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 11.0

REF : 3734-3735-3736-3752-3753-3754-3820-3821-3822

LOT : 191

: 2010, 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	2.1	0.4	8.0	0.8	20.4	2.0
RBC 10^{12}/l	2.45	0.12	4.65	0.15	5.80	0.18
Hb g/dl	6.2	0.4	13.7	0.5	18.3	0.6
Hb mmol/l	3.8	0.3	8.5	0.3	11.4	0.4
Hct %	18.1	1.5	39.5	2.4	52.2	3.0
Hct l/l	0.181	0.015	0.395	0.024	0.522	0.030
MCV fl	74	4	85	4	90	4
MCH pg	25.3	2.4	29.5	2.8	31.6	2.8
MCH fmol	1.57	0.14	1.83	0.11	1.96	0.11
MCHC g/dl	34.2	3.0	34.7	3.0	35.1	3.0
MCHC mmol/l	21.2	1.8	21.5	1.8	21.8	1.8
RDW %	15.9	3.0	16.0	3.0	14.5	3.0
Plts 10^9/l	66	15	257	30	497	55
MPV fl	8.2	2.0	8.5	1.5	8.7	1.5
PDW %	17.5	2.5	16.5	2.5	16.4	2.5
LYMP %	56.6	5.0	31.4	4.0	14.8	4.8
MONO %	13.5	4.0	7.6	4.0	5.4	3.0
GRAN %	29.9	4.0	61.0	5.0	79.8	5.0
LYMP #	1.2	0.2	2.5	0.4	3.0	0.9
MONO #	0.3	0.3	0.6	0.6	1.1	1.1
GRAN #	0.6	0.2	4.9	0.5	16.3	1.2

ABX Roche: Micros; Bayer: Advia 60

	LOW		NORMAL		HIGH	
Parameters	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	2.46	0.12	4.61	0.15	5.79	0.18
Hb g/dl	5.9	0.4	13.7	0.5	18.2	0.6
Hb mmol/l	3.6	0.2	8.5	0.3	11.3	0.4
Hct %	16.9	1.5	38.1	2.4	51.6	3.0
Hct l/l	0.169	0.015	0.381	0.024	0.516	0.030
MCV fl	69	4	83	4	89	4
MCH pg	23.9	2.4	29.7	2.8	31.5	2.8
MCH fmol	1.49	0.14	1.84	0.11	1.95	0.11
MCHC g/dl	34.8	3.0	35.9	3.0	35.4	3.0
MCHC mmol/l	21.6	1.8	22.3	1.8	21.9	1.8
RDW %	14.5	3.0	16.4	3.0	14.9	3.0
Plts 10^9/l	72	15	254	30	465	55
MPV fl	7.8	2.0	8.1	1.5	8.2	1.5
LYMP %	49.0	5.0	27.9	4.0	13.5	4.0
MONO %	12.9	4.0	7.5	4.0	4.2	3.0
GRAN %	38.2	5.0	64.6	5.0	82.3	5.0
LYMP #	1.1	0.3	2.1	0.4	2.5	0.8
MONO #	0.3	0.1	0.6	0.3	0.8	0.6
GRAN #	0.8	0.2	4.9	0.6	15.5	1.2

Abbott Cell-Dyn: 1300, 1700, 1800 series

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.3	0.4	7.7	0.8	18.3	2.0
RBC 10^{12}/l	2.48	0.12	4.61	0.15	5.69	0.18
Hb g/dl	6.1	0.4	13.5	0.5	18.1	0.6
Hb mmol/l	3.8	0.2	8.4	0.3	11.2	0.4
Hct %	18.4	1.5	39.6	2.4	51.8	3.0
Hct l/l	0.184	0.015	0.396	0.024	0.518	0.03
MCV fl	74	4	86	4	91	4
MCH pg	24.6	2.4	29.3	2.8	31.8	2.8
MCH fmol	1.53	0.14	1.82	0.11	1.97	0.11
MCHC g/dl	33.2	3.0	34.1	3.0	35.0	3.0
MCHC mmol/l	20.6	1.8	21.1	1.8	21.7	1.8
Plts 10^9/l	62	15	252	30	484	55
MPV fl	9.1	2	9.0	1.5	8.9	1.5
LYMP %	56.6	5.0	31.4	4.0	14.8	4.0
MID %	13.5	4.0	7.6	4.0	5.4	3.0
GRAN %	29.9	4.0	61.0	5.0	79.8	5.0
LYMP #	1.3	0.3	2.4	0.4	2.7	0.8
MID #	0.3	0.1	0.6	0.3	1.0	0.6
GRAN #	0.7	0.2	4.7	0.6	14.6	1.2

Coulter Counter: AcT diff, AcT diff 2

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.1	0.4	8.0	0.8	20.3	2.0
RBC 10^{12}/l	2.45	0.12	4.65	0.15	5.80	0.18
Hb g/dl	6.2	0.4	13.7	0.5	18.3	0.6
Hb mmol/l	3.8	0.3	8.5	0.3	11.4	0.4
Hct %	18.1	1.5	40.0	2.4	52.8	3.0
Hct l/l	0.181	0.015	0.400	0.024	0.528	0.030
MCV fl	74	4	86	4	91	4
MCH pg	25.3	2.4	29.5	2.8	31.6	2.8
MCH fmol	1.57	0.10	1.83	0.11	1.96	0.12
MCHC g/dl	34.2	3.0	34.3	3.0	34.7	3.0
MCHC mmol/l	21.2	1.8	21.3	1.8	21.5	1.8
RDW %	15.9	3.0	16.0	3.0	14.5	3.0
Plts 10^9/l	66	15	255	30	495	55
MPV fl	8.2	2.0	8.5	1.5	8.7	1.5
LYMP %	58.3	5.0	31.0	4.0	13.5	4.8
MONO %	10.7	4.0	6.0	4.0	4.5	3.0
GRAN %	31.0	4.0	63.0	5.0	82.0	5.0
LYMP #	1.2	0.2	2.5	0.4	2.7	0.9
MONO #	0.2	0.2	0.5	0.4	0.9	0.7
GRAN #	0.7	0.2	5.0	0.5	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 %	45.0	6.0	23.3	4.0	10.0	4.0
LYMP #	0.9	0.3	1.9	0.4	2.0	0.9

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	2.1	0.4	7.6	0.8	18.7	2.0
RBC 10^{12}/l	2.43	0.12	4.61	0.15	5.71	0.18
Hb g/dl	6.1	0.4	14.0	0.5	19.5	0.6
Hb mmol/l	3.8	0.2	8.7	0.3	12.1	0.4
Hct %	18.5	1.5	39.8	2.4	54.1	3.0
Hct l/l	0.185	0.015	0.398	0.024	0.541	0.030
MCV fl	76	4	86	4	95	4
MCH pg	25.1	2.4	30.4	2.8	34.2	2.8
MCH fmol	1.56	0.14	1.88	0.11	2.12	0.11
MCHC g/dl	33.0	3.0	35.1	3.0	36.1	3.0
MCHC mmol/l	20.5	1.8	21.8	1.8	22.4	1.8
RDW %	14.8	3.0	15.4	3.0	13.7	3.0
Plts 10^9/l	68	15	262	30	486	55
MPV fl	8.2	2	7.4	1.5	7.1	1.5
LYMP %	60.3	5.0	33.3	4.0	17.8	4.0
MONO %	14.7	4.0	8.2	4.0	5.2	3.0
GRAN %	25.0	4.0	58.4	5.0	77.0	5.0
LYMP #	1.3	0.3	2.5	0.4	3.3	0.8
MONO #	0.3	0.1	0.6	0.3	1.0	0.6
GRAN #	0.5	0.2	4.5	0.6	14.4	1.2

Danam / Drew Excel18 = MWI BT2100, Drew D3

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.2	0.4	8.1	0.8	20.6	2.0
RBC 10^{12}/l	2.57	0.12	4.57	0.15	5.67	0.18
Hb g/dl	6.2	0.4	13.6	0.5	18.4	0.6
Hb mmol/l	3.9	0.2	8.4	0.3	11.4	0.4
Hct %	18.9	1.5	39.3	2.4	51.8	3.0
Hct l/l	0.189	0.015	0.393	0.024	0.518	0.030
MCV fl	74	4	86	4	91	4
MCH pg	24.2	2.4	29.8	2.8	32.4	2.8
MCH fmol	1.50	0.14	1.85	0.11	2.01	0.11
MCHC g/dl	32.9	3.0	34.6	3.0	35.4	3.0
MCHC mmol/l	20.4	1.8	21.5	1.8	22.0	1.8
RDW	12.0	3.0	12.0	3.0	11.6	3.0
Plts 10^9/l	76	15	272	30	484	55
MPV fl	6.8	2	7.6	1.5	7.8	1.5
LYMP %	49.6	5.0	25.2	4.0	11.1	4.0
MONO %	14.0	4.0	7.0	4.0	4.2	3.0
GRAN %	36.4	4.0	67.8	5.0	84.8	5.0
LYMP #	1.1	0.3	2.0	0.4	2.3	0.8
MONO #	0.3	0.1	0.6	0.3	0.9	0.6
GRAN #	0.8	0.2	5.5	0.6	17.4	1.2

Mallinckrodt Baker

Assay values 3-Diff Controls
Combined US and SI Units

D0000803
Version 10.0

LOT : 191

: 2010, May 19th

Diatron: Abacus, Arcus **

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	1.9	0.4	7.7	0.8	20.0	2.0
RBC 10^{12}/l	2.60	0.12	4.82	0.15	5.96	0.20
Hb g/dl	6.0	0.4	13.4	0.5	18.3	0.6
Hb mmol/l	3.7	0.3	8.3	0.4	11.4	0.4
Hct %	20.5	1.5	43.6	2.4	57.1	3.0
Hct l/l	0.205	0.015	0.436	0.024	0.571	0.030
MCV fl	79	4	91	4	96	4
MCH pg	23.1	2.4	27.8	2.8	30.7	2.8
MCH fmol	1.44	0.14	1.73	0.11	1.90	0.11
MCHC g/dl	29.3	3.0	30.7	3.0	32.0	3.0
MCHC mmol/l	18.2	1.8	19.1	1.8	19.9	1.8
RDW-SD fl	55.1	3.0	63.7	3.0	59.5	3.0
RDW-CV %	17.8	3.0	17.9	3.0	15.8	3.0
Plts 10^9/l	63	15	284	30	530	55
MPV fl	8.0	1.5	8.5	1.5	8.9	1.5
PCT %	0.05	0.02	0.24	0.03	0.47	0.04
PCT ml/l	0.50	0.2	2.41	0.3	4.73	0.4
PDW-SD fl	11.0	2.5	11.3	2.5	11.3	3.0
PDW-CV %	38.6	2.5	37.1	2.5	35.4	3.0
LYMP %	53.8	5.0	30.2	4.0	12.5	4.0
MONO %	13.6	4.0	6.7	4.0	5.6	4.0
GRAN %	32.6	4.0	63.1	5.0	81.9	5.0
LYMP #	1.0	0.3	2.3	0.4	2.5	0.8
MONO #	0.3	0.1	0.5	0.3	1.1	0.6
GRAN #	0.6	0.2	4.8	0.6	16.3	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 %	61.2	5.0	37.4	4.0	17.6	4.0
MONO %	12.4	4.0	8.6	4.0	6.9	3.0
GRAN %	26.4	4.0	54.0	5.0	75.5	5.0
LYMP #	1.3	0.3	3.0	0.4	3.6	0.8
MONO #	0.3	0.1	0.7	0.3	1.4	0.6
GRAN #	0.6	0.2	4.3	0.6	15.4	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 %	68.7	5.0	39.4	4.0	18.5	4.0
MONO %	10.9	4.0	8.1	4.0	6.6	3.0
GRAN %	20.4	4.0	52.6	5.0	74.9	5.0
LYMP #	1.4	0.3	3.2	0.4	3.8	0.8
MONO #	0.2	0.1	0.6	0.2	1.3	0.4
GRAN #	0.4	0.2	4.2	0.6	15.3	1.2

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

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.1	0.4	8.2	0.8	21.3	2.0
RBC 10^{12}/l	2.56	0.12	4.66	0.15	5.65	0.18
Hb g/dl	6.0	0.4	13.2	0.5	17.6	0.6
Hb mmol/l	3.7	0.2	8.2	0.3	10.9	0.4
Hct %	19.7	1.5	41.5	2.4	55.4	3.0
Hct l/l	0.197	0.015	0.415	0.024	0.554	0.030
MCV fl	77	4	89	4	98	4
MCH pg	23.4	2.4	28.3	2.8	31.2	2.8
MCH fmol	1.45	0.14	1.76	0.11	1.93	0.11
MCHC g/dl	30.4	3.0	31.8	3.0	31.8	3.0
MCHC mmol/l	18.9	1.8	19.8	1.8	19.7	1.8
RDW %	18.9	3.0	17.5	3.0	15.9	3.0
Plts 10^9/l	76	15	271	30	523	55
MPV fl	9.0	2.0	8.9	1.5	9.2	1.5
PDW %	16.3	2.5	15.1	2.5	14.0	2.5
LYMP %	48.6	5.0	33.2	4.0	26.4	4.0
MONO %	7.1	7.1	3.9	3.9	2.4	2.4
GRAN %	44.3	4.0	62.9	5.0	71.2	5.0
LYMP #	1.0	0.3	2.7	0.4	5.6	0.8
MONO #	0.1	0.1	0.3	0.3	0.5	0.5
GRAN #	0.9	0.2	5.2	0.6	15.2	1.2

Orphee MYTHIC 18

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.1	0.4	8.0	0.8	20.4	2.0
RBC 10^{12}/l	2.45	0.12	4.65	0.15	5.80	0.18
Hb g/dl	6.2	0.4	13.7	0.5	18.3	0.6
Hb mmol/l	3.8	0.2	8.5	0.3	11.4	0.4
Hct %	19.6	1.5	41.9	2.4	54.5	3.0
Hct l/l	0.196	0.015	0.419	0.024	0.545	0.030
MCV fl	80	4	90	4	94	4
MCH pg	25.3	2.4	29.5	2.8	31.6	2.8
MCH fmol	1.57	0.14	1.83	0.11	1.96	0.11
MCHC g/dl	31.6	3.0	32.7	3.0	33.6	3.0
MCHC mmol/l	19.6	1.8	20.3	1.8	20.8	1.8
RDW %	15.9	3.0	16.0	3.0	15.5	3.0
Plts 10^9/l	66	15	251	30	485	55
MPV fl	8.9	2.0	8.9	1.5	8.9	1.5
LYMP %	56.9	5.0	30.2	4.0	14.4	4.0
MONO %	8.9	8.9	4.5	4.5	3.4	3.4
GRAN %	34.2	4.0	65.3	5.0	82.2	5.0
LYMP #	1.2	0.3	2.4	0.4	2.9	0.8
MONO #	0.2	0.2	0.4	0.4	0.7	0.7
GRAN #	0.7	0.2	5.2	0.6	16.8	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.

8ºC
2ºC

IVD

CE

Mallinckrodt Baker

Assay values 3-Diff Controls
Combined US and SI Units

D0000803
Version 10.0

LOT	:	191
	:	2010, May 19th

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

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.1	0.5	8.2	1.0	20.8	2.5
RBC 10^{12}/l	2.51	0.18	4.72	0.24	5.95	0.30
Hb g/dl	6.4	0.4	13.9	0.6	18.9	0.8
Hb mmol/l	4.0	0.3	8.6	0.4	11.7	0.5
Hct %	19.0	1.5	41.3	2.0	55.9	2.4
Hct l/l	0.190	0.015	0.413	0.020	0.559	0.024
MCV fl	75.5	5.0	87.5	5.0	94.0	5.0
MCH pg	25.5	2.5	29.4	2.5	31.8	2.5
MCH fmol	1.58	0.16	1.83	0.16	1.97	0.16
MCHC g/dl	33.8	3.0	33.7	3.0	33.8	3.0
MCHC mmol/l	21.0	1.8	20.9	1.8	21.0	1.8
RDW-CV	13.3	3.0	12.8	3.0	12.2	3.0
RDW-SD	35.5	6.0	40.0	6.0	41.0	8.0
Plts 10^9/l	80	20	265	40	510	60
MPV fl	8.7	3.0	8.5	3.0	8.3	3.0
LYMP %	62.0	9.0	31.0	8.0	12.8	6.0
MONO %	9.0	8.0	7.5	7.0	6.0	5.0
GRAN %	29.0	7.0	61.5	8.0	81.2	8.0
LYMP #	1.3	0.2	2.5	0.7	2.7	1.3
MONO #	0.2	0.2	0.6	0.6	1.2	1.2
GRAN #	0.6	0.2	5.0	0.7	16.9	1.7

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	2.0	0.5	8.2	1.0	21.3	2.5
RBC 10^{12}/l	2.37	0.18	4.56	0.24	5.80	0.30
Hb g/dl	6.4	0.4	14.0	0.6	18.9	0.8
Hb mmol/l	4.0	0.3	8.7	0.4	11.7	0.5
Hct %	18.0	1.5	39.4	2.0	53.4	2.4
Hct l/l	0.180	0.015	0.394	0.020	0.534	0.024
MCV fl	76.0	5.0	86.5	5.0	92.0	5.0
MCH pg	27.0	2.5	30.7	2.5	32.6	2.5
MCH fmol	1.68	0.16	1.91	0.16	2.02	0.16
MCHC g/dl	35.5	3.0	35.5	3.0	35.4	3.0
MCHC mmol/l	22.1	1.8	22.0	1.8	22.0	1.8
RDW-CV	14.2	3.0	14.0	3.0	13.8	3.0
RDW-SD	37.0	6.0	42.0	6.0	43.4	8.0
Plts 10^9/l	70	20	280	40	570	60
MPV fl	9.5	3.0	9.8	3.0	9.7	3.0
PCT %	0.07	0.05	0.27	0.10	0.55	0.20
PCT ml/l	0.67	0.50	2.74	1.00	5.53	2.00
PDW fl	16.0	3.0	16.1	3.0	16.0	3.0
LYMP %	62.5	9.0	33.5	8.0	14.5	6.0
MONO %	10.0	8.0	9.0	7.0	6.0	5.0
GRAN %	27.5	8.0	57.5	9.0	79.5	8.0
LYMP #	1.3	0.2	2.7	0.7	3.1	1.3
MONO #	0.2	0.2	0.7	0.6	1.3	1.3
GRAN #	0.6	0.2	4.7	0.8	16.9	1.8

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	2.0	0.5	8.0	1.0	20.3	2.5
RBC 10^{12}/l	2.40	0.18	4.62	0.24	5.80	0.30
Hb g/dl	6.3	0.4	13.8	0.6	19.0	0.8
Hb mmol/l	3.9	0.3	8.6	0.4	11.8	0.5
Hct %	17.6	1.5	39.5	2.0	53.7	2.4
Hct l/l	0.176	0.015	0.395	0.020	0.537	0.024
MCV fl	73.5	5.0	85.5	5.0	92.5	5.0
MCH pg	26.3	2.5	29.9	2.5	32.8	2.5
MCH fmol	1.63	0.16	1.85	0.16	2.03	0.16
MCHC g/dl	35.7	3.0	34.9	3.0	35.4	3.0
MCHC mmol/l	22.2	1.8	21.7	1.8	22.0	1.8
RDW-CV	15.8	3.0	15.5	3.0	14.5	3.0
RDW-SD	40.2	6.0	45.0	6.0	45.0	8.0
Plts 10^9/l	75	20	270	40	525	60
MPV fl	10.0	3.0	10.0	3.0	10.0	3.0
PCT %	0.08	0.05	0.27	0.10	0.53	0.20
PCT ml/l	0.75	0.50	2.70	1.00	5.25	2.00
PDW fl	15.0	3.0	14.8	3.0	14.8	3.0
LYMP %	61.5	9.0	33.5	8.0	14.5	6.0
MONO %	9.5	7.0	5.5	5.0	4.5	4.0
GRAN %	29.0	8.0	61.0	9.0	81.0	8.0
LYMP #	1.2	0.2	2.7	0.7	2.9	1.2
MONO #	0.2	0.2	0.4	0.4	0.9	0.9
GRAN #	0.6	0.2	4.9	0.8	16.4	1.7

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	2.1	0.5	8.1	1.0	20.5	2.5
RBC 10^{12}/l	2.52	0.18	4.72	0.24	5.92	0.30
Hb g/dl	6.4	0.4	13.9	0.6	19.1	0.8
Hb mmol/l	4.0	0.3	8.6	0.4	11.9	0.5
Hct %	19.2	1.5	41.3	2.0	55.9	2.4
Hct l/l	0.192	0.015	0.413	0.020	0.559	0.024
MCV fl	76.0	5.0	87.5	5.0	94.5	5.0
MCH pg	25.4	2.5	29.4	2.5	32.3	2.5
MCH fmol	1.58	0.16	1.83	0.16	2.00	0.16
MCHC g/dl	33.4	3.0	33.7	3.0	34.1	3.0
MCHC mmol/l	20.7	1.8	20.9	1.8	21.2	1.8
RDW-CV	13.8	3.0	13.3	3.0	13.0	3.0
RDW-SD	38.0	6.0	42.0	6.0	44.0	8.0
Plts 10^9/l	78	20	262	40	502	60
MPV fl	9.4	3.0	9.3	3.0	9.3	3.0
PCT %	0.07	0.05	0.24	0.10	0.47	0.20
PCT ml/l	0.73	0.50	2.44	1.00	4.67	2.00
PDW fl	16.0	3.0	15.8	3.0	15.6	3.0
LYMP %	61.0	12.0	32.0	8.0	14.5	7.0
MONO %	10.0	9.0	8.0	7.0	6.0	5.0
GRAN %	29.0	9.0	60.0	9.0	79.5	8.0
LYMP #	1.3	0.3	2.6	0.7	3.0	1.5
MONO #	0.2	0.2	0.6	0.6	1.2	1.2
GRAN #	0.6	0.2	4.9	0.8	16.3	1.7

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	2.1	0.5	8.0	1.0	19.2	2.5
RBC 10^{12}/l	2.30	0.18	4.48	0.24	5.74	0.30
Hb g/dl **	6.4	0.4	14.6	0.6	19.7	0.8
Hb mmol/l **	4.0	0.3	9.1	0.4	12.2	0.5
Hct %	18.4	1.5	40.8	2.0	54.5	2.4
Hct l/l	0.184	0.015	0.408	0.020	0.545	0.024
MCV fl	80.0	5.0	91.0	5.0	95.0	5.0
MCH pg **	27.8	2.5	32.6	2.5	34.3	2.5
MCH fmol **	1.73	0.16	2.02	0.16	2.13	0.16
MCHC g/dl **	34.8	3.0	35.8	3.0	36.1	3.0
MCHC mmol/l **	21.6	1.8	22.2	1.8	22.4	1.8
RDW-CV	14.7	3.0	15.3	3.0	14.3	3.0
RDW-SD	42.0	6.0	49.7	6.0	48.5	6.0
Plts 10^9/l	73	20	239	40	453	60
MPV fl	8.9	3.0	9.3	3.0	9.2	3.0
LYMP %	56.6	9.0	28.4	8.0	12.3	6.0
MONO %	13.5	8.0	7.6	7.0	5.4	5.4
GRAN %	29.9	7.0	64.0	8.0	82.3	8.0
LYMP #	1.2	0.2	2.3	0.7	2.4	1.3
MONO #	0.3	0.3	0.6	0.6	1.0	1.0
GRAN #	0.6	0.2	5.1	0.7	15.8	1.7

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

Hb g/dl	6.1	0.4	13.6	0.6	18.4	0.8
Hb mmol/l	3.8	0.3	8.4	0.4	11.4	0.5
MCH pg	26.5	2.5	30.4	2.5	32.1	2.5
MCH fmol	1.65	0.16	1.88	0.16	1.99	0.16
MCHC g/dl	33.2	3.0	33.4	3.0	33.7	3.0
MCHC mmol/l	20.6	1.8	20.7	1.8	20.9	1.8

Mindray BC-2300, BC-2100

	LOW		NORMAL		HIGH	
Parameters	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10^9/l	2.0	0.5	7.9	1.0	20.2	2.5
RBC 10^{12}/l	2.43	0.18	4.55	0.24	5.67	0.30
Hb g/dl	6.4	0.4	13.8	0.6	18.6	0.8
Hb mmol/l	4.0	0.3	8.6	0.4	11.5	0.5
Hct %	17.5	1.5	38.4	2.0	51.3	2.4
Hct l/l	0.175	0.015	0.384	0.020	0.513	0.024
MCV fl	72.0	5.0	84.5	5.0	90.5	5.0
MCH pg	26.3	2.5	30.3	2.5	32.8	2.5
MCH fmol	1.63	0.16	1.88	0.16	2.04	0.16
MCHC g/dl	36.6	3.0	35.9	3.0	36.2	3.0
MCHC mmol/l	22.7	1.8	22.3	1.8	22.5	1.8
RDW-CV	13.8	3.0	13.5	3.0	12.5	3.0
RDW-SD	27.5	6.0	30.5	6.0	31.5	8.0
Plts 10^9/l	85	20	270	40	520	60
MPV fl	11.2	3.0	11.3	3.0	11.4	3.0
PCT %	0.10	0.05	0.31	0.10	0.59	0.20
PCT ml/l	0.95	0.50	3.05	1.00	5.93	2.00
PDW fl	14.8	3.0	14.9	3.0	14.9	3.0
LYMP %	58.0	9.0	33.0	8.0	15.2	6.0
MONO %	10.5	8.0	9.0	8.0	6.0	5.0
GRAN %	31.5	8.0	58.0	9.0	78.8	8.0
LYMP #	1.2	0.2	2.6	0.7	3.1	1.3
MONO #	0.2	0.2	0.7	0.7	1.2	1.2
GRAN #	0.6	0.2	4.6	0.8	15.9	1.7