tyco / Healthcare / Mallinckrodt Baker

Assay values 3-Diff Controls
Combined US and SI Units

NOW AVAILABLE: ASSAY VALUES FOR ALL 3-PART DIFF MODELS FROM MINDRAY. SEE PAGE 3

D0000803
Version 10.0

REF	:	3734-3735-3736-3752-3753-3754-3820-3821-3822
LOT	:	187
⌛	:	2009, May 19th

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

MELET MS9 **NOTE : Please refer to next page for Erma Values**

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.0	0.4	7.7	0.8	20.2	2.0
RBC 10^{12}/l	2.32	0.12	4.46	0.15	5.45	0.18
Hb g/dl	6.1	0.4	13.5	0.5	17.8	0.6
Hb mmol/l	3.8	0.2	8.4	0.3	11.0	0.4
Hct %	17.9	1.5	38.4	2.4	50.7	3.0
Hct l/l	0.179	0.015	0.384	0.024	0.507	0.030
MCV fl	77	4	86	4	93	4
MCH pg	26.3	2.4	30.3	2.8	32.7	2.8
MCH fmol	1.63	0.14	1.88	0.11	2.03	0.11
MCHC g/dl	34.1	3.0	35.2	3.0	35.1	3.0
MCHC mmol/l	21.2	1.8	21.8	1.8	21.8	1.8
RDW %	15.0	3.0	14.5	3.0	14.0	3.0
Plts 10^9/l	70	15	260	30	495	55
MPV fl	7.5	2.0	7.5	1.5	8.0	1.5
PDW %	17.6	2.5	16.6	2.5	16.7	2.5
LYMP %	61.0	5.0	33.5	4.0	16.5	4.0
MONO %	9.0	4.0	6.0	4.0	4.0	3.0
GRAN %	30.0	4.0	60.5	5.0	79.5	5.0
LYMP #	1.2	0.3	2.6	0.4	3.3	0.8
MONO #	0.2	0.1	0.5	0.3	0.8	0.6
GRAN #	0.6	0.2	4.7	0.6	16.1	1.2

ABX Roche: Micros; Bayer: Advia 60

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.1	0.4	7.3	0.8	18.7	2.0
RBC 10^{12}/l	2.33	0.12	4.42	0.15	5.45	0.18
Hb g/dl	5.8	0.4	13.5	0.5	17.7	0.6
Hb mmol/l	3.6	0.2	8.4	0.3	11.0	0.4
Hct %	16.6	1.5	37.0	2.4	50.1	3.0
Hct l/l	0.166	0.015	0.370	0.024	0.501	0.030
MCV fl	71	4	84	4	92	4
MCH pg	24.9	2.4	30.5	2.8	32.6	2.8
MCH fmol	1.54	0.14	1.89	0.11	2.02	0.11
MCHC g/dl	34.8	3.0	36.5	3.0	35.4	3.0
MCHC mmol/l	21.6	1.8	22.6	1.8	22.0	1.8
RDW %	13.7	3.0	14.9	3.0	14.4	3.0
Plts 10^9/l	76	15	257	30	463	55
MPV fl	7.2	2.0	7.2	1.5	7.5	1.5
LYMP %	52.8	5.0	29.7	4.0	15.0	4.0
MONO %	8.6	4.0	5.9	4.0	3.1	3.0
GRAN %	38.6	4.0	64.4	5.0	81.8	5.0
LYMP #	1.1	0.3	2.2	0.4	2.8	0.8
MONO #	0.2	0.1	0.4	0.3	0.6	0.6
GRAN #	0.8	0.2	4.7	0.6	15.3	1.2

Abbott Cell-Dyn: 1300, 1500, 1600, 1700, 2000 series

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.2	0.4	7.4	0.8	18.1	2.0
RBC 10^{12}/l	2.35	0.12	4.42	0.15	5.34	0.18
Hb g/dl	6.0	0.4	13.3	0.5	17.6	0.6
Hb mmol/l	3.7	0.2	8.3	0.3	10.9	0.4
Hct %	18.1	1.5	38.5	2.4	50.2	3.0
Hct l/l	0.181	0.015	0.385	0.024	0.502	0.03
MCV fl	77	4	87	4	94	4
MCH pg	25.5	2.4	30.1	2.8	33.0	2.8
MCH fmol	1.58	0.14	1.87	0.11	2.05	0.11
MCHC g/dl	33.2	3.0	34.6	3.0	35.1	3.0
MCHC mmol/l	20.6	1.8	21.5	1.8	21.8	1.8
Plts 10^9/l	66	15	255	30	482	55
MPV fl	8.4	2	8.0	1.5	8.2	1.5
LYMP %	61.0	5.0	33.5	4.0	16.5	4.0
MID %	9.0	4.0	6.0	4.0	4.0	3.0
GRAN %	30.0	4.0	60.5	5.0	79.5	5.0
LYMP #	1.3	0.3	2.5	0.4	3.0	0.8
MID #	0.2	0.1	0.4	0.3	0.7	0.6
GRAN #	0.7	0.2	4.5	0.6	14.4	1.2

Coulter Counter: AcT diff, AcT diff 2

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.0	0.4	7.7	0.8	20.2	2.0
RBC 10^{12}/l	2.32	0.12	4.46	0.15	5.45	0.18
Hb g/dl	6.1	0.4	13.5	0.5	17.8	0.6
Hb mmol/l	3.8	0.3	8.4	0.3	11.0	0.4
Hct %	17.9	1.5	38.8	2.4	51.2	3.0
Hct l/l	0.179	0.015	0.388	0.024	0.512	0.030
MCV fl	77	4	87	4	94	4
MCH pg	26.3	2.4	30.3	2.8	32.7	2.8
MCH fmol	1.63	0.10	1.88	0.11	2.03	0.12
MCHC g/dl	34.1	3.0	34.8	3.0	34.7	3.0
MCHC mmol/l	21.2	1.8	21.6	1.8	21.6	1.8
RDW %	15.0	3.0	14.5	3.0	14.0	3.0
Plts 10^9/l	70	15	260	30	495	55
MPV fl	7.5	2.0	7.5	1.5	8.0	1.5
LYMP %	61.5	6.0	33.5	3.0	15.0	4.0
MONO %	6.0	4.0	4.0	2.0	3.0	3.0
GRAN %	32.5	5.0	62.5	4.0	82.0	5.0
LYMP #	1.2	0.3	2.6	0.4	3.0	0.8
MONO #	0.1	0.1	0.3	0.3	0.6	0.4
GRAN #	0.7	0.2	4.8	0.6	16.6	1.2

Coulter Counter: AcT 8, AcT 10

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
Please refer to Table AcT Diff for CBC parameters						
LYMP %	50.0	6.0	24.7	4.0	11.0	4.0
LYMP #	1.0	0.3	1.9	0.4	2.2	0.8

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

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.0	0.4	7.4	0.8	18.5	2.0
RBC 10^{12}/l	2.30	0.12	4.42	0.15	5.37	0.18
Hb g/dl	6.0	0.4	13.8	0.5	19.0	0.6
Hb mmol/l	3.7	0.2	8.6	0.3	11.8	0.4
Hct %	18.2	1.5	38.6	2.4	52.6	3.0
Hct l/l	0.182	0.015	0.386	0.024	0.526	0.030
MCV fl	79	4	87	4	98	4
MCH pg	26.1	2.4	31.2	2.8	35.4	2.8
MCH fmol	1.62	0.14	1.94	0.11	2.20	0.11
MCHC g/dl	33.0	3.0	35.7	3.0	36.2	3.0
MCHC mmol/l	20.5	1.8	22.1	1.8	22.5	1.8
RDW %	14.0	3.0	14.0	3.0	13.3	3.0
Plts 10^9/l	72	15	265	30	484	55
MPV fl	7.5	2	6.6	1.5	6.5	1.5
LYMP %	65.0	5.0	35.6	4.0	19.9	4.0
MONO %	9.8	4.0	6.5	4.0	3.8	3.0
GRAN %	25.2	4.0	57.9	5.0	76.3	5.0
LYMP #	1.3	0.3	2.6	0.4	3.7	0.8
MONO #	0.2	0.1	0.5	0.3	0.7	0.6
GRAN #	0.5	0.2	4.3	0.6	14.1	1.2

Danam / Drew Excel18 = MWI BT2100

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.1	0.4	7.8	0.8	20.4	2.0
RBC 10^{12}/l	2.43	0.12	4.38	0.15	5.33	0.18
Hb g/dl	6.1	0.4	13.4	0.5	17.9	0.6
Hb mmol/l	3.8	0.2	8.3	0.3	11.1	0.4
Hct %	18.7	1.5	38.1	2.4	50.3	3.0
Hct l/l	0.187	0.015	0.381	0.024	0.503	0.030
MCV fl	77	4	87	4	94	4
MCH pg	25.2	2.4	30.6	2.8	33.5	2.8
MCH fmol	1.56	0.14	1.90	0.11	2.08	0.11
MCHC g/dl	32.9	3.0	35.1	3.0	35.5	3.0
MCHC mmol/l	20.4	1.8	21.8	1.8	22.0	1.8
RDW	11.3	3.0	10.9	3.0	11.2	3.0
Plts 10^9/l	81	15	275	30	482	55
MPV fl	6.3	2	6.7	1.5	7.2	1.5
LYMP %	53.4	5.0	26.9	4.0	12.4	4.0
MONO %	9.3	4.0	5.5	4.0	3.1	3.0
GRAN %	37.2	4.0	67.5	5.0	84.6	5.0
LYMP #	1.1	0.3	2.1	0.4	2.5	0.8
MONO #	0.2	0.1	0.4	0.3	0.6	0.6
GRAN #	0.8	0.2	5.2	0.6	17.2	1.2

tyco / Healthcare / Mallinckrodt Baker

Assay values 3-Diff Controls
Combined US and SI Units

D0000803
Version 10.0

LOT : 187

: 2009, May 19th

Diatron: Abacus, Arcus **

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	1.8	0.4	7.4	0.8	19.8	2.0
RBC 10^{12}/l	2.46	0.12	4.62	0.15	5.60	0.20
Hb g/dl	5.9	0.4	13.2	0.5	17.2	0.6
Hb mmol/l	3.7	0.3	8.2	0.4	10.7	0.4
Hct %	20.2	1.5	42.3	2.4	55.5	3.0
Hct l/l	0.202	0.015	0.423	0.024	0.555	0.030
MCV fl	82	4	92	4	99	4
MCH pg	24.0	2.4	28.6	2.8	30.7	2.8
MCH fmol	1.49	0.14	1.77	0.11	1.91	0.11
MCHC g/dl	29.3	3.0	31.2	3.0	31.0	3.0
MCHC mmol/l	18.2	1.8	19.4	1.8	19.2	1.8
RDW-SD fl	54.1	3.0	58.4	3.0	59.4	3.0
RDW-CV %	16.8	3.0	16.2	3.0	15.3	3.0
Plts 10^9/l	66	15	287	30	528	55
MPV fl	7.3	1.5	7.5	1.5	8.2	1.5
PCT %	0.05	0.02	0.22	0.03	0.43	0.04
PCT ml/l	0.49	0.2	2.15	0.3	4.33	0.4
PDW-SD fl	10.2	2.5	10.0	2.5	10.6	3.0
PDW-CV %	38.8	2.5	37.4	2.5	36.0	3.0
LYMP %	58.0	5.0	32.2	4.0	14.0	4.0
MONO %	9.1	4.0	5.3	4.0	4.2	4.0
GRAN %	32.9	4.0	62.5	5.0	81.9	5.0
LYMP #	1.0	0.3	2.4	0.4	2.8	0.8
MONO #	0.2	0.1	0.4	0.3	0.8	0.6
GRAN #	0.6	0.2	4.6	0.6	16.2	1.2

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

AVL (Contraves): AVL - 816

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
Please refer to Table Coulter Counters for CBC parameters						
LYMP %	65.9	5.0	39.9	4.0	19.6	4.0
MONO %	8.3	4.0	6.8	4.0	5.1	3.0
GRAN %	25.8	4.0	53.3	5.0	75.3	5.0
LYMP #	1.3	0.3	3.1	0.4	4.0	0.8
MONO #	0.2	0.1	0.5	0.3	1.0	0.6
GRAN #	0.5	0.2	4.1	0.6	15.2	1.2

AVL (Contraves): AVL - 818

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
Please refer to Table Coulter Counters for CBC parameters						
LYMP %	74.1	5.0	42.0	4.0	20.7	4.0
MONO %	7.2	4.0	6.4	4.0	4.9	3.0
GRAN %	18.7	4.0	51.6	5.0	74.5	5.0
LYMP #	1.5	0.3	3.2	0.4	4.2	0.8
MONO #	0.1	0.1	0.5	0.2	1.0	0.4
GRAN #	0.4	0.2	4.0	0.6	15.0	1.2

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

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.0	0.4	7.9	0.8	21.1	2.0
RBC 10^{12}/l	2.43	0.12	4.47	0.15	5.30	0.18
Hb g/dl	5.9	0.4	13.0	0.5	17.1	0.6
Hb mmol/l	3.7	0.2	8.1	0.3	10.6	0.4
Hct %	19.4	1.5	40.2	2.4	53.5	3.0
Hct l/l	0.194	0.015	0.402	0.024	0.535	0.030
MCV fl	80	4	90	4	101	4
MCH pg	24.3	2.4	29.1	2.8	32.3	2.8
MCH fmol	1.51	0.14	1.80	0.11	2.00	0.11
MCHC g/dl	30.3	3.0	32.3	3.0	31.9	3.0
MCHC mmol/l	18.8	1.8	20.1	1.8	19.8	1.8
RDW %	18.0	3.0	16.0	3.0	15.4	3.0
Plts 10^9/l	80	15	274	30	521	55
MPV fl	8.3	2.0	7.9	1.5	8.5	1.5
PDW %	16.4	2.5	15.2	2.5	14.3	2.5
LYMP %	53.0	5.0	35.3	4.0	28.1	4.0
MONO %	2.6	4.0	2.3	4.0	0.0	0.0
GRAN %	44.4	4.0	62.4	5.0	71.9	5.0
LYMP #	1.1	0.3	2.8	0.4	5.9	0.8
MONO #	0.1	0.1	0.2	0.2	0.0	0.0
GRAN #	0.9	0.2	4.9	0.6	15.2	1.2

Orphee MYTHIC 18

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.0	0.4	7.7	0.8	20.2	2.0
RBC 10^{12}/l	2.32	0.12	4.46	0.15	5.45	0.18
Hb g/dl	6.1	0.4	13.5	0.5	17.8	0.6
Hb mmol/l	3.8	0.2	8.4	0.3	11.0	0.4
Hct %	19.3	1.5	40.6	2.4	52.9	3.0
Hct l/l	0.193	0.015	0.406	0.024	0.529	0.030
MCV fl	83	4	91	4	97	4
MCH pg	26.3	2.4	30.3	2.8	32.7	2.8
MCH fmol	1.63	0.14	1.88	0.11	2.03	0.11
MCHC g/dl	31.7	3.0	33.3	3.0	33.7	3.0
MCHC mmol/l	19.7	1.8	20.6	1.8	20.9	1.8
RDW %	15.0	3.0	14.5	3.0	15.0	3.0
Plts 10^9/l	70	15	254	30	483	55
MPV fl	8.2	2.0	7.9	1.5	8.2	1.5
LYMP %	61.3	5.0	32.3	4.0	16.1	4.0
MONO %	4.4	4.0	2.9	4.0	2.0	2.0
GRAN %	34.3	4.0	64.8	5.0	81.9	5.0
LYMP #	1.2	0.3	2.5	0.4	3.3	0.8
MONO #	0.1	0.1	0.2	0.2	0.4	0.4
GRAN #	0.7	0.2	5.0	0.6	16.5	1.2

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

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IVD

CE

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Assay values 3-Diff Controls
Combined US and SI Units

D0000803
Version 10.0

LOT	:	187
⌛	:	2009, May 19th

Mindray BC-3200, BC-3000CT (new models)

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	1.9	0.5	7.6	1.0	20.0	2.5
RBC 10^{12}/l	2.36	0.18	4.50	0.24	5.60	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 %	18.3	1.5	39.6	2.0	53.8	2.4
Hct l/l	0.183	0.015	0.396	0.020	0.538	0.024
MCV fl	77.5	5.0	88.0	5.0	96.0	5.0
MCH pg	26.7	2.5	30.7	2.5	33.8	2.5
MCH fmol	1.66	0.16	1.90	0.16	2.09	0.16
MCHC g/dl	34.4	3.0	34.8	3.0	35.2	3.0
MCHC mmol/l	21.4	1.8	21.6	1.8	21.8	1.8
RDW-CV	14.0	3.0	14.5	3.0	13.0	3.0
RDW-SD	38.0	6.0	44.0	6.0	44.5	8.0
Plts 10^9/l	80	20	240	40	475	60
MPV fl	11.6	3.0	10.3	3.0	10.2	3.0
LYMP %	48.5	8.0	27.0	7.0	13.5	6.0
MONO %	15.5	7.0	6.0	6.0	4.5	5.0
GRAN %	36.0	7.0	67.0	7.0	82.0	8.0
LYMP #	0.9	0.3	2.1	0.7	2.7	1.5
MONO #	0.3	0.2	0.5	0.5	0.9	1.1
GRAN #	0.7	0.3	5.1	0.8	16.4	1.9

Mindray BC-2800, BC-2600 (software version lower than 2.0)

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	1.8	0.5	7.7	1.0	20.8	2.5
RBC 10^{12}/l	2.25	0.18	4.40	0.24	5.41	0.30
Hb g/dl	6.3	0.4	13.8	0.6	18.8	0.8
Hb mmol/l	3.9	0.3	8.6	0.4	11.7	0.5
Hct %	17.6	1.5	38.3	2.0	51.4	2.4
Hct l/l	0.176	0.015	0.383	0.020	0.514	0.024
MCV fl	78.0	5.0	87.0	5.0	95.0	5.0
MCH pg	28.0	2.5	31.4	2.5	34.8	2.5
MCH fmol	1.74	0.16	1.95	0.16	2.16	0.16
MCHC g/dl	35.9	3.0	36.1	3.0	36.6	3.0
MCHC mmol/l	22.3	1.8	22.4	1.8	22.7	1.8
RDW-CV	14.5	3.0	15.0	3.0	14.5	3.0
RDW-SD	37.0	6.0	43.0	6.0	44.5	8.0
Plts 10^9/l	65	20	255	40	510	60
MPV fl	9.3	3.0	9.0	3.0	9.0	3.0
PCT %	0.06	0.05	0.23	0.10	0.46	0.20
PCT ml/l	0.60	0.50	2.30	1.00	4.59	2.00
PDW fl	16.3	3.0	16.1	3.0	16.0	3.0
LYMP %	60.0	8.0	31.5	7.0	13.0	6.0
MONO %	8.5	7.0	7.5	6.0	8.0	5.0
GRAN %	31.5	7.0	61.0	7.0	79.0	8.0
LYMP #	1.1	0.3	2.4	0.7	2.7	1.5
MONO #	0.2	0.2	0.6	0.5	1.7	1.1
GRAN #	0.6	0.3	4.7	0.8	16.4	1.9

Mindray BC-2800, BC-2600 (software version 2.0 or higher)

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	1.9	0.5	7.7	1.0	20.3	2.5
RBC 10^{12}/l	2.28	0.18	4.45	0.24	5.45	0.30
Hb g/dl	6.3	0.4	13.8	0.6	18.7	0.8
Hb mmol/l	3.9	0.3	8.6	0.4	11.6	0.5
Hct %	17.3	1.5	38.3	2.0	51.5	2.4
Hct l/l	0.173	0.015	0.383	0.020	0.515	0.024
MCV fl	76.0	5.0	86.0	5.0	94.5	5.0
MCH pg	27.6	2.5	31.0	2.5	34.3	2.5
MCH fmol	1.71	0.16	1.92	0.16	2.13	0.16
MCHC g/dl	36.4	3.0	36.1	3.0	36.3	3.0
MCHC mmol/l	22.6	1.8	22.4	1.8	22.5	1.8
RDW-CV	16.0	3.0	15.5	3.0	14.8	3.0
RDW-SD	41.0	6.0	44.0	6.0	47.5	8.0
Plts 10^9/l	70	20	240	40	480	60
MPV fl	9.5	3.0	9.2	3.0	9.3	3.0
PCT %	0.07	0.05	0.22	0.10	0.45	0.20
PCT ml/l	0.67	0.50	2.21	1.00	4.46	2.00
PDW fl	14.9	3.0	14.7	3.0	14.7	3.0
LYMP %	57.0	8.0	32.0	7.0	14.5	6.0
MONO %	10.5	7.0	6.0	6.0	5.0	5.0
GRAN %	32.5	7.0	62.0	7.0	80.5	8.0
LYMP #	1.1	0.3	2.5	0.7	2.9	1.5
MONO #	0.2	0.2	0.5	0.5	1.0	1.1
GRAN #	0.6	0.3	4.8	0.8	16.3	1.9

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

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	1.9	0.5	7.6	1.0	20.0	2.5
RBC 10^{12}/l	2.38	0.18	4.58	0.24	5.64	0.30
Hb g/dl	6.3	0.4	13.8	0.6	18.8	0.8
Hb mmol/l	3.9	0.3	8.6	0.4	11.7	0.5
Hct %	18.6	1.5	40.3	2.0	54.1	2.4
Hct l/l	0.186	0.015	0.403	0.020	0.541	0.024
MCV fl	78.0	5.0	88.0	5.0	96.0	5.0
MCH pg	26.5	2.5	30.1	2.5	33.3	2.5
MCH fmol	1.64	0.16	1.87	0.16	2.07	0.16
MCHC g/dl	33.9	3.0	34.2	3.0	34.7	3.0
MCHC mmol/l	21.1	1.8	21.2	1.8	21.5	1.8
RDW-CV	14.0	3.0	13.7	3.0	13.4	3.0
RDW-SD	41.5	6.0	44.6	6.0	46.8	8.0
Plts 10^9/l	70	20	245	40	480	60
MPV fl	10.4	3.0	10.0	3.0	10.2	3.0
PCT %	0.07	0.05	0.25	0.10	0.49	0.20
PCT ml/l	0.73	0.50	2.45	1.00	4.90	2.00
PDW fl	16.2	3.0	15.7	3.0	15.7	3.0
LYMP %	48.5	8.0	27.5	7.0	15.5	6.0
MONO %	16.0	7.0	6.5	6.0	4.5	5.0
GRAN %	35.5	7.0	66.0	7.0	80.0	8.0
LYMP #	0.9	0.3	2.1	0.7	3.1	1.5
MONO #	0.3	0.2	0.5	0.5	0.9	1.1
GRAN #	0.7	0.3	5.0	0.8	16.0	1.9

Mindray: BC-3000 with Cymet Mindray CN-free (old models s/n A59xxx)

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.0	0.5	7.7	1.0	19.0	2.5
RBC 10^{12}/l	2.17	0.18	4.29	0.24	5.39	0.30
Hb g/dl **	6.3	0.4	14.4	0.6	19.2	0.8
Hb mmol/l **	3.9	0.3	8.9	0.4	11.9	0.5
Hct %	18.0	1.5	39.5	2.0	52.8	2.4
Hct l/l	0.180	0.015	0.395	0.020	0.528	0.024
MCV fl	83.0	5.0	92.0	5.0	98.0	5.0
MCH pg **	29.0	2.5	33.6	2.5	35.6	2.5
MCH fmol **	1.80	0.16	2.08	0.16	2.21	0.16
MCHC g/dl **	35.0	3.0	36.5	3.0	36.3	3.0
MCHC mmol/l **	21.7	1.8	22.6	1.8	22.6	1.8
RDW-CV	13.8	3.0	13.8	3.0	13.8	3.0
RDW-SD	40.9	6.0	45.3	6.0	48.3	6.0
Plts 10^9/l	77	20	242	40	451	60
MPV fl	8.2	3.0	8.3	3.0	8.5	3.0
LYMP %	61.0	8.0	30.5	7.0	14.0	6.0
MONO %	9.0	7.0	6.0	6.0	4.0	4.0
GRAN %	30.0	7.0	63.5	7.0	82.0	8.0
LYMP #	1.2	0.3	2.3	0.7	2.7	1.4
MONO #	0.2	0.2	0.5	0.5	0.8	0.8
GRAN #	0.6	0.3	4.9	0.7	15.6	1.8

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

Hb g/dl	6.0	0.4	13.4	0.6	17.9	0.8
Hb mmol/l	3.7	0.3	8.3	0.4	11.1	0.5
MCH pg	27.6	2.5	31.2	2.5	33.2	2.5
MCH fmol	1.72	0.16	1.94	0.16	2.06	0.16
MCHC g/dl	33.3	3.0	34.0	3.0	33.9	3.0
MCHC mmol/l	20.7	1.8	21.1	1.8	21.0	1.8

Mindray BC-2300, BC-2100

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	1.8	0.5	7.6	1.0	20.2	2.5
RBC 10^{12}/l	2.28	0.18	4.46	0.24	5.40	0.30
Hb g/dl	6.4	0.4	13.6	0.6	18.4	0.8
Hb mmol/l	4.0	0.3	8.4	0.4	11.4	0.5
Hct %	17.1	1.5	38.1	2.0	50.8	2.4
Hct l/l	0.171	0.015	0.381	0.020	0.508	0.024
MCV fl	75.0	5.0	85.5	5.0	94.0	5.0
MCH pg	28.1	2.5	30.5	2.5	34.1	2.5
MCH fmol	1.74	0.16	1.89	0.16	2.11	0.16
MCHC g/dl	37.4	3.0	35.7	3.0	36.2	3.0
MCHC mmol/l	23.2	1.8	22.1	1.8	22.5	1.8
RDW-CV	15.0	3.0	14.5	3.0	14.0	3.0
RDW-SD	29.0	6.0	33.0	6.0	35.0	8.0
Plts 10^9/l	70	20	235	40	465	60
MPV fl	10.9	3.0	10.4	3.0	10.7	3.0
PCT %	0.08	0.05	0.24	0.10	0.50	0.20
PCT ml/l	0.76	0.50	2.44	1.00	4.98	2.00
PDW fl	15.0	3.0	14.6	3.0	14.7	3.0
LYMP %	56.5	8.0	32.0	7.0	14.5	6.0
MONO %	10.0	7.0	6.0	6.0	5.5	5.0
GRAN %	33.5	7.0	62.0	7.0	80.0	8.0
LYMP #	1.0	0.3	2.4	0.7	2.9	1.4
MONO #	0.2	0.2	0.5	0.5	1.1	1.0
GRAN #	0.6	0.3	4.7	0.8	16.2	1.9