Assay values 3-Diff Controls
Combined US and SI Units

D0000803
Version 23.0

2ºC 8ºC IVD CE

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

LOT : 212

: 2015-08-19

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	2.3	0.4	8.0	0.8	20.8	2.0
RBC 10^{12}/l	2.40	0.15	4.57	0.20	5.73	0.25
Hb g/dl	6.0	0.4	13.5	0.5	18.3	0.6
Hb mmol/l	3.7	0.3	8.4	0.4	11.4	0.5
Hct %	18.1	1.5	39.2	2.4	53.6	3.0
Hct l/l	0.181	0.015	0.392	0.024	0.536	0.030
MCV fl	75.6	4.0	85.9	4.0	93.6	4.0
MCH pg	25.1	2.4	29.5	2.8	32.0	2.8
MCH fmol	1.56	0.16	1.83	0.17	1.98	0.19
MCHC g/dl	33.2	3.0	34.4	3.0	34.2	3.0
MCHC mmol/l	20.6	2.0	21.3	2.0	21.2	2.0
RDW %	16.5	3.0	16.1	3.0	14.5	3.0
Plts 10^9/l	63	20	260	35	533	60
MPV fl	8.2	2.0	8.4	2.0	9.0	2.0
PDW %	17.2	3.0	16.4	3.0	16.8	3.0
LYMP %	58.2	6.0	33.4	4.0	16.7	4.0
MONO %	14.8	14.8	8.4	8.4	5.0	5.0
GRAN %	27.0	5.0	58.2	5.0	78.3	5.0
LYMP #	1.3	0.2	2.7	0.4	3.5	0.9
MONO #	0.3	0.3	0.7	0.7	1.0	1.0
GRAN #	0.6	0.2	4.7	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	2.4	0.4	7.5	0.8	19.3	2.0
RBC 10^{12}/l	2.41	0.15	4.53	0.20	5.72	0.25
Hb g/dl	5.7	0.4	13.5	0.5	18.3	0.6
Hb mmol/l	3.5	0.3	8.4	0.4	11.3	0.5
Hct %	16.9	1.5	37.8	2.4	53.0	3.0
Hct l/l	0.169	0.015	0.378	0.024	0.530	0.030
MCV fl	70.2	4.0	83.5	4.0	92.6	4.0
MCH pg	23.8	2.4	29.8	2.8	31.9	2.8
MCH fmol	1.47	0.16	1.85	0.17	1.98	0.19
MCHC g/dl	33.9	3.0	35.7	3.0	34.4	3.0
MCHC mmol/l	21.0	2.0	22.1	2.0	21.4	2.0
RDW %	15.1	3.0	16.5	3.0	14.9	3.0
Plts 10^9/l	69	20	257	35	498	60
MPV fl	7.8	2.0	8.0	2.0	8.5	2.0
LYMP %	50.4	6.0	29.6	4.0	15.2	4.0
MONO %	14.1	14.1	8.3	8.3	3.9	3.9
GRAN %	35.5	5.0	62.1	5.0	80.9	5.0
LYMP #	1.2	0.2	2.2	0.4	2.9	0.9
MONO #	0.3	0.3	0.6	0.6	0.8	0.8
GRAN #	0.8	0.2	4.7	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	2.5	0.4	7.7	0.8	18.7	2.0
RBC 10^{12}/l	2.43	0.15	4.53	0.20	5.62	0.25
Hb g/dl	5.9	0.4	13.3	0.5	18.1	0.6
Hb mmol/l	3.7	0.3	8.3	0.4	11.2	0.5
Hct %	18.4	1.5	39.4	2.4	53.2	3.0
Hct l/l	0.184	0.015	0.394	0.024	0.532	0.030
MCV fl	75.6	4.0	86.9	4.0	94.6	4.0
MCH pg	24.4	2.4	29.4	2.8	32.2	2.8
MCH fmol	1.51	0.16	1.82	0.17	2.00	0.19
MCHC g/dl	32.3	3.0	33.8	3.0	34.1	3.0
MCHC mmol/l	20.0	2.0	21.0	2.0	21.1	2.0
Plts 10^9/l	59	20	255	35	520	60
MPV fl	9.1	2.0	8.9	2.0	9.2	2.0
LYMP %	58.2	6.0	33.4	4.0	16.7	4.0
MID %	14.8	14.8	8.4	8.4	5.0	5.0
GRAN %	27.0	5.0	58.2	5.0	78.3	5.0
LYMP #	1.5	0.2	2.6	0.4	3.1	0.9
MID #	0.4	0.4	0.6	0.6	0.9	0.9
GRAN #	0.7	0.2	4.5	0.4	14.6	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 %	62.9	6.0	39.8	4.0	19.8	4.0
MONO %	13.6	13.6	9.6	9.6	6.4	6.4
GRAN %	23.5	5.0	50.7	5.0	73.8	5.0
LYMP #	1.4	0.2	3.2	0.4	4.1	0.9
MONO #	0.3	0.3	0.8	0.8	1.3	1.3
GRAN #	0.5	0.2	4.1	0.4	15.3	1.1

Coulter Counter: AcT diff, AcT diff 2

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.3	0.4	8.0	0.8	20.7	2.0
RBC 10^{12}/l	2.40	0.15	4.57	0.20	5.73	0.25
Hb g/dl	6.0	0.4	13.5	0.5	18.3	0.6
Hb mmol/l	3.7	0.3	8.4	0.4	11.4	0.5
Hct %	18.1	1.5	39.7	2.4	54.2	3.0
Hct l/l	0.181	0.015	0.397	0.024	0.542	0.030
MCV fl	75.6	4.0	86.9	4.0	94.6	4.0
MCH pg	25.1	2.4	29.5	2.8	32.0	2.8
MCH fmol	1.56	0.16	1.83	0.17	1.98	0.19
MCHC g/dl	33.2	3.0	34.0	3.0	33.8	3.0
MCHC mmol/l	20.6	2.0	21.1	2.0	21.0	2.0
RDW %	16.5	3.0	16.1	3.0	14.5	3.0
Plts 10^9/l	63	20	258	35	531	60
MPV fl	8.2	2.0	8.4	2.0	9.0	2.0
LYMP %	59.9	6.0	33.0	4.0	15.4	4.0
MONO %	12.0	12.0	6.8	6.8	4.1	4.1
GRAN %	28.1	5.0	60.2	5.0	80.5	5.0
LYMP #	1.4	0.2	2.6	0.4	3.2	0.9
MONO #	0.3	0.3	0.5	0.5	0.8	0.8
GRAN #	0.6	0.2	4.8	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 %	46.3	6.0	24.9	4.0	10.9	4.0
LYMP #	1.0	0.2	2.0	0.4	2.3	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	2.3	0.4	8.0	0.8	20.8	2.0
RBC 10^{12}/l	2.38	0.15	4.57	0.20	5.64	0.25
Hb g/dl	6.2	0.4	13.8	0.5	19.1	0.6
Hb mmol/l	3.8	0.3	8.6	0.4	11.8	0.5
Hct %	18.0	1.5	39.9	2.4	55.6	3.0
Hct l/l	0.180	0.015	0.399	0.024	0.556	0.030
MCV fl	75.6	4.0	87.3	4.0	98.6	4.0
MCH pg	25.8	2.4	30.2	2.8	33.8	2.8
MCH fmol	1.60	0.16	1.87	0.17	2.10	0.19
MCHC g/dl	34.2	3.0	34.5	3.0	34.3	3.0
MCHC mmol/l	21.2	2.0	21.4	2.0	21.3	2.0
RDW %	15.4	3.0	15.5	3.0	13.7	3.0
Plts 10^9/l	64	20	264	35	554	60
MPV fl	8.2	2.0	7.3	2.0	7.4	2.0
LYMP %	62.0	8.0	34.7	4.0	19.5	4.0
MONO %	18.5	18.5	9.1	9.1	4.8	4.8
GRAN %	19.5	8.0	56.2	5.0	75.7	5.0
LYMP #	1.4	0.2	2.8	0.4	4.1	0.9
MONO #	0.4	0.4	0.7	0.7	1.0	1.0
GRAN #	0.5	0.4	4.5	0.4	15.7	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	2.2	0.4	8.0	0.8	19.8	2.0
RBC 10^{12}/l	2.40	0.15	4.57	0.20	5.73	0.25
Hb g/dl	5.8	0.4	13.5	0.5	18.3	0.6
Hb mmol/l	3.6	0.3	8.4	0.4	11.4	0.5
Hct %	17.6	1.5	39.7	2.4	54.4	3.0
Hct l/l	0.176	0.015	0.397	0.024	0.544	0.030
MCV fl	73.4	4.0	86.9	4.0	95.0	4.0
MCH pg	24.3	2.4	29.5	2.8	32.0	2.8
MCH fmol	1.51	0.16	1.83	0.17	1.98	0.19
MCHC g/dl	33.1	3.0	34.0	3.0	33.6	3.0
MCHC mmol/l	20.5	2.0	21.1	2.0	20.9	2.0
RDW	14.6	3.0	13.5	3.0	12.1	3.0
Plts 10^9/l	63	20	242	35	494	60
MPV fl	8.2	2.0	8.4	2.0	9.0	2.0
LYMP %	56.2	6.0	30.2	4.0	15.3	4.0
MONO %	13.80	13.73	5.30	5.24	3.00	2.94
GRAN %	30.0	5.0	64.5	5.0	81.7	5.0
LYMP #	1.2	0.2	2.4	0.4	3.0	0.9
MONO #	0.30	0.23	0.42	0.36	0.59	0.53
GRAN #	0.7	0.2	5.2	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 %	70.7	6.0	41.9	4.0	20.9	4.0
MONO %	11.9	11.9	8.9	8.9	6.1	6.1
GRAN %	17.4	5.0	49.2	5.0	73.0	5.0
LYMP #	1.6	0.2	3.4	0.4	4.3	0.9
MONO #	0.3	0.3	0.7	0.7	1.3	1.3
GRAN #	0.4	0.2	3.9	0.4	15.2	1.1

Assay values 3-Diff Controls
Combined US and SI Units

D0000803
Version 23.0

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

LOT : 212

: 2015-08-19

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	0.5	8.0	0.8	21.2	2.0
RBC 10^{12}/l	2.45	0.15	4.68	0.20	6.02	0.25
Hb g/dl	6.1	0.4	13.7	0.5	18.9	0.6
Hb mmol/l	3.8	0.3	8.5	0.4	11.7	0.5
Hct %	18.9	1.5	41.8	2.4	59.1	3.0
Hct l/l	0.189	0.015	0.418	0.024	0.591	0.030
MCV fl	77.1	5.0	89.3	5.0	98.3	5.0
MCH pg	24.9	2.4	29.3	2.8	31.4	2.8
MCH fmol	1.54	0.16	1.82	0.17	1.95	0.19
MCHC g/dl	32.3	3.0	32.8	3.0	31.9	3.0
MCHC mmol/l	20.0	2.0	20.3	2.0	19.8	2.0
RDW-SD fl	56.8	5.0	62.0	5.0	62.0	5.0
RDW-CV %	16.2	3.0	15.3	3.0	13.9	3.0
Plts 10^9/l	63	20	260	35	513	60
MPV fl	8.2	2.0	8.7	2.0	9.5	2.0
PCT %	0.05	0.02	0.23	0.06	0.48	0.10
PCT ml/l	0.52	0.20	2.27	0.30	4.85	0.40
PDW-SD fl	12.4	2.5	12.7	2.5	14.3	2.5
PDW-CV %	35.3	5.0	36.9	5.0	38.4	5.0
LYMP %	54.2	6.0	31.3	4.0	13.3	4.0
MONO %	12.0	12.0	7.7	7.7	6.4	6.4
GRAN %	33.8	6.0	60.9	5.0	80.3	6.0
LYMP #	1.2	0.3	2.5	0.4	2.8	0.9
MONO #	0.4	0.4	0.6	0.6	1.4	1.4
GRAN #	0.6	0.2	4.9	0.4	17.0	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	2.0	0.4	6.9	0.8	16.4	2.0
RBC 10^{12}/l	2.37	0.15	4.54	0.20	5.65	0.25
Hb g/dl	6.1	0.4	13.5	0.5	18.3	0.6
Hb mmol/l	3.8	0.3	8.4	0.4	11.4	0.5
Hct %	16.8	1.5	37.1	2.4	50.8	3.0
Hct l/l	0.168	0.015	0.371	0.024	0.508	0.030
MCV fl	70.9	4.0	81.8	4.0	89.9	4.0
MCH pg	25.9	2.4	29.7	2.8	32.4	2.8
MCH fmol	1.61	0.16	1.85	0.17	2.01	0.19
MCHC g/dl	36.5	3.0	36.4	3.0	36.1	3.0
MCHC mmol/l	22.6	2.0	22.6	2.0	22.4	2.0
RDW %	14.6	3.0	17.4	3.0	16.4	3.0
Plts 10^9/l	62	20	246	35	474	60
MPV fl	7.7	2.0	8.1	2.0	8.7	2.0
LYMP %	64.9	9.0	38.2	6.0	19.8	4.0
MONO %	12.6	12.6	10.3	10.3	7.7	7.7
GRAN %	22.5	5.0	51.5	9.0	72.5	10.0
LYMP #	1.3	0.2	2.6	0.4	3.2	0.9
MONO #	0.3	0.3	0.7	0.7	1.3	1.3
GRAN #	0.5	0.2	3.6	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	2.1	0.4	8.0	0.8	20.2	2.0
RBC 10^{12}/l	2.40	0.15	4.47	0.20	5.53	0.25
Hb g/dl	6.0	0.4	13.8	0.5	19.4	0.6
Hb mmol/l	3.7	0.3	8.4	0.4	12.1	0.5
Hct %	18.1	1.5	39.7	2.4	54.2	3.0
Hct l/l	0.181	0.015	0.397	0.024	0.542	0.030
MCV fl	77.6	4.0	86.9	4.0	95.6	4.0
MCH pg	25.1	2.4	30.9	2.8	35.1	2.8
MCH fmol	1.56	0.2	1.87	0.2	2.18	0.2
MCHC g/dl	33.2	3.0	34.8	3.0	35.8	3.0
MCHC mmol/l	20.6	2.0	21.1	2.0	22.2	2.0
RDW-CV %	12.2	3.0	11.9	3.0	10.5	3.0
RDW-SD fl	36.5	5.0	42.4	5.0	42.0	5.0
Plts 10^9/l	55	20	248	35	531	60
MPV fl	10.1	2.0	9.7	2.0	10.0	2.0
PCT %	0.06	0.02	0.24	0.06	0.53	0.10
PCT ml/l	0.56	0.20	2.40	0.30	5.31	0.40
PDW %	9.0	3.0	12.1	3.0	12.8	3.0
LYMP %	52.9	8.0	29.3	5.0	12.9	4.0
MONO %	18.3	18.3	9.3	9.3	7.0	7.0
GRAN %	28.8	6.0	61.4	8.0	80.1	8.0
LYMP #	1.1	0.2	2.3	0.4	2.6	0.9
MONO #	0.4	0.4	0.7	0.7	1.4	1.4
GRAN #	0.6	0.2	4.9	0.8	16.2	1.1

Avantor BeneSphera™ H32

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.1	0.4	8.0	0.8	20.2	2.0
RBC 10^{12}/l	2.40	0.15	4.47	0.20	5.53	0.25
Hb g/dl	6.0	0.4	13.8	0.5	19.4	0.6
Hb mmol/l	3.7	0.3	8.4	0.4	12.1	0.5
Hct %	18.1	1.5	39.7	2.4	54.2	3.0
Hct l/l	0.181	0.015	0.397	0.024	0.542	0.030
MCV fl	77.6	4.0	86.9	4.0	95.6	4.0
MCH pg	25.1	2.4	30.9	2.8	35.1	2.8
MCH fmol	1.56	0.2	1.87	0.2	2.18	0.2
MCHC g/dl	33.2	3.0	34.8	3.0	35.8	3.0
MCHC mmol/l	20.6	2.0	21.1	2.0	22.2	2.0
RDW-CV %	12.2	3.0	11.9	3.0	10.5	3.0
RDW-SD fl	36.5	5.0	42.4	5.0	42.0	5.0
Plts 10^9/l	55	20	248	35	531	60
MPV fl	10.1	2.0	9.7	2.0	10.0	2.0
PCT %	0.06	0.02	0.24	0.06	0.53	0.10
PCT ml/l	0.56	0.20	2.40	0.30	5.31	0.40
PDW %	9.0	3.0	12.1	3.0	12.8	3.0
LYMP %	52.9	8.0	29.3	5.0	12.9	4.0
MONO %	18.3	18.3	9.3	9.3	7.0	7.0
GRAN %	28.8	6.0	61.4	8.0	80.1	8.0
LYMP #	1.1	0.2	2.3	0.4	2.6	0.9
MONO #	0.4	0.4	0.7	0.7	1.4	1.4
GRAN #	0.6	0.2	4.9	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	2.0	0.4	8.0	0.8	20.3	2.0
RBC 10^{12}/l	2.40	0.15	4.71	0.20	5.58	0.25
Hb g/dl	6.0	0.4	13.5	0.5	18.3	0.6
Hb mmol/l	3.7	0.3	8.4	0.4	11.4	0.5
Hct %	18.1	1.5	41.7	2.4	56.6	3.0
Hct l/l	0.181	0.015	0.417	0.024	0.566	0.030
MCV fl	75.6	4.0	88.6	4.0	101.4	4.0
MCH pg	25.1	2.4	28.7	2.8	32.8	2.8
MCH fmol	1.56	0.16	1.78	0.17	2.04	0.19
MCHC g/dl	33.2	3.0	32.4	3.0	32.4	3.0
MCHC mmol/l	20.6	2.0	20.1	2.0	20.1	2.0
RDW %	16.5	3.0	16.1	3.0	14.5	3.0
Plts 10^9/l	73	20	254	35	485	60
MPV fl	8.2	2.0	8.4	2.0	9.0	2.0
PDW %	17.2	3.0	16.4	3.0	16.8	3.0
LYMP %	57.9	9.0	33.4	4.0	16.7	4.0
MONO %	11.5	11.5	8.4	8.4	5.0	5.0
GRAN %	30.6	5.0	58.2	9.0	78.3	10.0
LYMP #	1.2	0.2	2.7	0.4	3.4	0.9
MONO #	0.3	0.3	0.7	0.7	1.0	1.0
GRAN #	0.6	0.2	4.7	0.4	15.9	1.1

Urit 2900 Plus

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.0	0.4	8.0	0.8	22.2	2.0
RBC 10^{12}/l	2.40	0.15	4.69	0.20	5.93	0.25
Hb g/dl	5.9	0.4	13.2	0.5	17.3	0.6
Hb mmol/l	3.7	0.3	8.2	0.4	10.7	0.5
Hct %	17.5	1.5	37.9	2.4	50.2	3.0
Hct l/l	0.175	0.015	0.379	0.024	0.502	0.030
MCV fl	73.1	4.0	80.9	4.0	84.6	4.0
MCH pg	24.7	2.4	28.1	2.8	29.2	2.8
MCH fmol	1.53	0.2	1.75	0.2	1.81	0.2
MCHC g/dl	33.8	3.0	34.8	3.0	34.5	3.0
MCHC mmol/l	21.0	2.0	21.6	2.0	21.4	2.0
RDW-CV %	15.0	3.0	15.1	3.0	14.2	3.0
RDW-SD fl	22.5	5.0	32.4	5.0	42.0	5.0
Plts 10^9/l	62	20	240	35	411	60
MPV fl	17.1	2.0	13.6	2.0	13.4	2.0
PCT %	0.11	0.02	0.33	0.06	0.55	0.10
PCT ml/l	1.06	0.20	3.26	0.30	5.50	0.40
PDW %	13.5	3.0	13.8	3.0	14.3	3.0
LYMP %	57.9	8.0	31.5	5.0	13.7	4.0
MONO %	11.5	11.5	6.1	6.1	4.3	4.3
GRAN %	30.6	6.0	62.4	8.0	82.0	8.0
LYMP #	1.2	0.2	2.5	0.4	3.0	0.9
MONO #	0.2	0.2	0.5	0.5	1.0	1.0
GRAN #	0.6	0.2	5.0	0.8	18.2	1.1

Assay values 3-Diff Controls
Combined US and SI Units

D0000803
Version 23.0

LOT	:	212

: 2015-08-19

Mindray BC-3200, BC-3000CT

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.2	0.5	8.3	1.0	21.5	2.5
RBC 10^{12}/l	2.47	0.18	4.70	0.24	5.92	0.30
Hb g/dl	6.1	0.4	13.8	0.6	19.2	0.8
Hb mmol/l	3.8	0.3	8.6	0.4	11.9	0.5
Hct %	18.8	1.5	41.4	2.0	57.4	2.4
Hct l/l	0.188	0.015	0.414	0.020	0.574	0.024
MCV fl	76.0	5.0	88.0	5.0	97.0	5.0
MCH pg	24.7	2.5	29.4	2.5	32.4	2.5
MCH fmol	1.53	0.16	1.82	0.17	2.01	0.19
MCHC g/dl	32.5	3.0	33.4	3.0	33.4	3.0
MCHC mmol/l	20.1	2.0	20.7	2.0	20.8	2.0
RDW-CV	14.5	3.0	14.0	3.0	12.5	3.0
RDW-SD	36.5	6.0	40.0	6.0	40.0	8.0
Plts 10^9/l	73	20	265	40	530	60
MPV fl	8.5	3.0	8.2	3.0	8.5	3.0
LYMP %	56.0	12.0	29.5	8.0	13.5	6.0
MONO %	14.5	9.0	9.0	7.0	6.0	5.0
GRAN %	29.5	10.0	61.5	8.0	80.5	8.0
LYMP #	1.2	0.3	2.4	0.7	2.9	1.3
MONO #	0.3	0.2	0.7	0.6	1.3	1.1
GRAN #	0.6	0.3	5.1	0.7	17.3	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	2.1	0.5	7.9	1.0	20.7	2.5
RBC 10^{12}/l	2.35	0.18	4.56	0.24	5.73	0.30
Hb g/dl	6.0	0.4	13.9	0.6	19.2	0.8
Hb mmol/l	3.7	0.3	8.6	0.4	11.9	0.5
Hct %	17.6	1.5	39.7	2.0	55.3	2.4
Hct l/l	0.176	0.015	0.397	0.020	0.553	0.024
MCV fl	75.0	5.0	87.0	5.0	96.5	5.0
MCH pg	25.5	2.5	30.5	2.5	33.5	2.5
MCH fmol	1.58	0.16	1.89	0.17	2.08	0.19
MCHC g/dl	34.0	3.0	35.0	3.0	34.7	3.0
MCHC mmol/l	21.2	2.0	21.7	2.0	21.5	2.0
RDW-CV	16.5	3.0	15.5	3.0	14.5	3.0
RDW-SD	42.0	6.0	45.0	6.0	46.0	8.0
Plts 10^9/l	72	20	264	40	536	60
MPV fl	10.2	3.0	9.8	3.0	10.1	3.0
PCT %	0.07	0.05	0.25	0.10	0.53	0.20
PCT ml/l	0.70	0.50	2.50	1.00	5.30	2.00
PDW fl	15.0	3.0	14.8	3.0	14.9	3.0
LYMP %	59.5	10.0	31.0	8.0	15.0	7.0
MONO %	11.5	6.0	7.5	6.0	4.5	4.0
GRAN %	29.0	9.0	61.5	9.0	80.5	8.0
LYMP #	1.2	0.3	2.4	0.7	3.1	1.5
MONO #	0.2	0.2	0.6	0.5	0.9	0.8
GRAN #	0.6	0.2	4.9	0.8	16.7	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	20.4	2.5
RBC 10^{12}/l	2.44	0.18	4.68	0.24	5.88	0.30
Hb g/dl	6.1	0.4	13.6	0.6	18.9	0.8
Hb mmol/l	3.8	0.3	8.4	0.4	11.7	0.5
Hct %	18.7	1.5	40.5	2.0	55.6	2.4
Hct l/l	0.187	0.015	0.405	0.020	0.556	0.024
MCV fl	76.5	5.0	86.5	5.0	94.5	5.0
MCH pg	25.0	2.5	29.1	2.5	32.1	2.5
MCH fmol	1.55	0.16	1.80	0.17	1.99	0.19
MCHC g/dl	32.7	3.0	33.6	3.0	34.0	3.0
MCHC mmol/l	20.2	2.0	20.8	2.0	21.1	2.0
RDW-CV	16.0	3.0	15.0	3.0	14.0	3.0
RDW-SD	35.0	6.0	40.0	6.0	40.0	8.0
Plts 10^9/l	68	20	268	40	553	60
MPV fl	9.5	3.0	9.2	3.0	9.4	3.0
PCT %	0.06	0.05	0.24	0.10	0.52	0.20
PCT ml/l	0.60	0.50	2.40	1.00	5.20	2.00
PDW fl	15.3	3.0	15.4	3.0	15.7	3.0
P-LCC	23.0	10.0	82.0	22.0	182.0	30.0
P-LCR	35.0	9.0	30.5	9.0	33.0	9.0
LYMP %	57.5	12.0	30.0	8.0	14.5	8.0
MONO %	15.0	8.0	9.0	6.0	6.5	4.0
GRAN %	27.5	9.0	61.0	8.0	79.0	8.0
LYMP #	1.2	0.3	2.3	0.7	3.0	1.7
MONO #	0.3	0.2	0.7	0.5	1.3	0.8
GRAN #	0.6	0.2	4.7	0.7	16.1	1.7

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	8.1	1.0	21.0	2.5
RBC 10^{12}/l	2.50	0.18	4.74	0.24	5.90	0.30
Hb g/dl	6.1	0.4	14.0	0.6	19.1	0.8
Hb mmol/l	3.8	0.3	8.7	0.4	11.9	0.5
Hct %	18.8	1.5	41.5	2.0	56.9	2.4
Hct l/l	0.188	0.015	0.415	0.020	0.569	0.024
MCV fl	75.0	5.0	87.5	5.0	96.5	5.0
MCH pg	24.4	2.5	29.5	2.5	32.4	2.5
MCH fmol	1.51	0.16	1.83	0.17	2.01	0.19
MCHC g/dl	32.5	3.0	33.8	3.0	33.5	3.0
MCHC mmol/l	20.1	2.0	20.9	2.0	20.8	2.0
RDW-CV	16.0	3.0	15.5	3.0	14.0	3.0
RDW-SD	36.0	6.0	40.0	6.0	40.0	8.0
Plts 10^9/l	75	20	267	40	521	60
MPV fl	9.0	3.0	8.2	3.0	8.5	3.0
PCT %	0.06	0.05	0.21	0.10	0.43	0.20
PCT ml/l	0.60	0.50	2.10	1.00	4.30	2.00
PDW fl	16.7	3.0	16.1	3.0	16.0	3.0
LYMP %	56.5	12.0	29.0	8.0	14.0	6.0
MONO %	14.0	8.0	9.5	7.0	6.5	5.0
GRAN %	29.5	9.0	61.5	8.0	79.5	8.0
LYMP #	1.2	0.3	2.3	0.7	2.9	1.3
MONO #	0.3	0.2	0.8	0.6	1.4	1.1
GRAN #	0.6	0.2	5.0	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	2.3	0.5	8.0	1.0	19.6	2.5
RBC 10^{12}/l	2.25	0.18	4.40	0.24	5.67	0.30
Hb g/dl **	6.2	0.4	14.4	0.6	19.7	0.8
Hb mmol/l **	3.9	0.3	8.9	0.4	12.2	0.5
Hct %	18.4	1.5	40.4	2.0	55.9	2.4
Hct l/l	0.184	0.015	0.404	0.020	0.559	0.024
MCV fl	81.6	5.0	91.9	5.0	98.6	5.0
MCH pg **	27.7	2.5	32.7	2.5	34.8	2.5
MCH fmol **	1.72	0.16	2.03	0.17	2.16	0.19
MCHC g/dl **	33.9	3.0	35.6	3.0	35.3	3.0
MCHC mmol/l **	21.1	2.0	22.1	2.0	21.9	2.0
RDW-CV	15.3	3.0	15.4	3.0	14.3	3.0
RDW-SD	44.6	6.0	50.4	6.0	50.2	8.0
Plts 10^9/l	70	20	242	40	489	60
MPV fl	8.9	3.0	9.2	3.0	9.5	3.0
LYMP %	58.2	12.0	30.4	8.0	14.2	6.0
MONO %	14.8	14.8	8.4	8.4	5.0	5.0
GRAN %	27.0	9.0	61.2	8.0	80.8	8.0
LYMP #	1.3	0.3	2.4	0.7	2.8	1.3
MONO #	0.3	0.3	0.7	0.7	1.0	1.0
GRAN #	0.6	0.2	4.9	0.7	15.8	1.7

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

Hb g/dl	5.9	0.4	13.4	0.6	18.4	0.8
Hb mmol/l	3.7	0.3	8.3	0.4	11.4	0.5
MCH pg	26.4	2.5	30.5	2.5	32.5	2.5
MCH fmol	1.64	0.16	1.89	0.17	2.02	0.19
MCHC g/dl	32.3	3.0	33.1	3.0	32.9	3.0
MCHC mmol/l	20.0	2.0	20.6	2.0	20.4	2.0

Mindray BC-2300, BC-2100

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.1	0.5	8.1	1.0	21.4	2.5
RBC 10^{12}/l	2.39	0.18	4.58	0.24	5.69	0.30
Hb g/dl	6.3	0.4	13.8	0.6	18.9	0.8
Hb mmol/l	3.9	0.3	8.6	0.4	11.7	0.5
Hct %	17.6	1.5	39.3	2.0	53.4	2.4
Hct l/l	0.176	0.015	0.393	0.020	0.534	0.024
MCV fl	73.5	5.0	85.8	5.0	93.9	5.0
MCH pg	26.3	2.5	30.2	2.5	33.1	2.5
MCH fmol	1.63	0.16	1.87	0.16	2.06	0.16
MCHC g/dl	35.7	3.0	35.2	3.0	35.3	3.0
MCHC mmol/l	22.2	1.9	21.8	1.9	21.9	1.9
RDW-CV	14.5	3.0	14.0	3.0	12.4	3.0
RDW-SD	34.5	8.0	38.9	8.0	38.3	8.0
Plts 10^9/l	59	20	253	40	541	60
MPV fl	10.6	3.0	10.5	3.0	11.0	3.0
PCT %	0.06	0.06	0.27	0.10	0.59	0.20
PCT ml/l	0.63	0.63	2.65	1.00	5.92	2.00
PDW fl	14.4	3.0	14.8	3.0	15.7	3.0
LYMP %	57.5	10.0	32.4	8.0	14.9	7.0
MONO %	13.9	13.9	8.8	8.8	7.0	7.0
GRAN %	28.6	9.0	58.8	9.0	78.2	8.0
LYMP #	1.2	0.2	2.6	0.7	3.2	1.5
MONO #	0.3	0.3	0.7	0.7	1.5	1.5
GRAN #	0.6	0.2	4.8	0.7	16.7	1.7