

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

LOT : 213

2015-11-19

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	2.1	0.4	7.8	0.8	20.6	2.0
RBC 10 ¹² /l	2.40	0.15	4.59	0.20	5.66	0.25
Hb g/dl	6.1	0.4	13.4	0.5	18.2	0.6
Hb mmol/l	3.8	0.3	8.3	0.4	11.3	0.5
Hct %	18.0	1.5	38.7	2.4	52.4	3.0
Hct l/l	0.180	0.015	0.387	0.024	0.524	0.030
MCV fl	75.1	4.0	84.4	4.0	92.6	4.0
MCH pg	25.5	2.4	29.2	2.8	32.2	2.8
MCH fmol	1.59	0.16	1.81	0.17	2.00	0.19
MCHC g/dl	34.0	3.0	34.6	3.0	34.8	3.0
MCHC mmol/l	21.1	2.0	21.5	2.0	21.6	2.0
RDW %	16.0	3.0	15.6	3.0	14.5	3.0
Plts 10 ⁹ /l	54	20	247	35	508	60
MPV fl	8.0	2.0	8.4	2.0	8.6	2.0
PDW %	17.2	3.0	16.4	3.0	16.8	3.0
LYMP %	60.2	6.0	31.4	4.0	15.7	4.0
MONO %	11.3	11.3	7.4	7.4	5.0	5.0
GRAN %	28.5	5.0	61.2	5.0	79.3	5.0
LYMP #	1.3	0.2	2.4	0.4	3.2	0.9
MONO #	0.2	0.2	0.6	0.6	1.0	1.0
GRAN #	0.6	0.2	4.8	0.4	16.3	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	19.1	2.0
RBC 10 ¹² /l	2.41	0.15	4.55	0.20	5.65	0.25
Hb g/dl	5.8	0.4	13.4	0.5	18.2	0.6
Hb mmol/l	3.6	0.3	8.3	0.4	11.3	0.5
Hct %	16.8	1.5	37.3	2.4	51.8	3.0
Hct l/l	0.168	0.015	0.373	0.024	0.518	0.030
MCV fl	69.7	4.0	82.0	4.0	91.6	4.0
MCH pg	24.2	2.4	29.4	2.8	32.1	2.8
MCH fmol	1.50	0.16	1.83	0.17	1.99	0.19
MCHC g/dl	34.6	3.0	35.9	3.0	35.0	3.0
MCHC mmol/l	21.5	2.0	22.3	2.0	21.7	2.0
RDW %	14.6	3.0	16.0	3.0	14.9	3.0
Plts 10 ⁹ /l	59	20	244	35	475	60
MPV fl	7.6	2.0	8.0	2.0	8.1	2.0
LYMP %	52.1	6.0	27.9	4.0	14.3	4.0
MONO %	10.8	10.8	7.3	7.3	3.9	3.9
GRAN %	37.2	5.0	64.8	5.0	81.8	5.0
LYMP #	1.1	0.2	2.0	0.4	2.7	0.9
MONO #	0.2	0.2	0.5	0.5	0.7	0.7
GRAN #	0.8	0.2	4.8	0.4	15.6	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	7.5	0.8	18.5	2.0
RBC 10 ¹² /l	2.43	0.15	4.55	0.20	5.55	0.25
Hb g/dl	6.0	0.4	13.2	0.5	18.0	0.6
Hb mmol/l	3.7	0.3	8.2	0.4	11.2	0.5
Hct %	18.3	1.5	38.8	2.4	52.0	3.0
Hct l/l	0.183	0.015	0.388	0.024	0.520	0.030
MCV fl	75.1	4.0	85.4	4.0	93.6	4.0
MCH pg	24.8	2.4	29.0	2.8	32.5	2.8
MCH fmol	1.54	0.16	1.80	0.17	2.01	0.19
MCHC g/dl	33.0	3.0	34.0	3.0	34.7	3.0
MCHC mmol/l	20.5	2.0	21.1	2.0	21.5	2.0
Plts 10 ⁹ /l	50	20	242	35	495	60
MPV fl	8.9	2.0	8.9	2.0	8.8	2.0
LYMP %	60.2	6.0	31.4	4.0	15.7	4.0
MID %	11.3	11.3	7.4	7.4	5.0	5.0
GRAN %	28.5	5.0	61.2	5.0	79.3	5.0
LYMP #	1.4	0.2	2.4	0.4	2.9	0.9
MID #	0.3	0.3	0.6	0.6	0.9	0.9
GRAN #	0.7	0.2	4.6	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 %	65.1	6.0	37.4	4.0	18.7	4.0
MONO %	10.4	10.4	8.4	8.4	6.4	6.4
GRAN %	24.6	5.0	54.2	5.0	74.9	5.0
LYMP #	1.4	0.2	2.9	0.4	3.8	0.9
MONO #	0.2	0.2	0.7	0.7	1.3	1.3
GRAN #	0.5	0.2	4.2	0.4	15.4	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	7.8	0.8	20.5	2.0
RBC 10 ¹² /l	2.40	0.15	4.59	0.20	5.66	0.25
Hb g/dl	6.1	0.4	13.4	0.5	18.2	0.6
Hb mmol/l	3.8	0.3	8.3	0.4	11.3	0.5
Hct %	18.0	1.5	39.2	2.4	53.0	3.0
Hct l/l	0.180	0.015	0.392	0.024	0.530	0.030
MCV fl	75.1	4.0	85.4	4.0	93.6	4.0
MCH pg	25.5	2.4	29.2	2.8	32.2	2.8
MCH fmol	1.58	0.16	1.81	0.17	2.00	0.19
MCHC g/dl	34.0	3.0	34.2	3.0	34.4	3.0
MCHC mmol/l	21.1	2.0	21.2	2.0	21.3	2.0
RDW %	16.0	3.0	15.6	3.0	14.5	3.0
Plts 10 ⁹ /l	54	20	245	35	506	60
MPV fl	8.0	2.0	8.4	2.0	8.6	2.0
LYMP %	61.9	6.0	31.0	4.0	14.4	4.0
MONO %	8.5	8.5	5.8	5.8	4.1	4.1
GRAN %	29.6	5.0	63.2	5.0	81.5	5.0
LYMP #	1.3	0.2	2.4	0.4	3.0	0.9
MONO #	0.2	0.2	0.5	0.5	0.8	0.8
GRAN #	0.6	0.2	4.9	0.4	16.7	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 %	48.3	6.0	22.9	4.0	9.9	4.0
LYMP #	1.0	0.2	1.8	0.4	2.1	0.8

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	2.1	0.4	7.8	0.8	20.6	2.0
RBC 10 ¹² /l	2.38	0.15	4.59	0.20	5.57	0.25
Hb g/dl	6.3	0.4	13.7	0.5	18.9	0.6
Hb mmol/l	3.9	0.3	8.5	0.4	11.8	0.5
Hct %	17.9	1.5	39.4	2.4	54.4	3.0
Hct l/l	0.179	0.015	0.394	0.024	0.544	0.030
MCV fl	75.1	4.0	85.8	4.0	97.5	4.0
MCH pg	26.3	2.4	29.8	2.8	34.0	2.8
MCH fmol	1.63	0.16	1.85	0.17	2.11	0.19
MCHC g/dl	35.0	3.0	34.7	3.0	34.9	3.0
MCHC mmol/l	21.7	2.0	21.6	2.0	21.6	2.0
RDW %	14.9	3.0	15.0	3.0	13.7	3.0
Plts 10 ⁹ /l	55	20	251	35	528	60
MPV fl	8.0	2.0	7.3	2.0	7.0	2.0
LYMP %	64.2	8.0	32.7	4.0	18.4	4.0
MONO %	14.1	14.1	8.0	8.0	4.8	4.8
GRAN %	21.7	8.0	59.3	5.0	76.8	5.0
LYMP #	1.4	0.2	2.5	0.4	3.8	0.9
MONO #	0.3	0.3	0.6	0.6	1.0	1.0
GRAN #	0.5	0.4	4.6	0.4	15.8	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	7.8	0.8	19.6	2.0
RBC 10 ¹² /l	2.40	0.15	4.59	0.20	5.66	0.25
Hb g/dl	5.9	0.4	13.4	0.5	18.2	0.6
Hb mmol/l	3.7	0.3	8.3	0.4	11.3	0.5
Hct %	17.5	1.5	39.2	2.4	53.2	3.0
Hct l/l	0.175	0.015	0.392	0.024	0.532	0.030
MCV fl	72.9	4.0	85.4	4.0	94.0	4.0
MCH pg	24.7	2.4	29.2	2.8	32.2	2.8
MCH fmol	1.53	0.16	1.81	0.17	2.00	0.19
MCHC g/dl	33.9	3.0	34.2	3.0	34.2	3.0
MCHC mmol/l	21.0	2.0	21.2	2.0	21.3	2.0
RDW %	14.1	3.0	13.1	3.0	12.1	3.0
Plts 10 ⁹ /l	54	20	230	35	471	60
MPV fl	8.0	2.0	8.4	2.0	8.6	2.0
LYMP %	58.2	6.0	28.2	4.0	14.3	4.0
MONO %	10.30	10.23	4.30	4.24	3.00	2.94
GRAN %	31.5	5.0	67.5	5.0	82.7	5.0
LYMP #	1.2	0.2	2.2	0.4	2.8	0.9
MONO #	0.21	0.14	0.34	0.28	0.59	0.53
GRAN #	0.6	0.2	5.3	0.4	16.2	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 %	73.1	6.0	39.4	4.0	19.7	4.0
MONO %	9.1	9.1	7.9	7.9	6.1	6.1
GRAN %	17.8	5.0	52.8	5.0	74.2	5.0
LYMP #	1.5	0.2	3.1	0.4	4.0	0.9
MONO #	0.2	0.2	0.6	0.6	1.3	1.3
GRAN #	0.4	0.2	4.1	0.4	15.3	1.1



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

LOT : 213
: 2015-11-19

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

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.0	0.5	7.8	0.8	21.0	2.0
RBC 10 ¹² /l	2.45	0.15	4.70	0.20	5.94	0.25
Hb g/dl	6.2	0.4	13.6	0.5	18.8	0.6
Hb mmol/l	3.8	0.3	8.4	0.4	11.6	0.5
Hct %	18.8	1.5	41.3	2.4	57.8	3.0
Hct l/l	0.188	0.015	0.413	0.024	0.578	0.030
MCV fl	76.6	5.0	87.7	5.0	97.3	5.0
MCH pg	25.3	2.4	28.9	2.8	31.6	2.8
MCH fmol	1.57	0.16	1.79	0.17	1.96	0.19
MCHC g/dl	33.0	3.0	32.9	3.0	32.5	3.0
MCHC mmol/l	20.5	2.0	20.4	2.0	20.2	2.0
RDW-SD fl	54.8	5.0	59.0	5.0	61.4	5.0
RDW-CV %	15.8	3.0	14.8	3.0	13.9	3.0
Plts 10 ⁹ /l	54	20	247	35	488	60
MPV fl	8.0	2.0	8.7	2.0	9.0	2.0
PCT %	0.04	0.02	0.22	0.06	0.44	0.10
PCT ml/l	0.43	0.20	2.15	0.30	4.40	0.40
PDW-SD fl	12.1	2.5	12.7	2.5	13.6	2.5
PDW-CV %	35.3	5.0	36.9	5.0	38.4	5.0
LYMP %	56.1	6.0	29.4	4.0	12.5	4.0
MONO %	9.1	9.1	6.8	6.8	6.4	6.4
GRAN %	34.8	6.0	63.7	5.0	81.1	6.0
LYMP #	1.1	0.3	2.3	0.4	2.6	0.9
MONO #	0.3	0.3	0.5	0.5	1.4	1.4
GRAN #	0.6	0.2	5.0	0.4	17.0	1.1

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

Avantor BeneSphera™ H32

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	1.9	0.4	7.8	0.8	20.0	2.0
RBC 10 ¹² /l	2.40	0.15	4.49	0.20	5.46	0.25
Hb g/dl	6.1	0.4	13.7	0.5	19.3	0.6
Hb mmol/l	3.8	0.3	8.3	0.4	12.0	0.5
Hct %	18.0	1.5	39.2	2.4	53.0	3.0
Hct l/l	0.180	0.015	0.392	0.024	0.530	0.030
MCV fl	77.1	4.0	85.4	4.0	94.6	4.0
MCH pg	25.5	2.4	30.5	2.8	35.4	2.8
MCH fmol	1.58	0.2	1.85	0.2	2.20	0.2
MCHC g/dl	34.0	3.0	35.0	3.0	36.5	3.0
MCHC mmol/l	21.1	2.0	21.2	2.0	22.6	2.0
RDW-CV %	11.7	3.0	11.4	3.0	10.5	3.0
RDW-SD fl	34.5	5.0	39.4	5.0	41.4	5.0
Plts 10 ⁹ /l	46	20	235	35	506	60
MPV fl	9.9	2.0	9.7	2.0	9.6	2.0
PCT %	0.05	0.02	0.23	0.06	0.49	0.10
PCT ml/l	0.46	0.20	2.27	0.30	4.86	0.40
PDW %	9.0	3.0	12.1	3.0	12.8	3.0
LYMP %	54.9	8.0	27.3	5.0	11.9	4.0
MONO %	14.8	14.8	8.3	8.3	7.0	7.0
GRAN %	30.3	6.0	64.4	8.0	81.1	8.0
LYMP #	1.0	0.2	2.1	0.4	2.4	0.9
MONO #	0.3	0.3	0.6	0.6	1.4	1.4
GRAN #	0.6	0.2	5.0	0.8	16.2	1.1

Medonic CA530, CA620

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	1.8	0.4	6.7	0.8	16.2	2.0
RBC 10 ¹² /l	2.37	0.15	4.56	0.20	5.58	0.25
Hb g/dl	6.2	0.4	13.4	0.5	18.2	0.6
Hb mmol/l	3.9	0.3	8.3	0.4	11.3	0.5
Hct %	16.7	1.5	36.6	2.4	49.6	3.0
Hct l/l	0.167	0.015	0.366	0.024	0.496	0.030
MCV fl	70.4	4.0	80.3	4.0	88.9	4.0
MCH pg	26.3	2.4	29.4	2.8	32.7	2.8
MCH fmol	1.63	0.16	1.82	0.17	2.03	0.19
MCHC g/dl	37.3	3.0	36.6	3.0	36.7	3.0
MCHC mmol/l	23.2	2.0	22.7	2.0	22.8	2.0
RDW %	14.1	3.0	16.9	3.0	16.4	3.0
Plts 10 ⁹ /l	53	20	233	35	449	60
MPV fl	7.5	2.0	8.1	2.0	8.3	2.0
LYMP %	66.9	9.0	36.2	6.0	18.8	4.0
MONO %	9.1	9.1	9.3	9.3	7.7	7.7
GRAN %	24.0	5.0	54.5	9.0	73.5	10.0
LYMP #	1.2	0.2	2.4	0.4	3.0	0.9
MONO #	0.2	0.2	0.6	0.6	1.2	1.2
GRAN #	0.4	0.2	3.7	0.4	11.9	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	7.8	0.8	20.0	2.0
RBC 10 ¹² /l	2.40	0.15	4.49	0.20	5.46	0.25
Hb g/dl	6.1	0.4	13.7	0.5	19.3	0.6
Hb mmol/l	3.8	0.3	8.3	0.4	12.0	0.5
Hct %	18.0	1.5	39.2	2.4	53.0	3.0
Hct l/l	0.180	0.015	0.392	0.024	0.530	0.030
MCV fl	77.1	4.0	85.4	4.0	94.6	4.0
MCH pg	25.5	2.4	30.5	2.8	35.4	2.8
MCH fmol	1.58	0.2	1.85	0.2	2.20	0.2
MCHC g/dl	34.0	3.0	35.0	3.0	36.5	3.0
MCHC mmol/l	21.1	2.0	21.2	2.0	22.6	2.0
RDW-CV %	11.7	3.0	11.4	3.0	10.5	3.0
RDW-SD fl	34.5	5.0	39.4	5.0	41.4	5.0
Plts 10 ⁹ /l	46	20	235	35	506	60
MPV fl	9.9	2.0	9.7	2.0	9.6	2.0
PCT %	0.05	0.02	0.23	0.06	0.49	0.10
PCT ml/l	0.46	0.20	2.27	0.30	4.86	0.40
PDW %	9.0	3.0	12.1	3.0	12.8	3.0
LYMP %	54.9	8.0	27.3	5.0	11.9	4.0
MONO %	14.8	14.8	8.3	8.3	7.0	7.0
GRAN %	30.3	6.0	64.4	8.0	81.1	8.0
LYMP #	1.0	0.2	2.1	0.4	2.4	0.9
MONO #	0.3	0.3	0.6	0.6	1.4	1.4
GRAN #	0.6	0.2	5.0	0.8	16.2	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	7.8	0.8	20.1	2.0
RBC 10 ¹² /l	2.40	0.15	4.73	0.20	5.51	0.25
Hb g/dl	6.1	0.4	13.4	0.5	18.2	0.6
Hb mmol/l	3.8	0.3	8.3	0.4	11.3	0.5
Hct %	18.0	1.5	41.2	2.4	55.3	3.0
Hct l/l	0.180	0.015	0.412	0.024	0.553	0.030
MCV fl	75.1	4.0	87.1	4.0	100.4	4.0
MCH pg	25.5	2.4	28.3	2.8	33.1	2.8
MCH fmol	1.59	0.16	1.76	0.17	2.05	0.19
MCHC g/dl	34.0	3.0	32.5	3.0	32.9	3.0
MCHC mmol/l	21.1	2.0	20.2	2.0	20.4	2.0
RDW %	16.0	3.0	15.6	3.0	14.5	3.0
Plts 10 ⁹ /l	64	20	241	35	460	60
MPV fl	8.0	2.0	8.4	2.0	8.6	2.0
PDW %	17.2	3.0	16.4	3.0	16.8	3.0
LYMP %	59.9	9.0	31.4	4.0	15.7	4.0
MONO %	8.0	8.0	7.4	7.4	5.0	5.0
GRAN %	32.1	5.0	61.2	9.0	79.3	10.0
LYMP #	1.1	0.2	2.4	0.4	3.2	0.9
MONO #	0.2	0.2	0.6	0.6	1.0	1.0
GRAN #	0.6	0.2	4.8	0.4	15.9	1.1

Urit 2900 Plus

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	1.8	0.4	7.8	0.8	22.0	2.0
RBC 10 ¹² /l	2.40	0.15	4.71	0.20	5.86	0.25
Hb g/dl	6.0	0.4	13.1	0.5	17.2	0.6
Hb mmol/l	3.7	0.3	8.1	0.4	10.7	0.5
Hct %	17.4	1.5	37.4	2.4	49.0	3.0
Hct l/l	0.174	0.015	0.374	0.024	0.490	0.030
MCV fl	72.6	4.0	79.4	4.0	83.6	4.0
MCH pg	25.1	2.4	27.8	2.8	29.4	2.8
MCH fmol	1.56	0.2	1.73	0.2	1.82	0.2
MCHC g/dl	34.6	3.0	35.0	3.0	35.1	3.0
MCHC mmol/l	21.5	2.0	21.7	2.0	21.8	2.0
RDW-CV %	14.5	3.0	14.6	3.0	14.2	3.0
RDW-SD fl	20.5	5.0	29.4	5.0	41.4	5.0
Plts 10 ⁹ /l	53	20	227	35	386	60
MPV fl	16.9	2.0	13.6	2.0	13.0	2.0
PCT %	0.09	0.02	0.31	0.06	0.50	0.10
PCT ml/l	0.90	0.20	3.08	0.30	5.02	0.40
PDW %	13.5	3.0	13.8	3.0	14.3	3.0
LYMP %	59.9	8.0	29.5	5.0	12.7	4.0
MONO %	8.0	8.0	5.1	5.1	4.3	4.3
GRAN %	32.1	6.0	65.4	8.0	83.0	8.0
LYMP #	1.1	0.2	2.3	0.4	2.8	0.9
MONO #	0.1	0.1	0.4	0.4	0.9	0.9
GRAN #	0.6	0.2	5.1	0.8	18.3	1.1

LOT : 213
 : 2015-11-19

Mindray BC-3200, BC-3000CT

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.0	0.5	8.1	1.0	21.3	2.5
RBC 10 ¹² /l	2.47	0.18	4.72	0.24	5.85	0.30
Hb g/dl	6.2	0.4	13.7	0.6	19.1	0.8
Hb mmol/l	3.8	0.3	8.5	0.4	11.9	0.5
Hct %	18.6	1.5	40.8	2.0	56.2	2.4
Hct l/l	0.186	0.015	0.408	0.020	0.562	0.024
MCV fl	75.5	5.0	86.5	5.0	96.0	5.0
MCH pg	25.1	2.5	29.0	2.5	32.6	2.5
MCH fmol	1.56	0.16	1.80	0.17	2.03	0.19
MCHC g/dl	33.2	3.0	33.6	3.0	34.0	3.0
MCHC mmol/l	20.7	2.0	20.8	2.0	21.1	2.0
RDW-CV	14.0	3.0	13.5	3.0	12.5	3.0
RDW-SD	36.4	6.0	40.0	6.0	40.0	8.0
Plts 10 ⁹ /l	64	20	252	40	505	60
MPV fl	8.3	3.0	8.2	3.0	8.1	3.0
LYMP %	58.0	12.0	27.5	8.0	12.5	6.0
MONO %	11.0	9.0	8.0	7.0	6.0	5.0
GRAN %	31.0	10.0	64.5	8.0	81.5	8.0
LYMP #	1.2	0.3	2.2	0.7	2.7	1.4
MONO #	0.2	0.2	0.6	0.6	1.3	1.1
GRAN #	0.6	0.3	5.2	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	7.6	1.0	20.2	2.5
RBC 10 ¹² /l	2.39	0.18	4.60	0.24	5.68	0.30
Hb g/dl	6.2	0.4	13.9	0.6	19.0	0.8
Hb mmol/l	3.8	0.3	8.6	0.4	11.8	0.5
Hct %	17.8	1.5	39.6	2.0	54.0	2.4
Hct l/l	0.178	0.015	0.396	0.020	0.540	0.024
MCV fl	74.5	5.0	86.0	5.0	95.0	5.0
MCH pg	25.9	2.5	30.2	2.5	33.5	2.5
MCH fmol	1.61	0.16	1.88	0.17	2.08	0.19
MCHC g/dl	34.8	3.0	35.1	3.0	35.2	3.0
MCHC mmol/l	21.6	2.0	21.8	2.0	21.8	2.0
RDW-CV	16.0	3.0	15.5	3.0	14.2	3.0
RDW-SD	40.0	6.0	45.5	6.0	46.0	8.0
Plts 10 ⁹ /l	64	20	248	40	495	60
MPV fl	9.5	3.0	9.9	3.0	9.6	3.0
PCT %	0.06	0.05	0.25	0.10	0.47	0.20
PCT ml/l	0.60	0.50	2.50	1.00	4.70	2.00
PDW fl	14.7	3.0	15.0	3.0	14.9	3.0
LYMP %	59.7	10.0	30.0	8.0	14.3	7.0
MONO %	9.3	6.0	6.5	6.0	4.7	4.0
GRAN %	31.0	9.0	63.5	9.0	81.0	8.0
LYMP #	1.2	0.3	2.3	0.7	2.9	1.5
MONO #	0.2	0.2	0.5	0.5	0.9	0.7
GRAN #	0.6	0.3	4.8	0.7	16.4	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	7.5	1.0	19.8	2.5
RBC 10 ¹² /l	2.50	0.18	4.75	0.24	5.91	0.30
Hb g/dl	6.3	0.4	13.7	0.6	19.0	0.8
Hb mmol/l	3.9	0.3	8.5	0.4	11.8	0.5
Hct %	18.8	1.5	40.4	2.0	54.7	2.4
Hct l/l	0.188	0.015	0.404	0.020	0.547	0.024
MCV fl	75.0	5.0	85.0	5.0	92.5	5.0
MCH pg	25.2	2.5	28.8	2.5	32.1	2.5
MCH fmol	1.56	0.16	1.79	0.17	2.00	0.19
MCHC g/dl	33.6	3.0	33.9	3.0	34.8	3.0
MCHC mmol/l	20.8	2.0	21.0	2.0	21.6	2.0
RDW-CV	16.0	3.0	15.2	3.0	14.0	3.0
RDW-SD	33.5	8.0	40.0	8.0	41.0	8.0
Plts 10 ⁹ /l	60	20	257	40	540	60
MPV fl	9.0	3.0	8.8	3.0	8.8	3.0
PCT %	0.05	0.05	0.23	0.10	0.49	0.20
PCT ml/l	0.50	0.50	2.30	1.00	4.90	2.00
PDW fl	15.2	3.0	15.5	3.0	15.8	3.0
P-LCC	20.0	10.0	77.0	22.0	155.0	30.0
P-LCR	32.0	9.0	30.5	9.0	29.0	9.0
LYMP %	58.2	9.0	28.5	8.0	13.5	8.0
MONO %	12.8	8.0	8.2	6.0	5.8	4.0
GRAN %	29.0	9.0	63.3	8.0	80.7	8.0
LYMP #	1.1	0.3	2.1	0.6	2.7	1.7
MONO #	0.2	0.2	0.6	0.5	1.1	0.8
GRAN #	0.6	0.3	4.7	0.7	16.0	1.8

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	2.1	0.5	7.9	1.0	20.6	2.5
RBC 10 ¹² /l	2.54	0.18	4.74	0.24	5.88	0.30
Hb g/dl	6.2	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 %	19.1	1.5	41.2	2.0	56.2	2.4
Hct l/l	0.191	0.015	0.412	0.020	0.562	0.024
MCV fl	75.0	5.0	87.0	5.0	95.5	5.0
MCH pg	24.4	2.5	29.1	2.5	32.1	2.5
MCH fmol	1.51	0.16	1.81	0.17	1.99	0.19
MCHC g/dl	32.5	3.0	33.5	3.0	33.7	3.0
MCHC mmol/l	20.1	2.0	20.8	2.0	20.9	2.0
RDW-CV	16.0	3.0	15.2	3.0	14.0	3.0
RDW-SD	35.7	6.0	38.5	6.0	40.0	8.0
Plts 10 ⁹ /l	68	20	252	40	510	60
MPV fl	8.5	3.0	8.0	3.0	7.8	3.0
PCT %	0.06	0.05	0.20	0.10	0.40	0.20
PCT ml/l	0.60	0.50	2.00	1.00	4.00	2.00
PDW fl	16.8	3.0	16.3	3.0	16.2	3.0
LYMP %	56.0	12.0	28.0	8.0	12.3	6.0
MONO %	11.7	8.0	8.0	7.0	6.3	5.0
GRAN %	32.3	9.0	64.0	8.0	81.4	8.0
LYMP #	1.2	0.3	2.2	0.7	2.5	1.3
MONO #	0.2	0.2	0.6	0.6	1.3	1.1
GRAN #	0.7	0.3	5.1	0.7	16.8	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	7.8	1.0	19.4	2.5
RBC 10 ¹² /l	2.25	0.18	4.42	0.24	5.60	0.30
Hb g/dl **	6.3	0.4	14.3	0.6	19.6	0.8
Hb mmol/l **	3.9	0.3	8.9	0.4	12.2	0.5
Hct %	18.3	1.5	39.9	2.0	54.7	2.4
Hct l/l	0.183	0.015	0.399	0.020	0.547	0.024
MCV fl	81.1	5.0	90.4	5.0	97.6	5.0
MCH pg **	28.1	2.5	32.4	2.5	35.0	2.5
MCH fmol **	1.75	0.16	2.01	0.17	2.17	0.19
MCHC g/dl **	34.7	3.0	35.8	3.0	35.9	3.0
MCHC mmol/l **	21.5	2.0	22.2	2.0	22.3	2.0
RDW-CV	14.8	3.0	14.9	3.0	14.3	3.0
RDW-SD	42.9	6.0	47.9	6.0	49.7	8.0
Plts 10 ⁹ /l	61	20	229	40	464	60
MPV fl	8.7	3.0	9.2	3.0	9.1	3.0
LYMP %	60.2	12.0	28.4	8.0	13.2	6.0
MONO %	11.3	11.3	7.4	7.4	5.0	5.0
GRAN %	28.5	9.0	64.2	8.0	81.8	8.0
LYMP #	1.3	0.3	2.2	0.7	2.6	1.3
MONO #	0.2	0.2	0.6	0.6	1.0	1.0
GRAN #	0.6	0.3	5.0	0.7	15.9	1.7

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

Hb g/dl	6.0	0.4	13.3	0.6	18.3	0.8
Hb mmol/l	3.7	0.3	8.3	0.4	11.4	0.5
MCH pg	26.8	2.5	30.1	2.5	32.7	2.5
MCH fmol	1.66	0.16	1.87	0.17	2.03	0.19
MCHC g/dl	33.0	3.0	33.3	3.0	33.5	3.0
MCHC mmol/l	20.5	2.0	20.7	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	7.9	1.0	21.2	2.5
RBC 10 ¹² /l	2.39	0.18	4.60	0.24	5.62	0.30
Hb g/dl	6.4	0.4	13.7	0.6	18.8	0.8
Hb mmol/l	4.0	0.3	8.5	0.4	11.6	0.5
Hct %	17.5	1.5	38.8	2.0	52.2	2.4
Hct l/l	0.175	0.015	0.388	0.020	0.522	0.024
MCV fl	73.0	5.0	84.3	5.0	92.9	5.0
MCH pg	26.7	2.5	29.8	2.5	33.4	2.5
MCH fmol	1.66	0.16	1.85	0.16	2.07	0.16
MCHC g/dl	36.6	3.0	35.4	3.0	35.9	3.0
MCHC mmol/l	22.7	1.9	22.0	1.9	22.3	1.9
RDW-CV	14.0	3.0	13.5	3.0	12.4	3.0
RDW-SD	34.4	8.0	38.9	8.0	38.3	8.0
Plts 10 ⁹ /l	50	20	240	40	516	60
MPV fl	10.4	3.0	10.5	3.0	10.6	3.0
PCT %	0.05	0.05	0.25	0.10	0.54	0.20
PCT ml/l	0.52	0.52	2.51	1.00	5.44	2.00
PDW fl	14.4	3.0	14.8	3.0	15.7	3.0
LYMP %	59.5	10.0	30.4	8.0	13.9	7.0
MONO %	10.4	10.4	7.8	7.8	7.0	7.0
GRAN %	30.1	9.0	61.8	9.0	79.2	8.0
LYMP #	1.1	0.2	2.4	0.7	2.9	1.5
MONO #	0.2	0.2	0.6	0.6	1.5	1.5
GRAN #	0.6	0.2	4.9	0.7	16.8	1.7