	5.46	0.25
Hb g/dl	5.8	0.4	13.7	0.5	19.2	0.6
Hb mmol/l	3.6	0.3	8.3	0.4	11.9	0.5
Hct %	17.2	1.5	38.7	2.4	52.7	3.0
Hct l/l	0.172	0.015	0.387	0.024	0.527	0.030
MCV fl	78.6	4.0	85.4	4.0	94.1	4.0
MCH pg	26.0	2.4	30.9	2.8	35.2	2.8
MCH fmol	1.61	0.2	1.88	0.2	2.18	0.2
MCHC g/dl	34.0	3.0	35.4	3.0	36.5	3.0
MCHC mmol/l	21.1	2.0	21.5	2.0	22.6	2.0
RDW-CV %	11.7	3.0	11.4	3.0	10.5	3.0
RDW-SD fl	35.5	5.0	39.4	5.0	41.0	5.0
Pits 10 ⁹ /l	62	20	251	35	510	60
MPV fl	10.1	2.0	9.5	2.0	9.8	2.0
PCT %	0.06	0.02	0.24	0.06	0.50	0.10
PCT ml/l	0.63	0.20	2.38	0.60	5.00	1.00
PDW %	9.0	3.0	12.1	3.0	12.8	3.0
LYMP %	56.9	8.0	29.8	5.0	12.4	4.0
MONO %	12.3	12.3	7.3	7.3	6.5	6.5
GRAN %	30.8	6.0	62.9	8.0	81.1	8.0
LYMP #	1.1	0.2	2.3	0.4	2.5	0.9
MONO #	0.2	0.2	0.6	0.6	1.3	1.3
GRAN #	0.6	0.2	4.8	0.8	16.3	1.1

Avantor BeneSphera[™] H32

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	1.9	0.4	7.7	0.8	20.1	2.0
RBC 10 ¹² /l	2.24	0.15	4.43	0.20	5.46	0.25
Hb g/dl	5.8	0.4	13.7	0.5	19.2	0.6
Hb mmol/l	3.6	0.3	8.3	0.4	11.9	0.5
Hct %	17.2	1.5	38.7	2.4	52.7	3.0
Hct l/l	0.172	0.015	0.387	0.024	0.527	0.030
MCV fl	78.6	4.0	85.4	4.0	94.1	4.0
MCH pg	26.0	2.4	30.9	2.8	35.2	2.8
MCH fmol	1.61	0.2	1.88	0.2	2.18	0.2
MCHC g/dl	34.0	3.0	35.4	3.0	36.5	3.0
MCHC mmol/l	21.1	2.0	21.5	2.0	22.6	2.0
RDW-CV %	11.7	3.0	11.4	3.0	10.5	3.0
RDW-SD fl	35.5	5.0	39.4	5.0	41.0	5.0
Pits 10 ⁹ /l	62	20	251	35	510	60
MPV fl	10.1	2.0	9.5	2.0	9.8	2.0
PCT %	0.06	0.02	0.24	0.06	0.50	0.10
PCT ml/l	0.63	0.20	2.38	0.60	5.00	1.00
PDW %	9.0	3.0	12.1	3.0	12.8	3.0
LYMP %	56.9	8.0	29.8	5.0	12.4	4.0
MONO %	12.3	12.3	7.3	7.3	6.5	6.5
GRAN %	30.8	6.0	62.9	8.0	81.1	8.0
LYMP #	1.1	0.2	2.3	0.4	2.5	0.9
MONO #	0.2	0.2	0.6	0.6	1.3	1.3
GRAN #	0.6	0.2	4.8	0.8	16.3	1.1

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

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	1.8	0.4	7.7	0.8	20.2	2.0
RBC 10 ¹² /l	2.24	0.15	4.67	0.20	5.51	0.25
Hb g/dl	5.8	0.4	13.4	0.5	18.1	0.6
Hb mmol/l	3.6	0.3	8.3	0.4	11.2	0.5
Hct %	17.2	1.5	40.7	2.4	55.1	3.0
Hct l/l	0.172	0.015	0.407	0.024	0.551	0.030
MCV fl	76.6	4.0	87.1	4.0	99.9	4.0
MCH pg	26.0	2.4	28.7	2.8	32.9	2.8
MCH fmol	1.62	0.16	1.78	0.17	2.04	0.19
MCHC g/dl	34.0	3.0	33.0	3.0	32.9	3.0
MCHC mmol/l	21.1	2.0	20.5	2.0	20.4	2.0
RDW %	16.0	3.0	15.6	3.0	14.5	3.0
Pits 10 ⁹ /l	80	20	257	35	464	60
MPV fl	8.2	2.0	8.2	2.0	8.8	2.0
PDW %	17.2	3.0	16.4	3.0	16.8	3.0
LYMP %	61.9	9.0	33.9	4.0	16.2	4.0
MONO %	5.5	5.5	6.4	6.4	4.5	4.5
GRAN %	32.6	5.0	59.7	9.0	79.3	10.0
LYMP #	1.1	0.2	2.6	0.4	3.3	0.9
MONO #	0.2	0.2	0.5	0.5	0.9	0.9
GRAN #	0.6	0.2	4.6	0.4	16.0	1.1

Urit 2900 Plus

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	1.8	0.4	7.7	0.8	22.1	2.0
RBC 10 ¹² /l	2.24	0.15	4.65	0.20	5.86	0.25
Hb g/dl	5.7	0.4	13.1	0.5	17.1	0.6
Hb mmol/l	3.6	0.3	8.1	0.4	10.6	0.5
Hct %	16.6	1.5	36.9	2.4	48.7	3.0
Hct l/l	0.166	0.015	0.369	0.024	0.487	0.030
MCV fl	74.1	4.0	79.4	4.0	83.1	4.0
MCH pg	25.6	2.4	28.2	2.8	29.2	2.8
MCH fmol	1.59	0.2	1.75	0.2	1.81	0.2
MCHC g/dl	34.5	3.0	35.5	3.0	35.1	3.0
MCHC mmol/l	21.4	2.0	22.0	2.0	21.8	2.0
RDW-CV %	14.5	3.0	14.6	3.0	14.2	3.0
RDW-SD fl	21.5	5.0	29.4	5.0	41.0	5.0
Pits 10 ⁹ /l	69	20	243	35	390	60
MPV fl	17.1	2.0	13.4	2.0	13.2	2.0
PCT %	0.12	0.02	0.32	0.06	0.51	0.10
PCT ml/l	1.18	0.20	3.25	0.60	5.15	1.00
PDW %	13.5	3.0	13.8	3.0	14.3	3.0
LYMP %	61.9	8.0	32.0	5.0	13.2	4.0
MONO %	5.5	5.5	4.1	4.1	3.8	3.8
GRAN %	32.6	6.0	63.9	8.0	83.0	8.0
LYMP #	1.1	0.2	2.5	0.4	2.9	0.9
MONO #	0.1	0.1	0.3	0.3	0.8	0.8
GRAN #	0.6	0.2	4.9	0.8	18.3	1.1



LOT : 224
: 2018-08-19

Mindray BC-3200, BC-3000CT

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.0	0.5	8.0	1.0	21.4	2.5
RBC 10 ¹² /l	2.31	0.18	4.66	0.24	5.85	0.30
Hb g/dl	5.9	0.4	13.7	0.6	19.0	0.8
Hb mmol/l	3.7	0.3	8.5	0.4	11.8	0.5
Hct %	17.8	1.5	40.3	2.0	55.9	2.4
Hct l/l	0.178	0.015	0.403	0.020	0.559	0.024
MCV fl	77.0	5.0	86.5	5.0	95.5	5.0
MCH pg	25.5	2.5	29.4	2.5	32.5	2.5
MCH fmol	1.59	0.16	1.82	0.17	2.02	0.18
MCHC g/dl	33.2	3.0	34.0	3.0	34.0	3.0
MCHC mmol/l	20.6	2.0	21.1	2.0	21.1	2.0
RDW-CV	14.0	3.0	13.5	3.0	12.5	3.0
RDW-SD	35.5	6.0	38.5	6.0	41.0	8.0
Pits 10 ⁹ /l	80	20	268	40	509	60
MPV fl	8.5	3.0	8.0	3.0	8.3	3.0
LYMP %	60.0	12.0	30.0	8.0	13.0	6.0
MONO %	8.5	8.0	7.0	6.0	5.5	4.0
GRAN %	31.5	10.0	63.0	8.0	81.5	8.0
LYMP #	1.2	0.3	2.4	0.7	2.8	1.3
MONO #	0.2	0.2	0.6	0.6	1.2	0.9
GRAN #	0.6	0.2	5.0	0.7	17.4	1.8

Mindray BC-2800, BC-2600, BC-2800Vet*, BC-2600Vet* (*SW 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	21.3	2.5
RBC 10 ¹² /l	2.24	0.18	4.60	0.24	5.78	0.30
Hb g/dl	5.9	0.4	13.6	0.6	19.2	0.8
Hb mmol/l	3.7	0.3	8.4	0.4	11.9	0.5
Hct %	17.1	1.5	39.1	2.0	54.6	2.4
Hct l/l	0.171	0.015	0.391	0.020	0.546	0.024
MCV fl	76.5	5.0	85.0	5.0	94.5	5.0
MCH pg	26.3	2.5	29.6	2.5	33.2	2.5
MCH fmol	1.63	0.16	1.83	0.17	2.06	0.18
MCHC g/dl	34.4	3.0	34.8	3.0	35.2	3.0
MCHC mmol/l	21.4	2.0	21.6	2.0	21.8	2.0
RDW-CV	16.5	3.0	15.5	3.0	15.0	3.0
RDW-SD	42.0	6.0	44.5	6.0	46.0	8.0
Pits 10 ⁹ /l	72	20	260	40	516	60
MPV fl	10.4	3.0	10.1	3.0	10.4	3.0
PCT %	0.07	0.05	0.26	0.10	0.53	0.20
PCT ml/l	0.70	0.50	2.60	1.00	5.30	2.00
PDW fl	15.1	3.0	14.9	3.0	15.0	3.0
LYMP %	62.8	10.0	33.0	8.0	15.5	7.0
MONO %	7.0	6.0	5.4	5.0	4.0	4.0
GRAN %	30.2	9.0	61.6	9.0	80.5	8.0
LYMP #	1.3	0.3	2.6	0.7	3.3	1.5
MONO #	0.1	0.1	0.4	0.4	0.9	0.9
GRAN #	0.6	0.2	4.9	0.8	17.1	1.7

Mindray BC-3600, BC-3300

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.0	0.5	7.7	1.0	20.9	2.5
RBC 10 ¹² /l	2.34	0.18	4.78	0.24	5.98	0.30
Hb g/dl	6.1	0.4	13.8	0.6	19.1	0.8
Hb mmol/l	3.8	0.3	8.6	0.4	11.9	0.5
Hct %	18.1	1.5	40.4	2.0	55.3	2.4
Hct l/l	0.181	0.015	0.404	0.020	0.553	0.024
MCV fl	77.5	5.0	84.5	5.0	92.5	5.0
MCH pg	26.1	2.5	28.9	2.5	31.9	2.5
MCH fmol	1.62	0.16	1.79	0.17	1.98	0.18
MCHC g/dl	33.6	3.0	34.2	3.0	34.5	3.0
MCHC mmol/l	20.9	2.0	21.2	2.0	21.4	2.0
RDW-CV	16.0	3.0	15.0	3.0	14.0	3.0
RDW-SD	34.0	6.0	39.0	6.0	42.0	8.0
Pits 10 ⁹ /l	70	20	270	40	545	60
MPV fl	9.7	3.0	9.4	3.0	10.0	3.0
PCT %	0.07	0.05	0.26	0.10	0.56	0.20
PCT ml/l	0.70	0.50	2.60	1.00	5.60	2.00
PDW fl	15.3	3.0	15.6	3.0	16.0	3.0
P-LCC	26.0	10.0	90.0	22.0	206.0	30.0
P-LCR	35.0	9.0	33.0	9.0	38.0	9.0
LYMP %	58.5	9.0	31.5	8.0	14.5	8.0
MONO %	10.5	8.0	7.0	6.0	5.5	4.0
GRAN %	31.0	8.0	61.5	8.0	80.0	9.0
LYMP #	1.2	0.2	2.4	0.7	3.0	1.7
MONO #	0.2	0.2	0.5	0.5	1.1	0.8
GRAN #	0.6	0.2	4.7	0.7	16.7	1.9

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

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.0	0.5	7.8	1.0	20.7	2.5
RBC 10 ¹² /l	2.32	0.18	4.70	0.24	5.86	0.30
Hb g/dl	5.9	0.4	13.6	0.6	18.7	0.8
Hb mmol/l	3.7	0.3	8.4	0.4	11.6	0.5
Hct %	18.0	1.5	40.7	2.0	56.0	2.4
Hct l/l	0.180	0.015	0.407	0.020	0.560	0.024
MCV fl	77.5	5.0	86.5	5.0	95.5	5.0
MCH pg	25.4	2.5	28.9	2.5	31.9	2.5
MCH fmol	1.58	0.16	1.80	0.17	1.98	0.18
MCHC g/dl	32.8	3.0	33.5	3.0	33.4	3.0
MCHC mmol/l	20.3	2.0	20.7	2.0	20.7	2.0
RDW-CV	16.0	3.0	15.0	3.0	14.5	3.0
RDW-SD	36.5	6.0	39.0	6.0	42.5	8.0
Pits 10 ⁹ /l	80	20	269	40	497	60
MPV fl	9.0	3.0	8.0	3.0	9.0	3.0
PCT %	0.07	0.05	0.23	0.10	0.44	0.20
PCT ml/l	0.70	0.50	2.30	1.00	4.40	2.00
PDW fl	16.5	3.0	16.3	3.0	16.3	3.0
LYMP %	57.0	12.0	31.5	8.0	13.5	6.0
MONO %	9.5	8.0	7.0	6.0	6.0	5.0
GRAN %	33.5	9.0	61.5	8.0	80.5	8.0
LYMP #	1.1	0.3	2.5	0.7	2.8	1.3
MONO #	0.2	0.2	0.5	0.5	1.2	1.0
GRAN #	0.7	0.2	4.8	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	2.1	0.5	7.7	1.0	19.5	2.5
RBC 10 ¹² /l	2.09	0.18	4.36	0.24	5.60	0.30
Hb g/dl **	6.0	0.4	14.3	0.6	19.5	0.8
Hb mmol/l **	3.7	0.3	8.9	0.4	12.1	0.5
Hct %	17.3	1.5	39.4	2.0	54.4	2.4
Hct l/l	0.173	0.015	0.394	0.020	0.544	0.024
MCV fl	82.6	5.0	90.4	5.0	97.1	5.0
MCH pg **	28.9	2.5	32.8	2.5	34.9	2.5
MCH fmol **	1.79	0.16	2.04	0.17	2.16	0.18
MCHC g/dl **	34.9	3.0	36.3	3.0	35.9	3.0
MCHC mmol/l **	21.7	2.0	22.5	2.0	22.3	2.0
RDW-CV	14.8	3.0	14.9	3.0	14.3	3.0
RDW-SD	43.7	6.0	47.9	6.0	49.4	8.0
Pits 10 ⁹ /l	77	20	245	40	468	60
MPV fl	8.9	3.0	9.0	3.0	9.3	3.0
LYMP %	62.2	12.0	30.9	8.0	13.7	6.0
MONO %	8.8	8.8	6.4	6.4	4.5	4.5
GRAN %	29.0	9.0	62.7	8.0	81.8	8.0
LYMP #	1.3	0.3	2.4	0.7	2.7	1.3
MONO #	0.2	0.2	0.5	0.5	0.9	0.9
GRAN #	0.6	0.2	4.8	0.7	16.0	1.7

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

Hb g/dl	5.7	0.4	13.3	0.6	18.2	0.8
Hb mmol/l	3.6	0.3	8.3	0.4	11.3	0.5
MCH pg	27.4	2.5	30.5	2.5	32.5	2.5
MCH fmol	1.70	0.16	1.89	0.17	2.02	0.18
MCHC g/dl	33.2	3.0	33.8	3.0	33.5	3.0
MCHC mmol/l	20.6	2.0	20.9	2.0	20.8	2.0

Mindray BC-2300, BC-2100

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	1.9	0.5	7.8	1.0	21.3	2.5
RBC 10 ¹² /l	2.23	0.18	4.54	0.24	5.62	0.30
Hb g/dl	6.1	0.4	13.7	0.6	18.7	0.8
Hb mmol/l	3.8	0.3	8.5	0.4	11.6	0.5
Hct %	16.6	1.5	38.3	2.0	51.9	2.4
Hct l/l	0.166	0.015	0.383	0.020	0.519	0.024
MCV fl	74.5	5.0	84.3	5.0	92.4	5.0
MCH pg	27.3	2.5	30.2	2.5	33.2	2.5
MCH fmol	1.69	0.16	1.88	0.16	2.06	0.16
MCHC g/dl	36.6	3.0	35.8	3.0	35.9	3.0
MCHC mmol/l	22.7	1.9	22.2	1.9	22.3	1.9
RDW-CV	14.0	3.0	13.5	3.0	12.4	3.0
RDW-SD	33.5	6.0	37.4	6.0	39.3	8.0
Pits 10 ⁹ /l	66	20	256	40	520	60
MPV fl	10.6	3.0	10.3	3.0	10.8	3.0
PCT %	0.07	0.07	0.26	0.10	0.56	0.20
PCT ml/l	0.70	0.70	2.63	1.00	5.58	2.00
PDW fl	14.4	3.0	14.8	3.0	15.7	3.0
LYMP %	61.5	10.0	32.9	8.0	14.4	7.0
MONO %	7.9	7.9	6.8	6.8	6.5	6.5
GRAN %	30.6	9.0	60.3	9.0	79.2	8.0
LYMP #	1.2	0.2	2.6	0.7	3.1	1.5
MONO #	0.1	0.1	0.5	0.5	1.4	1.4
GRAN #	0.6	0.2	4.7	0.7	16.9	1.7