

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

LOT : 215

: 2016-05-19

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	7.6	0.8	20.2	2.0
RBC 10 ¹² /l	2.45	0.15	4.49	0.20	5.54	0.25
Hb g/dl	6.0	0.4	13.5	0.5	17.9	0.6
Hb mmol/l	3.7	0.3	8.4	0.4	11.1	0.5
Hct %	18.0	1.5	38.8	2.4	51.3	3.0
Hct l/l	0.180	0.015	0.388	0.024	0.513	0.030
MCV fl	73.6	4.0	86.4	4.0	92.6	4.0
MCH pg	24.6	2.4	30.1	2.8	32.3	2.8
MCH fmol	1.53	0.16	1.87	0.17	2.01	0.19
MCHC g/dl	33.4	3.0	34.8	3.0	34.9	3.0
MCHC mmol/l	20.7	2.0	21.6	2.0	21.7	2.0
RDW %	16.5	3.0	15.6	3.0	15.0	3.0
Plts 10 ⁹ /l	60	20	237	35	488	60
MPV fl	7.6	2.0	8.4	2.0	8.4	2.0
PDW %	17.2	3.0	16.4	3.0	16.8	3.0
LYMP %	55.2	6.0	33.4	4.0	16.2	4.0
MONO %	14.3	14.3	7.4	7.4	4.5	4.5
GRAN %	30.5	5.0	59.2	5.0	79.3	5.0
LYMP #	1.2	0.2	2.5	0.4	3.3	0.9
MONO #	0.3	0.3	0.6	0.6	0.9	0.9
GRAN #	0.6	0.2	4.5	0.4	16.0	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	7.2	0.8	18.7	2.0
RBC 10 ¹² /l	2.46	0.15	4.45	0.20	5.53	0.25
Hb g/dl	5.7	0.4	13.5	0.5	17.9	0.6
Hb mmol/l	3.5	0.3	8.4	0.4	11.1	0.5
Hct %	16.8	1.5	37.4	2.4	50.7	3.0
Hct l/l	0.168	0.015	0.374	0.024	0.507	0.030
MCV fl	68.3	4.0	83.9	4.0	91.6	4.0
MCH pg	23.3	2.4	30.3	2.8	32.3	2.8
MCH fmol	1.44	0.16	1.88	0.17	2.00	0.19
MCHC g/dl	34.1	3.0	36.1	3.0	35.2	3.0
MCHC mmol/l	21.1	2.0	22.4	2.0	21.9	2.0
RDW %	15.1	3.0	16.0	3.0	15.4	3.0
Plts 10 ⁹ /l	65	20	234	35	456	60
MPV fl	7.3	2.0	8.0	2.0	7.9	2.0
LYMP %	47.8	6.0	29.6	4.0	14.8	4.0
MONO %	13.6	13.6	7.3	7.3	3.5	3.5
GRAN %	38.6	5.0	63.1	5.0	81.7	5.0
LYMP #	1.0	0.2	2.1	0.4	2.8	0.9
MONO #	0.3	0.3	0.5	0.5	0.7	0.7
GRAN #	0.8	0.2	4.5	0.4	15.3	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	7.3	0.8	18.1	2.0
RBC 10 ¹² /l	2.48	0.15	4.45	0.20	5.43	0.25
Hb g/dl	5.9	0.4	13.3	0.5	17.7	0.6
Hb mmol/l	3.7	0.3	8.3	0.4	11.0	0.5
Hct %	18.3	1.5	38.9	2.4	50.8	3.0
Hct l/l	0.183	0.015	0.389	0.024	0.508	0.030
MCV fl	73.6	4.0	87.4	4.0	93.6	4.0
MCH pg	23.9	2.4	29.9	2.8	32.6	2.8
MCH fmol	1.48	0.16	1.85	0.17	2.03	0.19
MCHC g/dl	32.5	3.0	34.2	3.0	34.9	3.0
MCHC mmol/l	20.2	2.0	21.2	2.0	21.6	2.0
Plts 10 ⁹ /l	56	20	232	35	475	60
MPV fl	8.5	2.0	8.9	2.0	8.6	2.0
LYMP %	55.2	6.0	33.4	4.0	16.2	4.0
MID %	14.3	14.3	7.4	7.4	4.5	4.5
GRAN %	30.5	5.0	59.2	5.0	79.3	5.0
LYMP #	1.3	0.2	2.4	0.4	2.9	0.9
MID #	0.3	0.3	0.5	0.5	0.8	0.8
GRAN #	0.7	0.2	4.3	0.4	14.4	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 %	59.7	6.0	39.8	4.0	19.2	4.0
MONO %	13.1	13.1	8.4	8.4	5.8	5.8
GRAN %	27.2	5.0	51.8	5.0	75.0	5.0
LYMP #	1.3	0.2	3.0	0.4	3.9	0.9
MONO #	0.3	0.3	0.6	0.6	1.2	1.2
GRAN #	0.6	0.2	3.9	0.4	15.1	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	7.6	0.8	20.1	2.0
RBC 10 ¹² /l	2.45	0.15	4.49	0.20	5.54	0.25
Hb g/dl	6.0	0.4	13.5	0.5	17.9	0.6
Hb mmol/l	3.7	0.3	8.4	0.4	11.1	0.5
Hct %	18.0	1.5	39.2	2.4	51.9	3.0
Hct l/l	0.180	0.015	0.392	0.024	0.519	0.030
MCV fl	73.6	4.0	87.4	4.0	93.6	4.0
MCH pg	24.6	2.4	30.1	2.8	32.3	2.8
MCH fmol	1.53	0.16	1.87	0.17	2.01	0.19
MCHC g/dl	33.4	3.0	34.4	3.0	34.6	3.0
MCHC mmol/l	20.7	2.0	21.4	2.0	21.4	2.0
RDW %	16.5	3.0	15.6	3.0	15.0	3.0
Plts 10 ⁹ /l	60	20	235	35	486	60
MPV fl	7.6	2.0	8.4	2.0	8.4	2.0
LYMP %	56.9	6.0	33.0	4.0	14.9	4.0
MONO %	11.5	11.5	5.8	5.8	3.6	3.6
GRAN %	31.6	5.0	61.2	5.0	81.5	5.0
LYMP #	1.2	0.2	2.5	0.4	3.0	0.9
MONO #	0.2	0.2	0.4	0.4	0.7	0.7
GRAN #	0.7	0.2	4.7	0.4	16.4	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 %	43.3	6.0	24.9	4.0	10.4	4.0
LYMP #	0.9	0.2	1.9	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	7.6	0.8	20.2	2.0
RBC 10 ¹² /l	2.43	0.15	4.49	0.20	5.46	0.25
Hb g/dl	6.2	0.4	13.8	0.5	18.6	0.6
Hb mmol/l	3.8	0.3	8.6	0.4	11.6	0.5
Hct %	17.9	1.5	39.4	2.4	53.2	3.0
Hct l/l	0.179	0.015	0.394	0.024	0.532	0.030
MCV fl	73.6	4.0	87.8	4.0	97.5	4.0
MCH pg	25.3	2.4	30.7	2.8	34.2	2.8
MCH fmol	1.57	0.16	1.90	0.17	2.12	0.19
MCHC g/dl	34.4	3.0	35.0	3.0	35.0	3.0
MCHC mmol/l	21.3	2.0	21.7	2.0	21.7	2.0
RDW %	15.4	3.0	15.0	3.0	14.2	3.0
Plts 10 ⁹ /l	61	20	241	35	507	60
MPV fl	7.6	2.0	7.3	2.0	6.9	2.0
LYMP %	58.8	8.0	34.7	4.0	19.0	4.0
MONO %	17.9	17.9	8.0	8.0	4.3	4.3
GRAN %	23.3	8.0	57.3	5.0	76.7	5.0
LYMP #	1.2	0.2	2.6	0.4	3.8	0.9
MONO #	0.4	0.4	0.6	0.6	0.9	0.9
GRAN #	0.5	0.4	4.4	0.4	15.5	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	7.6	0.8	19.2	2.0
RBC 10 ¹² /l	2.45	0.15	4.49	0.20	5.54	0.25
Hb g/dl	5.8	0.4	13.5	0.5	17.9	0.6
Hb mmol/l	3.6	0.3	8.4	0.4	11.1	0.5
Hct %	17.5	1.5	39.2	2.4	52.1	3.0
Hct l/l	0.175	0.015	0.392	0.024	0.521	0.030
MCV fl	71.4	4.0	87.4	4.0	94.0	4.0
MCH pg	23.8	2.4	30.1	2.8	32.3	2.8
MCH fmol	1.48	0.16	1.87	0.17	2.01	0.19
MCHC g/dl	33.3	3.0	34.4	3.0	34.4	3.0
MCHC mmol/l	20.7	2.0	21.3	2.0	21.4	2.0
RDW	14.6	3.0	13.1	3.0	12.5	3.0
Plts 10 ⁹ /l	60	20	220	35	453	60
MPV fl	7.6	2.0	8.4	2.0	8.4	2.0
LYMP %	53.2	6.0	30.2	4.0	14.8	4.0
MONO %	13.30	13.23	4.30	4.24	2.50	2.44
GRAN %	33.5	5.0	65.5	5.0	82.7	5.0
LYMP #	1.1	0.2	2.3	0.4	2.8	0.9
MONO #	0.27	0.20	0.33	0.27	0.48	0.42
GRAN #	0.7	0.2	5.0	0.4	15.9	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 %	67.0	6.0	41.9	4.0	20.3	4.0
MONO %	11.5	11.5	7.9	7.9	5.5	5.5
GRAN %	21.5	5.0	50.3	5.0	74.2	5.0
LYMP #	1.4	0.2	3.2	0.4	4.1	0.9
MONO #	0.2	0.2	0.6	0.6	1.1	1.1
GRAN #	0.5	0.2	3.8	0.4	15.0	1.1



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

LOT : 215

 : 2016-05-19

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	7.6	0.8	20.6	2.0
RBC 10 ¹² /l	2.50	0.15	4.60	0.20	5.82	0.25
Hb g/dl	6.1	0.4	13.7	0.5	18.5	0.6
Hb mmol/l	3.8	0.3	8.5	0.4	11.5	0.5
Hct %	18.8	1.5	41.3	2.4	56.6	3.0
Hct l/l	0.188	0.015	0.413	0.024	0.566	0.030
MCV fl	75.1	5.0	89.8	5.0	97.3	5.0
MCH pg	24.4	2.4	29.8	2.8	31.7	2.8
MCH fmol	1.51	0.16	1.85	0.17	1.97	0.19
MCHC g/dl	32.5	3.0	33.1	3.0	32.6	3.0
MCHC mmol/l	20.1	2.0	20.6	2.0	20.3	2.0
RDW-SD fl	55.3	5.0	60.4	5.0	63.5	5.0
RDW-CV %	16.2	3.0	14.8	3.0	14.4	3.0
Plts 10 ⁹ /l	60	20	237	35	468	60
MPV fl	7.6	2.0	8.7	2.0	8.8	2.0
PCT %	0.05	0.02	0.21	0.06	0.41	0.10
PCT ml/l	0.46	0.20	2.07	0.60	4.13	1.00
PDW-SD fl	11.5	2.5	12.7	2.5	13.3	2.5
PDW-CV %	35.3	5.0	36.9	5.0	38.4	5.0
LYMP %	51.4	6.0	31.3	4.0	12.9	4.0
MONO %	11.6	11.6	6.8	6.8	5.8	5.8
GRAN %	37.0	6.0	61.9	5.0	81.3	6.0
LYMP #	1.0	0.3	2.4	0.4	2.7	0.9
MONO #	0.3	0.3	0.5	0.5	1.2	1.2
GRAN #	0.6	0.2	4.7	0.4	16.8	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	1.8	0.4	6.5	0.8	15.8	2.0
RBC 10 ¹² /l	2.42	0.15	4.46	0.20	5.46	0.25
Hb g/dl	6.1	0.4	13.5	0.5	17.9	0.6
Hb mmol/l	3.8	0.3	8.4	0.4	11.1	0.5
Hct %	16.7	1.5	36.7	2.4	48.6	3.0
Hct l/l	0.167	0.015	0.367	0.024	0.486	0.030
MCV fl	68.9	4.0	82.3	4.0	88.9	4.0
MCH pg	25.3	2.4	30.3	2.8	32.8	2.8
MCH fmol	1.57	0.16	1.88	0.17	2.04	0.19
MCHC g/dl	36.8	3.0	36.8	3.0	36.9	3.0
MCHC mmol/l	22.8	2.0	22.8	2.0	22.9	2.0
RDW %	14.6	3.0	16.9	3.0	16.9	3.0
Plts 10 ⁹ /l	59	20	223	35	429	60
MPV fl	7.1	2.0	8.1	2.0	8.1	2.0
LYMP %	61.9	9.0	38.2	6.0	19.3	4.0
MONO %	12.1	12.1	9.3	9.3	7.2	7.2
GRAN %	26.0	5.0	52.5	9.0	73.5	10.0
LYMP #	1.1	0.2	2.5	0.4	3.0	0.9
MONO #	0.2	0.2	0.6	0.6	1.1	1.1
GRAN #	0.5	0.2	3.4	0.4	11.6	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	7.6	0.8	19.6	2.0
RBC 10 ¹² /l	2.45	0.15	4.39	0.20	5.34	0.25
Hb g/dl	6.0	0.4	13.8	0.5	19.0	0.6
Hb mmol/l	3.7	0.3	8.4	0.4	11.8	0.5
Hct %	18.0	1.5	39.2	2.4	51.9	3.0
Hct l/l	0.180	0.015	0.392	0.024	0.519	0.030
MCV fl	75.6	4.0	87.4	4.0	94.6	4.0
MCH pg	24.6	2.4	31.4	2.8	35.6	2.8
MCH fmol	1.53	0.2	1.91	0.2	2.21	0.2
MCHC g/dl	33.4	3.0	35.2	3.0	36.7	3.0
MCHC mmol/l	20.7	2.0	21.4	2.0	22.8	2.0
RDW-CV %	12.2	3.0	11.4	3.0	11.0	3.0
RDW-SD fl	35.0	5.0	40.8	5.0	43.5	5.0
Plts 10 ⁹ /l	52	20	225	35	486	60
MPV fl	9.5	2.0	9.7	2.0	9.4	2.0
PCT %	0.05	0.02	0.22	0.06	0.46	0.10
PCT ml/l	0.49	0.20	2.18	0.60	4.57	1.00
PDW %	9.0	3.0	12.1	3.0	12.8	3.0
LYMP %	49.9	8.0	29.3	5.0	12.4	4.0
MONO %	17.8	17.8	8.3	8.3	6.5	6.5
GRAN %	32.3	6.0	62.4	8.0	81.1	8.0
LYMP #	0.9	0.2	2.2	0.4	2.4	0.9
MONO #	0.3	0.3	0.6	0.6	1.3	1.3
GRAN #	0.6	0.2	4.7	0.8	15.9	1.1

Avantor BeneSphera™ H32

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	1.9	0.4	7.6	0.8	19.6	2.0
RBC 10 ¹² /l	2.45	0.15	4.39	0.20	5.34	0.25
Hb g/dl	6.0	0.4	13.8	0.5	19.0	0.6
Hb mmol/l	3.7	0.3	8.4	0.4	11.8	0.5
Hct %	18.0	1.5	39.2	2.4	51.9	3.0
Hct l/l	0.180	0.015	0.392	0.024	0.519	0.030
MCV fl	75.6	4.0	87.4	4.0	94.6	4.0
MCH pg	24.6	2.4	31.4	2.8	35.6	2.8
MCH fmol	1.53	0.2	1.91	0.2	2.21	0.2
MCHC g/dl	33.4	3.0	35.2	3.0	36.7	3.0
MCHC mmol/l	20.7	2.0	21.4	2.0	22.8	2.0
RDW-CV %	12.2	3.0	11.4	3.0	11.0	3.0
RDW-SD fl	35.0	5.0	40.8	5.0	43.5	5.0
Plts 10 ⁹ /l	52	20	225	35	486	60
MPV fl	9.5	2.0	9.7	2.0	9.4	2.0
PCT %	0.05	0.02	0.22	0.06	0.46	0.10
PCT ml/l	0.49	0.20	2.18	0.60	4.57	1.00
PDW %	9.0	3.0	12.1	3.0	12.8	3.0
LYMP %	49.9	8.0	29.3	5.0	12.4	4.0
MONO %	17.8	17.8	8.3	8.3	6.5	6.5
GRAN %	32.3	6.0	62.4	8.0	81.1	8.0
LYMP #	0.9	0.2	2.2	0.4	2.4	0.9
MONO #	0.3	0.3	0.6	0.6	1.3	1.3
GRAN #	0.6	0.2	4.7	0.8	15.9	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	7.6	0.8	19.7	2.0
RBC 10 ¹² /l	2.45	0.15	4.63	0.20	5.39	0.25
Hb g/dl	6.0	0.4	13.5	0.5	17.9	0.6
Hb mmol/l	3.7	0.3	8.4	0.4	11.1	0.5
Hct %	18.0	1.5	41.2	2.4	54.1	3.0
Hct l/l	0.180	0.015	0.412	0.024	0.541	0.030
MCV fl	73.6	4.0	89.1	4.0	100.4	4.0
MCH pg	24.6	2.4	29.2	2.8	33.2	2.8
MCH fmol	1.53	0.16	1.81	0.17	2.06	0.19
MCHC g/dl	33.4	3.0	32.7	3.0	33.1	3.0
MCHC mmol/l	20.7	2.0	20.3	2.0	20.5	2.0
RDW %	16.5	3.0	15.6	3.0	15.0	3.0
Plts 10 ⁹ /l	70	20	231	35	440	60
MPV fl	7.6	2.0	8.4	2.0	8.4	2.0
PDW %	17.2	3.0	16.4	3.0	16.8	3.0
LYMP %	54.9	9.0	33.4	4.0	16.2	4.0
MONO %	11.0	11.0	7.4	7.4	4.5	4.5
GRAN %	34.1	5.0	59.2	9.0	79.3	10.0
LYMP #	1.0	0.2	2.5	0.4	3.2	0.9
MONO #	0.3	0.3	0.6	0.6	0.9	0.9
GRAN #	0.6	0.2	4.5	0.4	15.6	1.1

Urit 2900 Plus

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	1.8	0.4	7.6	0.8	21.6	2.0
RBC 10 ¹² /l	2.45	0.15	4.61	0.20	5.74	0.25
Hb g/dl	5.9	0.4	13.2	0.5	16.9	0.6
Hb mmol/l	3.7	0.3	8.2	0.4	10.5	0.5
Hct %	17.4	1.5	37.5	2.4	48.0	3.0
Hct l/l	0.174	0.015	0.375	0.024	0.480	0.030
MCV fl	71.1	4.0	81.4	4.0	83.6	4.0
MCH pg	24.2	2.4	28.6	2.8	29.5	2.8
MCH fmol	1.50	0.2	1.78	0.2	1.83	0.2
MCHC g/dl	34.0	3.0	35.2	3.0	35.3	3.0
MCHC mmol/l	21.1	2.0	21.8	2.0	21.9	2.0
RDW-CV %	15.0	3.0	14.6	3.0	14.7	3.0
RDW-SD fl	21.0	5.0	30.8	5.0	43.5	5.0
Plts 10 ⁹ /l	59	20	217	35	366	60
MPV fl	16.5	2.0	13.6	2.0	12.8	2.0
PCT %	0.10	0.02	0.29	0.06	0.47	0.10
PCT ml/l	0.97	0.20	2.94	0.60	4.68	1.00
PDW %	13.5	3.0	13.8	3.0	14.3	3.0
LYMP %	54.9	8.0	31.5	5.0	13.2	4.0
MONO %	11.0	11.0	5.1	5.1	3.8	3.8
GRAN %	34.1	6.0	63.4	8.0	83.0	8.0
LYMP #	1.0	0.2	2.4	0.4	2.9	0.9
MONO #	0.2	0.2	0.4	0.4	0.8	0.8
GRAN #	0.6	0.2	4.8	0.8	17.9	1.1

LOT : 215
: 2016-05-19

Mindray BC-3200, BC-3000CT

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.0	0.5	7.9	1.0	20.9	2.5
RBC 10 ¹² /l	2.52	0.18	4.62	0.24	5.73	0.30
Hb g/dl	6.1	0.4	13.8	0.6	18.8	0.8
Hb mmol/l	3.8	0.3	8.6	0.4	11.7	0.5
Hct %	18.6	1.5	40.9	2.0	55.0	2.4
Hct l/l	0.186	0.015	0.409	0.020	0.550	0.024
MCV fl	74.0	5.0	88.5	5.0	96.0	5.0
MCH pg	24.2	2.5	29.9	2.5	32.8	2.5
MCH fmol	1.50	0.16	1.85	0.17	2.04	0.19
MCHC g/dl	32.7	3.0	33.8	3.0	34.2	3.0
MCHC mmol/l	20.4	2.0	20.9	2.0	21.2	2.0
RDW-CV	14.5	3.0	13.5	3.0	13.0	3.0
RDW-SD	35.0	6.0	40.0	6.0	41.0	8.0
Plts 10 ⁹ /l	70	20	242	40	485	60
MPV fl	7.9	3.0	8.2	3.0	7.9	3.0
LYMP %	53.0	12.0	29.5	8.0	13.0	6.0
MONO %	14.0	9.0	8.0	7.0	5.5	5.0
GRAN %	33.0	10.0	62.5	8.0	81.5	8.0
LYMP #	1.1	0.3	2.3	0.5	2.7	1.3
MONO #	0.3	0.2	0.6	0.6	1.1	1.0
GRAN #	0.7	0.3	4.9	0.7	17.0	1.7

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	7.7	1.0	20.4	2.5
RBC 10 ¹² /l	2.50	0.18	4.57	0.24	5.66	0.30
Hb g/dl	6.1	0.4	13.7	0.6	18.8	0.8
Hb mmol/l	3.8	0.3	8.5	0.4	11.7	0.5
Hct %	18.1	1.5	40.0	2.0	53.8	2.4
Hct l/l	0.181	0.015	0.400	0.020	0.538	0.024
MCV fl	72.5	5.0	87.5	5.0	95.0	5.0
MCH pg	24.4	2.5	30.0	2.5	33.2	2.5
MCH fmol	1.51	0.16	1.86	0.17	2.06	0.19
MCHC g/dl	33.7	3.0	34.3	3.0	35.0	3.0
MCHC mmol/l	20.9	2.0	21.3	2.0	21.7	2.0
RDW-CV	16.5	3.0	16.0	3.0	15.0	3.0
RDW-SD	41.5	6.0	47.5	6.0	48.5	8.0
Plts 10 ⁹ /l	70	20	247	40	482	60
MPV fl	9.6	3.0	9.9	3.0	9.7	3.0
PCT %	0.06	0.05	0.24	0.10	0.46	0.20
PCT ml/l	0.60	0.50	2.40	1.00	4.60	2.00
PDW fl	15.0	3.0	14.9	3.0	14.8	3.0
LYMP %	56.5	10.0	31.5	8.0	14.1	7.0
MONO %	12.0	6.0	6.5	5.0	4.6	4.0
GRAN %	31.5	9.0	62.0	9.0	81.3	8.0
LYMP #	1.1	0.2	2.4	0.7	2.9	1.5
MONO #	0.2	0.1	0.5	0.4	0.9	0.8
GRAN #	0.6	0.2	4.8	0.7	16.6	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	20.5	2.5
RBC 10 ¹² /l	2.58	0.18	4.68	0.24	5.83	0.30
Hb g/dl	6.3	0.4	13.6	0.6	18.7	0.8
Hb mmol/l	3.9	0.3	8.4	0.4	11.6	0.5
Hct %	19.0	1.5	40.5	2.0	54.5	2.4
Hct l/l	0.190	0.015	0.405	0.020	0.545	0.024
MCV fl	73.5	5.0	86.5	5.0	93.5	5.0
MCH pg	24.4	2.5	29.1	2.5	32.1	2.5
MCH fmol	1.52	0.16	1.80	0.17	1.99	0.19
MCHC g/dl	33.2	3.0	33.6	3.0	34.3	3.0
MCHC mmol/l	20.6	2.0	20.8	2.0	21.3	2.0
RDW-CV	16.0	3.0	15.0	3.0	14.5	3.0
RDW-SD	33.5	8.0	39.0	8.0	40.0	8.0
Plts 10 ⁹ /l	65	20	250	40	523	60
MPV fl	8.7	3.0	9.1	3.0	9.0	3.0
PCT %	0.05	0.05	0.23	0.10	0.45	0.20
PCT ml/l	0.50	0.50	2.30	1.00	4.50	2.00
PDW fl	15.0	3.0	15.5	3.0	15.7	3.0
P-LCC	18.0	10.0	78.0	22.0	147.0	30.0
P-LCR	27.0	9.0	30.5	9.0	29.5	9.0
LYMP %	53.0	9.0	29.5	8.0	13.0	8.0
MONO %	16.0	8.0	8.5	6.0	6.0	4.0
GRAN %	31.0	9.0	62.0	8.0	81.0	8.0
LYMP #	1.0	0.2	2.2	0.6	2.7	1.7
MONO #	0.3	0.2	0.6	0.5	1.2	0.8
GRAN #	0.6	0.2	4.7	0.7	16.6	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	2.0	0.5	7.7	1.0	20.6	2.5
RBC 10 ¹² /l	2.56	0.18	4.65	0.24	5.74	0.30
Hb g/dl	6.1	0.4	13.8	0.6	18.7	0.8
Hb mmol/l	3.8	0.3	8.6	0.4	11.6	0.5
Hct %	18.8	1.5	41.2	2.0	54.8	2.4
Hct l/l	0.188	0.015	0.412	0.020	0.548	0.024
MCV fl	73.5	5.0	88.5	5.0	95.5	5.0
MCH pg	23.8	2.5	29.7	2.5	32.6	2.5
MCH fmol	1.48	0.16	1.84	0.17	2.02	0.19
MCHC g/dl	32.4	3.0	33.5	3.0	34.1	3.0
MCHC mmol/l	20.1	2.0	20.8	2.0	21.2	2.0
RDW-CV	16.5	3.0	15.5	3.0	15.0	3.0
RDW-SD	35.0	6.0	39.5	6.0	40.0	8.0
Plts 10 ⁹ /l	76	20	246	40	495	60
MPV fl	8.2	3.0	8.2	3.0	8.0	3.0
PCT %	0.06	0.05	0.20	0.10	0.39	0.20
PCT ml/l	0.60	0.50	2.00	1.00	3.90	2.00
PDW fl	17.3	3.0	16.3	3.0	16.1	3.0
LYMP %	53.0	12.0	29.0	8.0	13.0	6.0
MONO %	15.0	8.0	9.0	7.0	6.0	5.0
GRAN %	32.0	9.0	62.0	8.0	81.0	8.0
LYMP #	1.1	0.3	2.2	0.7	2.7	1.3
MONO #	0.3	0.2	0.7	0.6	1.2	1.0
GRAN #	0.6	0.2	4.8	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	2.1	0.5	7.6	1.0	19.0	2.5
RBC 10 ¹² /l	2.30	0.18	4.32	0.24	5.48	0.30
Hb g/dl **	6.2	0.4	14.4	0.6	19.3	0.8
Hb mmol/l **	3.9	0.3	8.9	0.4	12.0	0.5
Hct %	18.3	1.5	39.9	2.0	53.5	2.4
Hct l/l	0.183	0.015	0.399	0.020	0.535	0.024
MCV fl	79.6	5.0	92.4	5.0	97.6	5.0
MCH pg **	27.1	2.5	33.3	2.5	35.3	2.5
MCH fmol **	1.68	0.16	2.07	0.17	2.19	0.19
MCHC g/dl **	34.0	3.0	36.1	3.0	36.1	3.0
MCHC mmol/l **	21.1	2.0	22.4	2.0	22.4	2.0
RDW-CV	15.3	3.0	14.9	3.0	14.8	3.0
RDW-SD	43.5	6.0	49.0	6.0	51.4	8.0
Plts 10 ⁹ /l	67	20	219	40	444	60
MPV fl	8.3	3.0	9.2	3.0	8.9	3.0
LYMP %	55.2	12.0	30.4	8.0	13.7	6.0
MONO %	14.3	14.3	7.4	7.4	4.5	4.5
GRAN %	30.5	9.0	62.2	8.0	81.8	8.0
LYMP #	1.2	0.3	2.3	0.7	2.6	1.3
MONO #	0.3	0.3	0.6	0.6	0.9	0.9
GRAN #	0.6	0.2	4.7	0.7	15.5	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	18.0	0.8
Hb mmol/l	3.7	0.3	8.3	0.4	11.2	0.5
MCH pg	25.8	2.5	31.0	2.5	32.9	2.5
MCH fmol	1.60	0.16	1.93	0.17	2.04	0.19
MCHC g/dl	32.4	3.0	33.6	3.0	33.7	3.0
MCHC mmol/l	20.1	2.0	20.8	2.0	20.9	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	7.7	1.0	20.8	2.5
RBC 10 ¹² /l	2.44	0.18	4.50	0.24	5.50	0.30
Hb g/dl	6.3	0.4	13.8	0.6	18.5	0.8
Hb mmol/l	3.9	0.3	8.6	0.4	11.5	0.5
Hct %	17.5	1.5	38.8	2.0	51.1	2.4
Hct l/l	0.175	0.015	0.388	0.020	0.511	0.024
MCV fl	71.5	5.0	86.3	5.0	92.9	5.0
MCH pg	25.7	2.5	30.7	2.5	33.5	2.5
MCH fmol	1.60	0.16	1.91	0.16	2.08	0.16
MCHC g/dl	36.0	3.0	35.6	3.0	36.1	3.0
MCHC mmol/l	22.3	1.9	22.1	1.9	22.4	1.9
RDW-CV	14.5	3.0	13.5	3.0	12.9	3.0
RDW-SD	33.0	8.0	38.9	8.0	39.3	8.0
Plts 10 ⁹ /l	56	20	230	40	496	60
MPV fl	10.0	3.0	10.5	3.0	10.4	3.0
PCT %	0.06	0.06	0.24	0.10	0.51	0.20
PCT ml/l	0.56	0.56	2.41	1.00	5.13	2.00
PDW fl	14.4	3.0	14.8	3.0	15.7	3.0
LYMP %	54.5	10.0	32.4	8.0	14.4	7.0
MONO %	13.4	13.4	7.8	7.8	6.5	6.5
GRAN %	32.1	9.0	59.8	9.0	79.2	8.0
LYMP #	1.0	0.2	2.5	0.7	3.0	1.5
MONO #	0.3	0.3	0.6	0.6	1.3	1.3
GRAN #	0.6	0.2	4.6	0.7	16.5	1.7