Assay values 3-Diff Controls
Combined US and SI Units

D0000803
Version 12.0

REF	:	3734-3735-3736-3752-3753-3754-3820-3821-3822
LOT	:	196
⌛	:	2011-08-19

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	2.2	0.4	7.9	0.8	20.6	2.0
RBC 10^{12}/l	2.41	0.15	4.59	0.20	5.57	0.24
Hb g/dl	6.1	0.4	13.6	0.5	18.1	0.6
Hb mmol/l	3.8	0.3	8.4	0.4	11.2	0.5
Hct %	18.3	1.5	39.5	2.4	51.8	3.0
Hct l/l	0.183	0.015	0.395	0.024	0.518	0.030
MCV fl	76	4	86	4	93	4
MCH pg	25.3	2.4	29.6	2.8	32.5	2.8
MCH fmol	1.57	0.16	1.84	0.17	2.02	0.19
MCHC g/dl	33.3	3.0	34.5	3.0	34.9	3.0
MCHC mmol/l	20.7	2.0	21.4	2.0	21.7	2.0
RDW %	16.5	3.0	16.0	3.0	15.7	3.0
Plts 10^9/l	70	30	267	55	512	70
MPV fl	7.4	3	7.5	3.0	7.8	3.0
PDW %	18.1	3.0	17.0	3.0	16.6	3.0
LYMP %	58.3	6.0	31.4	5.0	15.3	4.0
MONO %	11.8	5.0	8.6	4.0	4.9	3.0
GRAN %	29.9	5.0	60.0	6.0	79.8	5.0
LYMP #	1.3	0.2	2.5	0.4	3.2	0.9
MONO #	0.3	0.2	0.7	0.4	1.0	0.8
GRAN #	0.7	0.2	4.7	0.5	16.4	1.1

ABX Roche: Micros; Bayer: Advia 60

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.3	0.4	7.4	0.8	19.1	2.0
RBC 10^{12}/l	2.42	0.15	4.55	0.2	5.56	0.24
Hb g/dl	5.8	0.4	13.6	0.5	18.0	0.6
Hb mmol/l	3.6	0.3	8.4	0.4	11.2	0.5
Hct %	17.0	1.5	38.0	2.4	51.2	3.0
Hct l/l	0.170	0.015	0.380	0.024	0.512	0.030
MCV fl	71	4	84	4	92	4
MCH pg	23.9	2.4	29.8	2.8	32.4	2.8
MCH fmol	1.49	0.16	1.85	0.17	2.01	0.19
MCHC g/dl	33.9	3.0	35.7	3.0	35.2	3.0
MCHC mmol/l	21.1	2.0	22.2	2.0	21.9	2.0
RDW %	15.1	3.0	16.4	3.0	16.1	3.0
Plts 10^9/l	76	30	264	55	479	70
MPV fl	7.1	3.0	7.2	3.0	7.3	3.0
LYMP %	50.4	6.0	27.9	5.0	13.9	4.0
MONO %	11.2	5.0	8.5	4.0	3.8	3.0
GRAN %	38.3	5.0	63.7	6.0	82.2	5.0
LYMP #	1.1	0.2	2.1	0.4	2.7	0.9
MONO #	0.3	0.2	0.6	0.4	0.7	0.8
GRAN #	0.9	0.2	4.7	0.5	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	2.4	0.4	7.6	0.8	18.5	2.0
RBC 10^{12}/l	2.44	0.15	4.55	0.2	5.46	0.24
Hb g/dl	6.0	0.4	13.4	0.5	17.9	0.6
Hb mmol/l	3.7	0.3	8.3	0.4	11.1	0.5
Hct %	18.5	1.5	39.6	2.4	51.3	3.0
Hct l/l	0.185	0.015	0.396	0.024	0.513	0.030
MCV fl	76	4	87	4	94	4
MCH pg	24.6	2.4	29.5	2.8	32.8	2.8
MCH fmol	1.53	0.16	1.83	0.17	2.03	0.19
MCHC g/dl	32.4	3.0	33.9	3.0	34.9	3.0
MCHC mmol/l	20.1	2.0	21.0	2.0	21.6	2.0
Plts 10^9/l	66	30	262	55	499	70
MPV fl	8.3	3.0	8.0	3.0	8.0	3.0
LYMP %	58.3	6.0	31.4	5.0	15.3	4.0
MID %	11.8	5.0	8.6	4.0	4.9	3.0
GRAN %	29.9	5.0	60.0	6.0	79.8	5.0
LYMP #	1.4	0.2	2.4	0.4	2.8	0.9
MID #	0.3	0.2	0.7	0.4	0.9	0.8
GRAN #	0.7	0.2	4.6	0.5	14.8	1.1

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	7.9	0.8	20.5	2.0
RBC 10^{12}/l	2.41	0.15	4.59	0.20	5.57	0.24
Hb g/dl	6.1	0.4	13.6	0.5	18.1	0.6
Hb mmol/l	3.8	0.3	8.4	0.4	11.2	0.5
Hct %	18.3	1.5	39.9	2.4	52.4	3.0
Hct l/l	0.183	0.015	0.399	0.024	0.524	0.030
MCV fl	76	4	87	4	94	4
MCH pg	25.3	2.4	29.6	2.8	32.5	2.8
MCH fmol	1.57	0.16	1.84	0.17	2.01	0.19
MCHC g/dl	33.3	3.0	34.1	3.0	34.6	3.0
MCHC mmol/l	20.6	2.0	21.1	2.0	21.4	2.0
RDW %	16.5	3.0	16.0	3.0	15.7	3.0
Plts 10^9/l	70	30	265	55	510	70
MPV fl	7.4	3.0	7.5	3.0	7.8	3.0
LYMP %	60.0	6.0	31.0	5.0	14.0	4.0
MONO %	9.0	5.0	7.0	4.0	4.0	3.0
GRAN %	31.0	5.0	62.0	6.0	82.0	5.0
LYMP #	1.3	0.2	2.4	0.4	2.9	0.9
MONO #	0.2	0.2	0.6	0.4	0.8	0.8
GRAN #	0.7	0.2	4.9	0.5	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 %	46.5	6.0	23.0	5.0	9.5	4.0
LYMP #	1.0	0.2	1.8	0.4	1.9	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	2.2	0.4	7.5	0.8	18.9	2.0
RBC 10^{12}/l	2.39	0.15	4.55	0.2	5.49	0.24
Hb g/dl	6.0	0.4	13.9	0.5	19.3	0.6
Hb mmol/l	3.7	0.3	8.6	0.4	12.0	0.5
Hct %	18.7	1.5	39.8	2.4	53.7	3.0
Hct l/l	0.187	0.015	0.398	0.024	0.537	0.030
MCV fl	78	4	87	4	98	4
MCH pg	25.1	2.4	30.5	2.8	35.2	2.8
MCH fmol	1.56	0.16	1.89	0.17	2.19	0.19
MCHC g/dl	32.2	3.0	34.9	3.0	36.0	3.0
MCHC mmol/l	20.0	2.0	21.7	2.0	22.3	2.0
RDW %	15.4	3.0	15.4	3.0	14.9	3.0
Plts 10^9/l	72	30	272	55	500	70
MPV fl	7.4	3.0	6.6	3.0	6.4	3.0
LYMP %	62.1	6.0	33.3	5.0	18.4	4.0
MONO %	12.9	5.0	9.3	4.0	4.7	3.0
GRAN %	25.0	5.0	57.3	6.0	76.9	5.0
LYMP #	1.4	0.2	2.5	0.4	3.5	0.9
MONO #	0.3	0.2	0.7	0.4	0.9	0.8
GRAN #	0.6	0.2	4.3	0.5	14.5	1.1

Danam / Drew Excel18 = MWI BT2100, Drew D3

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	2.53	0.15	4.51	0.2	5.45	0.24
Hb g/dl	6.1	0.4	13.5	0.5	18.2	0.6
Hb mmol/l	3.8	0.3	8.4	0.4	11.3	0.5
Hct %	19.1	1.5	39.2	2.4	51.4	3.0
Hct l/l	0.191	0.015	0.392	0.024	0.514	0.030
MCV fl	76	4	87	4	94	4
MCH pg	24.3	2.4	29.9	2.8	33.3	2.8
MCH fmol	1.51	0.16	1.86	0.17	2.07	0.19
MCHC g/dl	32.1	3.0	34.4	3.0	35.3	3.0
MCHC mmol/l	19.9	2.0	21.3	2.0	21.9	2.0
RDW	12.5	3.0	12.0	3.0	12.5	3.0
Plts 10^9/l	81	30	283	55	498	70
MPV fl	6.2	3.0	6.7	3.0	7.0	3.0
LYMP %	51.0	6.0	25.2	5.0	11.5	4.0
MONO %	12.2	5.0	7.9	4.0	3.8	3.0
GRAN %	36.7	5.0	66.8	6.0	84.8	5.0
LYMP #	1.2	0.2	2.0	0.4	2.4	0.9
MONO #	0.3	0.2	0.6	0.4	0.8	0.8
GRAN #	0.8	0.2	5.3	0.5	17.6	1.1

Assay values 3-Diff Controls
Combined US and SI Units

D0000803
Version 12.0

LOT : 196

: 2011-08-19

Diatron: Abacus, Arcus **

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	2.55	0.15	4.73	0.2	5.67	0.24
Hb g/dl	6.3	0.4	13.7	0.5	18.6	0.6
Hb mmol/l	3.9	0.3	8.5	0.4	11.6	0.5
Hct %	20.2	1.5	43.1	2.4	56.1	3.0
Hct l/l	0.202	0.015	0.431	0.024	0.561	0.030
MCV fl	79	4	91	4	99	4
MCH pg	24.9	2.4	29.0	2.8	32.9	2.8
MCH fmol	1.54	0.16	1.80	0.17	2.04	0.19
MCHC g/dl	31.4	3.0	31.9	3.0	33.2	3.0
MCHC mmol/l	19.5	2.0	19.8	2.0	20.6	2.0
RDW-SD fl	58.3	5.0	63.0	5.0	67.9	5.0
RDW-CV %	16.2	3.0	15.3	3.0	15.1	3.0
Plts 10^9/l	64	30	267	55	512	70
MPV fl	7.2	3.0	7.5	3.0	7.5	3.0
PCT %	0.05	0.02	0.20	0.06	0.38	0.10
PCT ml/l	0.46	0.2	2.00	0.3	3.82	0.4
PDW-SD fl	9.6	3.0	10.2	3.0	10.1	3.0
PDW-CV %	37.2	3.0	38.3	3.0	38.0	3.0
LYMP %	54.3	6.0	29.4	1.0	12.2	4.0
MONO %	9.5	7.0	7.9	1.0	6.3	3.0
GRAN %	36.2	6.0	62.6	6.0	81.5	6.0
LYMP #	1.1	0.2	2.3	0.4	2.5	0.9
MONO #	0.2	0.2	0.6	0.4	1.3	0.8
GRAN #	0.8	0.2	4.8	0.5	16.8	1.1

**** 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	6.0	37.4	5.0	18.2	4.0
MONO %	10.8	5.0	9.8	4.0	6.3	3.0
GRAN %	26.1	5.0	52.8	6.0	75.5	5.0
LYMP #	1.4	0.2	3.0	0.4	3.7	0.9
MONO #	0.2	0.2	0.8	0.4	1.3	0.8
GRAN #	0.6	0.2	4.2	0.5	15.6	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 %	70.8	6.0	39.4	5.0	19.2	4.0
MONO %	9.5	5.0	9.1	4.0	6.0	3.0
GRAN %	19.7	5.0	51.5	6.0	74.9	5.0
LYMP #	1.6	0.2	3.1	0.4	3.9	0.9
MONO #	0.2	0.2	0.7	0.4	1.2	0.8
GRAN #	0.4	0.2	4.1	0.5	15.4	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	8.1	0.8	21.5	2.0
RBC 10^{12}/l	2.52	0.15	4.60	0.2	5.42	0.24
Hb g/dl	5.9	0.4	13.1	0.5	17.4	0.6
Hb mmol/l	3.7	0.3	8.1	0.4	10.8	0.5
Hct %	19.9	1.5	41.4	2.4	54.7	3.0
Hct l/l	0.199	0.015	0.414	0.024	0.547	0.030
MCV fl	79	4	90	4	101	4
MCH pg	23.4	2.4	28.5	2.8	32.1	2.8
MCH fmol	1.45	0.16	1.77	0.17	1.99	0.19
MCHC g/dl	29.6	3.0	31.6	3.0	31.8	3.0
MCHC mmol/l	18.4	2.0	19.6	2.0	19.7	2.0
RDW %	19.5	3.0	17.5	3.0	17.1	3.0
Plts 10^9/l	80	30	281	55	538	70
MPV fl	8.2	3.0	7.9	3.0	8.3	3.0
PDW %	16.9	3.0	15.6	3.0	14.2	3.0
LYMP %	50.3	6.0	33.2	5.0	26.9	4.0
MONO %	5.4	5.4	4.9	4.9	1.9	1.9
GRAN %	44.3	5.0	61.9	6.0	71.2	5.0
LYMP #	1.1	0.2	2.7	0.4	5.8	0.9
MONO #	0.1	0.1	0.4	0.4	0.4	0.4
GRAN #	1.0	0.2	5.0	0.5	15.3	1.1

Orphee MYTHIC 18

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.2	0.4	7.9	0.8	20.6	2.0
RBC 10^{12}/l	2.41	0.15	4.59	0.2	5.57	0.24
Hb g/dl	6.1	0.4	13.6	0.5	18.1	0.6
Hb mmol/l	3.8	0.3	8.4	0.4	11.2	0.5
Hct %	19.8	1.5	41.8	2.4	54.0	3.0
Hct l/l	0.198	0.015	0.418	0.024	0.540	0.030
MCV fl	82	4	91	4	97	4
MCH pg	25.3	2.4	29.6	2.8	32.5	2.8
MCH fmol	1.57	0.16	1.84	0.17	2.02	0.19
MCHC g/dl	30.9	3.0	32.6	3.0	33.5	3.0
MCHC mmol/l	19.2	2.0	20.2	2.0	20.8	2.0
RDW %	16.5	3.0	16.0	3.0	16.7	3.0
Plts 10^9/l	70	30	261	55	500	70
MPV fl	8.1	3.0	7.9	3.0	8.0	3.0
LYMP %	58.6	6.0	30.2	5.0	14.9	4.0
MONO %	7.2	5.0	5.5	5.5	2.9	2.9
GRAN %	34.2	5.0	64.3	6.0	82.2	5.0
LYMP #	1.3	0.2	2.4	0.4	3.1	0.9
MONO #	0.2	0.2	0.4	0.4	0.6	0.6
GRAN #	0.8	0.2	5.1	0.5	16.9	1.1

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

2ºC 8ºC

IVD

Assay values 3-Diff Controls
Combined US and SI Units

D0000803
Version 12.0

LOT	:	196
	:	2011-08-19

Mindray BC-3200, BC-3000CT

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.2	0.5	8.1	1.0	21.1	2.5
RBC 10^{12}/l	2.49	0.18	4.72	0.24	5.75	0.30
Hb g/dl	6.2	0.4	13.9	0.6	18.6	0.8
Hb mmol/l	3.8	0.3	8.6	0.4	11.5	0.5
Hct %	18.7	1.5	41.3	2.0	54.3	2.4
Hct l/l	0.187	0.015	0.413	0.020	0.543	0.024
MCV fl	75.0	5.0	87.5	5.0	94.5	5.0
MCH pg	24.9	2.5	29.4	2.5	32.3	2.5
MCH fmol	1.55	0.16	1.83	0.16	2.01	0.16
MCHC g/dl	33.2	3.0	33.7	3.0	34.2	3.0
MCHC mmol/l	20.6	1.8	20.9	1.8	21.3	1.8
RDW-CV	13.3	3.0	13.0	3.0	13.0	3.0
RDW-SD	34.5	6.0	39.0	6.0	41.0	8.0
Plts 10^9/l	80	30	285	55	515	70
MPV fl	8.4	3.0	8.2	3.0	7.9	3.0
LYMP %	56.0	12.0	28.5	8.0	12.5	6.0
MONO %	12.6	8.0	9.0	6.0	5.5	5.0
GRAN %	31.4	9.0	62.5	8.0	82.0	8.0
LYMP #	1.2	0.3	2.3	0.7	2.6	1.3
MONO #	0.3	0.2	0.7	0.5	1.2	1.1
GRAN #	0.7	0.3	5.1	0.7	17.3	1.7

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	2.0	0.5	8.3	1.0	22.2	2.5
RBC 10^{12}/l	2.34	0.18	4.62	0.24	5.65	0.30
Hb g/dl	6.2	0.4	14.0	0.6	18.9	0.8
Hb mmol/l	3.8	0.3	8.7	0.4	11.7	0.5
Hct %	17.9	1.5	40.4	2.0	53.4	2.4
Hct l/l	0.179	0.015	0.404	0.020	0.534	0.024
MCV fl	76.5	5.0	87.5	5.0	94.5	5.0
MCH pg	26.5	2.5	30.3	2.5	33.5	2.5
MCH fmol	1.64	0.16	1.88	0.16	2.08	0.16
MCHC g/dl	34.6	3.0	34.6	3.0	35.4	3.0
MCHC mmol/l	21.5	1.8	21.5	1.8	22.0	1.8
RDW-CV	14.4	3.0	14.5	3.0	14.4	3.0
RDW-SD	36.5	6.0	41.0	6.0	44.5	8.0
Plts 10^9/l	70	30	262	55	570	70
MPV fl	9.0	3.0	9.1	3.0	9.1	3.0
PCT %	0.05	0.05	0.23	0.10	0.50	0.20
PCT ml/l	0.50	0.50	2.30	1.00	5.00	2.00
PDW fl	15.8	3.0	16.2	3.0	16.0	3.0
LYMP %	60.0	11.0	30.5	8.0	13.5	8.0
MONO %	11.0	8.0	8.0	6.0	6.5	6.0
GRAN %	29.0	8.0	61.5	9.0	80.0	9.0
LYMP #	1.2	0.3	2.5	0.7	3.0	1.8
MONO #	0.2	0.2	0.7	0.6	1.4	1.3
GRAN #	0.6	0.3	5.1	0.8	17.8	2.1

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	2.1	0.5	8.0	1.0	20.7	2.5
RBC 10^{12}/l	2.43	0.18	4.65	0.24	5.66	0.30
Hb g/dl	6.2	0.4	14.0	0.6	19.0	0.8
Hb mmol/l	3.8	0.3	8.7	0.4	11.8	0.5
Hct %	18.2	1.5	40.2	2.0	53.8	2.4
Hct l/l	0.182	0.015	0.402	0.020	0.538	0.024
MCV fl	75.0	5.0	86.5	5.0	95.0	5.0
MCH pg	25.5	2.5	30.1	2.5	33.6	2.5
MCH fmol	1.58	0.16	1.87	0.16	2.08	0.16
MCHC g/dl	34.0	3.0	34.8	3.0	35.3	3.0
MCHC mmol/l	21.1	1.8	21.6	1.8	21.9	1.8
RDW-CV	15.5	3.0	15.0	3.0	14.6	3.0
RDW-SD	40.0	6.0	45.0	6.0	46.5	8.0
Plts 10^9/l	75	30	262	55	520	70
MPV fl	9.7	3.0	9.6	3.0	9.4	3.0
PCT %	0.06	0.05	0.23	0.10	0.48	0.20
PCT ml/l	0.60	0.50	2.30	1.00	4.80	2.00
PDW fl	14.5	3.0	14.8	3.0	14.7	3.0
LYMP %	60.0	10.0	30.6	8.0	14.0	7.0
MONO %	10.5	8.0	7.4	5.0	4.5	4.5
GRAN %	29.5	9.0	62.0	9.0	81.5	8.0
LYMP #	1.3	0.3	2.4	0.7	2.9	1.5
MONO #	0.2	0.2	0.6	0.5	0.9	0.9
GRAN #	0.6	0.3	5.0	0.8	16.7	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	2.1	0.5	8.0	1.0	20.5	2.5
RBC 10^{12}/l	2.52	0.18	4.77	0.24	5.80	0.30
Hb g/dl	6.2	0.4	14.0	0.6	18.8	0.8
Hb mmol/l	3.8	0.3	8.7	0.4	11.7	0.5
Hct %	19.0	1.5	42.2	2.0	55.4	2.4
Hct l/l	0.190	0.015	0.422	0.020	0.554	0.024
MCV fl	75.5	5.0	88.5	5.0	95.5	5.0
MCH pg	24.6	2.5	29.4	2.5	32.4	2.5
MCH fmol	1.53	0.16	1.82	0.16	2.01	0.16
MCHC g/dl	32.6	3.0	33.2	3.0	33.9	3.0
MCHC mmol/l	20.3	1.8	20.6	1.8	21.1	1.8
RDW-CV	15.5	3.0	14.5	3.0	14.0	3.0
RDW-SD	38.6	6.0	43.0	6.0	44.4	8.0
Plts 10^9/l	78	30	292	55	525	70
MPV fl	8.9	3.0	8.7	3.0	8.6	3.0
PCT %	0.06	0.05	0.24	0.10	0.44	0.20
PCT ml/l	0.60	0.50	2.40	1.00	4.40	2.00
PDW fl	16.2	3.0	15.9	3.0	15.6	3.0
LYMP %	61.0	12.0	30.0	8.0	13.5	7.0
MONO %	10.5	8.0	9.5	7.0	5.5	5.0
GRAN %	28.5	9.0	60.5	8.0	81.0	8.0
LYMP #	1.3	0.3	2.4	0.7	2.8	1.5
MONO #	0.2	0.2	0.8	0.6	1.1	1.0
GRAN #	0.6	0.3	4.8	0.7	16.6	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	7.9	1.0	19.4	2.5
RBC 10^{12}/l	2.26	0.18	4.42	0.24	5.51	0.30
Hb g/dl **	6.3	0.4	14.5	0.6	19.5	0.8
Hb mmol/l **	3.9	0.3	9.0	0.4	12.1	0.5
Hct %	18.5	1.5	40.7	2.0	54.0	2.4
Hct l/l	0.185	0.015	0.407	0.020	0.540	0.024
MCV fl	82.0	5.0	92.0	5.0	98.0	5.0
MCH pg **	27.9	2.5	32.8	2.5	35.4	2.5
MCH fmol **	1.73	0.16	2.04	0.16	2.20	0.16
MCHC g/dl **	34.0	3.0	35.7	3.0	36.1	3.0
MCHC mmol/l **	21.1	1.8	22.1	1.8	22.4	1.8
RDW-CV	15.3	3.0	15.3	3.0	15.5	3.0
RDW-SD	44.8	6.0	50.3	6.0	54.3	8.0
Plts 10^9/l	77	30	249	55	468	70
MPV fl	8.1	3.0	8.3	3.0	8.3	3.0
LYMP %	58.3	12.0	28.4	8.0	12.8	7.0
MONO %	11.8	8.0	8.6	7.0	4.9	5.0
GRAN %	29.9	9.0	63.0	8.0	82.3	8.0
LYMP #	1.3	0.3	2.2	0.7	2.5	1.5
MONO #	0.3	0.2	0.7	0.6	1.0	1.0
GRAN #	0.7	0.3	5.0	0.7	16.0	1.7

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

Hb g/dl	6.0	0.4	13.5	0.6	18.2	0.8
Hb mmol/l	3.7	0.3	8.4	0.4	11.3	0.5
MCH pg	26.5	2.5	30.5	2.5	33.0	2.5
MCH fmol	1.65	0.16	1.90	0.16	2.05	0.16
MCHC g/dl	32.4	3.0	33.2	3.0	33.7	3.0
MCHC mmol/l	20.1	1.8	20.6	1.8	20.9	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	20.9	2.5
RBC 10^{12}/l	2.37	0.20	4.42	0.28	5.40	0.35
Hb g/dl	6.2	0.5	13.7	0.8	18.2	1.0
Hb mmol/l	3.8	0.3	8.5	0.4	11.3	0.5
Hct %	17.5	1.5	37.8	2.0	50.0	2.4
Hct l/l	0.175	0.015	0.378	0.020	0.500	0.024
MCV fl	74.0	5.0	85.5	5.0	92.5	5.0
MCH pg	26.2	2.5	31.0	2.5	33.7	2.5
MCH fmol	1.62	0.16	1.92	0.16	2.09	0.16
MCHC g/dl	35.4	3.0	36.3	3.0	36.4	3.0
MCHC mmol/l	22.0	1.8	22.5	1.8	22.6	1.8
RDW-CV	14.0	3.0	13.0	3.0	12.5	3.0
RDW-SD	32.5	8.0	34.5	8.0	36.5	8.0
Plts 10^9/l	80	30	250	55	510	70
MPV fl	11.0	3.0	10.3	3.0	10.3	3.0
PCT %	0.08	0.05	0.24	0.10	0.51	0.20
PCT ml/l	0.80	0.50	2.40	1.00	5.10	2.00
PDW fl	15.5	3.0	15.0	3.0	15.0	3.0
LYMP %	63.0	10.0	30.5	8.0	14.0	8.0
MONO %	9.5	8.0	9.0	8.0	8.0	7.0
GRAN %	27.5	9.0	60.5	10.0	78.0	9.0
LYMP #	1.3	0.3	2.3	0.7	2.9	1.7
MONO #	0.2	0.2	0.7	0.7	1.7	1.5
GRAN #	0.6	0.3	4.7	0.8	16.3	1.9