



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

LOT : 222

🕒 : 2018-02-19

Diatron[™]: Abacus, Abacus 3, Abacus Junior, Arcus; Erba: Elite 3
Human: HumaCount 30^{TS}, HumaCount 80^{TS}

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.0	0.5	7.7	0.8	21.0	2.0
RBC 10 ¹² /l	2.39	0.15	4.67	0.20	5.81	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	11.3	0.5
Hct %	18.5	1.5	40.8	2.4	56.5	3.0
Hct l/l	0.185	0.015	0.408	0.024	0.565	0.030
MCV fl	77.6	5.0	87.2	5.0	97.3	5.0
MCH pg	25.5	2.4	28.9	2.8	31.4	2.8
MCH fmol	1.58	0.16	1.79	0.17	1.95	0.19
MCHC g/dl	32.9	3.0	33.1	3.0	32.3	3.0
MCHC mmol/l	20.4	2.0	20.5	2.0	20.1	2.0
RDW-SD fl	56.9	5.0	60.2	5.0	63.5	5.0
RDW-CV %	16.1	3.0	15.2	3.0	14.4	3.0
Pits 10 ⁹ /l	66	20	250	35	487	60
MPV fl	8.1	2.0	8.6	2.0	8.7	2.0
PCT %	0.05	0.02	0.22	0.06	0.42	0.10
PCT ml/l	0.53	0.20	2.15	0.60	4.24	1.00
PDW-SD fl	12.3	2.5	12.5	2.5	13.2	2.5
PDW-CV %	35.3	5.0	36.9	5.0	38.4	5.0
LYMP %	56.1	6.0	31.4	4.0	12.4	4.0
MONO %	7.5	7.5	6.2	6.2	6.4	6.4
GRAN %	36.4	6.0	62.4	5.0	81.2	6.0
LYMP #	1.1	0.3	2.4	0.4	2.6	0.9
MONO #	0.2	0.2	0.5	0.5	1.4	1.4
GRAN #	0.6	0.2	4.8	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	1.8	0.4	6.6	0.8	16.2	2.0
RBC 10 ¹² /l	2.31	0.15	4.53	0.20	5.45	0.25
Hb g/dl	6.1	0.4	13.3	0.5	17.7	0.6
Hb mmol/l	3.8	0.3	8.3	0.4	11.0	0.5
Hct %	16.5	1.5	36.1	2.4	48.5	3.0
Hct l/l	0.165	0.015	0.361	0.024	0.485	0.030
MCV fl	71.4	4.0	79.8	4.0	88.9	4.0
MCH pg	26.5	2.4	29.4	2.8	32.5	2.8
MCH fmol	1.65	0.16	1.82	0.17	2.02	0.19
MCHC g/dl	37.2	3.0	36.8	3.0	36.6	3.0
MCHC mmol/l	23.1	2.0	22.8	2.0	22.7	2.0
RDW %	14.5	3.0	17.3	3.0	16.9	3.0
Pits 10 ⁹ /l	65	20	236	35	448	60
MPV fl	7.6	2.0	8.0	2.0	8.0	2.0
LYMP %	66.9	9.0	38.3	6.0	18.7	4.0
MONO %	7.1	7.1	8.6	8.6	7.7	7.7
GRAN %	26.0	5.0	53.1	9.0	73.6	10.0
LYMP #	1.2	0.2	2.5	0.4	3.0	0.9
MONO #	0.1	0.1	0.6	0.6	1.2	1.2
GRAN #	0.5	0.2	3.5	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	1.9	0.4	7.7	0.8	20.0	2.0
RBC 10 ¹² /l	2.34	0.15	4.46	0.20	5.33	0.25
Hb g/dl	6.0	0.4	13.6	0.5	18.8	0.6
Hb mmol/l	3.7	0.3	8.3	0.4	11.7	0.5
Hct %	17.8	1.5	38.7	2.4	51.8	3.0
Hct l/l	0.178	0.015	0.387	0.024	0.518	0.030
MCV fl	78.1	4.0	84.9	4.0	94.6	4.0
MCH pg	25.8	2.4	30.5	2.8	35.3	2.8
MCH fmol	1.60	0.2	1.85	0.2	2.19	0.2
MCHC g/dl	33.9	3.0	35.1	3.0	36.4	3.0
MCHC mmol/l	21.0	2.0	21.3	2.0	22.6	2.0
RDW-CV %	12.1	3.0	11.8	3.0	11.0	3.0
RDW-SD fl	36.6	5.0	40.6	5.0	43.5	5.0
Pits 10 ⁹ /l	58	20	238	35	505	60
MPV fl	10.0	2.0	9.6	2.0	9.3	2.0
PCT %	0.06	0.02	0.23	0.06	0.47	0.10
PCT ml/l	0.58	0.20	2.28	0.60	4.69	1.00
PDW %	9.0	3.0	12.1	3.0	12.8	3.0
LYMP %	54.9	8.0	29.4	5.0	11.8	4.0
MONO %	12.8	12.8	7.6	7.6	7.0	7.0
GRAN %	32.3	6.0	63.0	8.0	81.2	8.0
LYMP #	1.0	0.2	2.3	0.4	2.4	0.9
MONO #	0.2	0.2	0.6	0.6	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	1.9	0.4	7.7	0.8	20.0	2.0
RBC 10 ¹² /l	2.34	0.15	4.46	0.20	5.33	0.25
Hb g/dl	6.0	0.4	13.6	0.5	18.8	0.6
Hb mmol/l	3.7	0.3	8.3	0.4	11.7	0.5
Hct %	17.8	1.5	38.7	2.4	51.8	3.0
Hct l/l	0.178	0.015	0.387	0.024	0.518	0.030
MCV fl	78.1	4.0	84.9	4.0	94.6	4.0
MCH pg	25.8	2.4	30.5	2.8	35.3	2.8
MCH fmol	1.60	0.2	1.85	0.2	2.19	0.2
MCHC g/dl	33.9	3.0	35.1	3.0	36.4	3.0
MCHC mmol/l	21.0	2.0	21.3	2.0	22.6	2.0
RDW-CV %	12.1	3.0	11.8	3.0	11.0	3.0
RDW-SD fl	36.6	5.0	40.6	5.0	43.5	5.0
Pits 10 ⁹ /l	58	20	238	35	505	60
MPV fl	10.0	2.0	9.6	2.0	9.3	2.0
PCT %	0.06	0.02	0.23	0.06	0.47	0.10
PCT ml/l	0.58	0.20	2.28	0.60	4.69	1.00
PDW %	9.0	3.0	12.1	3.0	12.8	3.0
LYMP %	54.9	8.0	29.4	5.0	11.8	4.0
MONO %	12.8	12.8	7.6	7.6	7.0	7.0
GRAN %	32.3	6.0	63.0	8.0	81.2	8.0
LYMP #	1.0	0.2	2.3	0.4	2.4	0.9
MONO #	0.2	0.2	0.6	0.6	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	1.8	0.4	7.7	0.8	20.1	2.0
RBC 10 ¹² /l	2.34	0.15	4.70	0.20	5.38	0.25
Hb g/dl	6.0	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 %	17.8	1.5	40.7	2.4	54.0	3.0
Hct l/l	0.178	0.015	0.407	0.024	0.540	0.030
MCV fl	76.1	4.0	86.6	4.0	100.4	4.0
MCH pg	25.8	2.4	28.3	2.8	32.9	2.8
MCH fmol	1.60	0.16	1.76	0.17	2.04	0.19
MCHC g/dl	33.9	3.0	32.7	3.0	32.8	3.0
MCHC mmol/l	21.0	2.0	20.3	2.0	20.4	2.0
RDW %	16.4	3.0	16.0	3.0	15.0	3.0
Pits 10 ⁹ /l	76	20	244	35	459	60
MPV fl	8.1	2.0	8.3	2.0	8.3	2.0
PDW %	17.2	3.0	16.4	3.0	16.8	3.0
LYMP %	59.9	9.0	33.5	4.0	15.6	4.0
MONO %	6.0	6.0	6.7	6.7	5.0	5.0
GRAN %	34.1	5.0	59.8	9.0	79.4	10.0
LYMP #	1.1	0.2	2.6	0.4	3.1	0.9
MONO #	0.2	0.2	0.5	0.5	1.0	1.0
GRAN #	0.6	0.2	4.6	0.4	16.0	1.1

Urit 2900 Plus

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	1.8	0.4	7.7	0.8	22.0	2.0
RBC 10 ¹² /l	2.34	0.15	4.68	0.20	5.73	0.25
Hb g/dl	5.9	0.4	13.0	0.5	16.7	0.6
Hb mmol/l	3.7	0.3	8.1	0.4	10.4	0.5
Hct %	17.2	1.5	36.9	2.4	47.9	3.0
Hct l/l	0.172	0.015	0.369	0.024	0.479	0.030
MCV fl	73.6	4.0	78.9	4.0	83.6	4.0
MCH pg	25.3	2.4	27.8	2.8	29.2	2.8
MCH fmol	1.57	0.2	1.72	0.2	1.81	0.2
MCHC g/dl	34.4	3.0	35.2	3.0	34.9	3.0
MCHC mmol/l	21.4	2.0	21.9	2.0	21.7	2.0
RDW-CV %	14.9	3.0	15.0	3.0	14.7	3.0
RDW-SD fl	22.6	5.0	30.6	5.0	43.5	5.0
Pits 10 ⁹ /l	65	20	230	35	385	60
MPV fl	17.0	2.0	13.5	2.0	12.7	2.0
PCT %	0.11	0.02	0.31	0.06	0.49	0.10
PCT ml/l	1.11	0.20	3.10	0.60	4.89	1.00
PDW %	13.5	3.0	13.8	3.0	14.3	3.0
LYMP %	59.9	8.0	31.6	5.0	12.6	4.0
MONO %	6.0	6.0	4.4	4.4	4.3	4.3
GRAN %	34.1	6.0	64.0	8.0	83.1	8.0
LYMP #	1.1	0.2	2.4	0.4	2.8	0.9
MONO #	0.1	0.1	0.3	0.3	0.9	0.9
GRAN #	0.6	0.2	4.9	0.8	18.3	1.1

REF : 3433-3434-3435-3466-3467-3468-3502-3503-3504
LOT : 222
 : 2018-02-19

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	2.1	0.4	7.7	0.8	20.6	2.0
RBC 10 ¹² /l	2.34	0.15	4.56	0.20	5.53	0.25
Hb g/dl	6.0	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 %	17.8	1.5	38.2	2.4	51.2	3.0
Hct l/l	0.178	0.015	0.382	0.024	0.512	0.030
MCV fl	76.1	4.0	83.9	4.0	92.6	4.0
MCH pg	25.8	2.4	29.2	2.8	32.0	2.8
MCH fmol	1.60	0.16	1.81	0.17	1.99	0.19
MCHC g/dl	33.9	3.0	34.8	3.0	34.6	3.0
MCHC mmol/l	21.0	2.0	21.6	2.0	21.5	2.0
RDW %	16.4	3.0	16.0	3.0	15.0	3.0
Pits 10 ⁹ /l	66	20	250	35	507	60
MPV fl	8.1	2.0	8.3	2.0	8.3	2.0
PDW %	17.2	3.0	16.4	3.0	16.8	3.0
LYMP %	60.2	6.0	33.5	4.0	15.6	4.0
MONO %	9.3	9.3	6.7	6.7	5.0	5.0
GRAN %	30.5	5.0	59.8	5.0	79.4	5.0
LYMP #	1.3	0.2	2.6	0.4	3.2	0.9
MONO #	0.2	0.2	0.5	0.5	1.0	1.0
GRAN #	0.6	0.2	4.6	0.4	16.4	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	7.3	0.8	19.1	2.0
RBC 10 ¹² /l	2.35	0.15	4.52	0.20	5.52	0.25
Hb g/dl	5.7	0.4	13.3	0.5	17.7	0.6
Hb mmol/l	3.5	0.3	8.2	0.4	11.0	0.5
Hct %	16.6	1.5	36.9	2.4	50.6	3.0
Hct l/l	0.166	0.015	0.369	0.024	0.506	0.030
MCV fl	70.6	4.0	81.5	4.0	91.6	4.0
MCH pg	24.4	2.4	29.4	2.8	32.0	2.8
MCH fmol	1.51	0.16	1.82	0.17	1.98	0.19
MCHC g/dl	34.5	3.0	36.0	3.0	34.9	3.0
MCHC mmol/l	21.4	2.0	22.4	2.0	21.7	2.0
RDW %	15.0	3.0	16.4	3.0	15.4	3.0
Pits 10 ⁹ /l	72	20	247	35	474	60
MPV fl	7.7	2.0	7.9	2.0	7.8	2.0
LYMP %	52.1	6.0	29.7	4.0	14.2	4.0
MONO %	8.9	8.9	6.6	6.6	3.9	3.9
GRAN %	39.1	5.0	63.7	5.0	81.9	5.0
LYMP #	1.1	0.2	2.2	0.4	2.7	0.9
MONO #	0.2	0.2	0.5	0.5	0.7	0.7
GRAN #	0.8	0.2	4.6	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	2.3	0.4	7.4	0.8	18.5	2.0
RBC 10 ¹² /l	2.37	0.15	4.52	0.20	5.42	0.25
Hb g/dl	5.9	0.4	13.1	0.5	17.5	0.6
Hb mmol/l	3.7	0.3	8.1	0.4	10.9	0.5
Hct %	18.0	1.5	38.4	2.4	50.7	3.0
Hct l/l	0.180	0.015	0.384	0.024	0.507	0.030
MCV fl	76.1	4.0	84.9	4.0	93.6	4.0
MCH pg	25.0	2.4	29.0	2.8	32.3	2.8
MCH fmol	1.55	0.16	1.80	0.17	2.01	0.19
MCHC g/dl	32.9	3.0	34.1	3.0	34.5	3.0
MCHC mmol/l	20.4	2.0	21.2	2.0	21.4	2.0
Pits 10 ⁹ /l	62	20	245	35	494	60
MPV fl	9.0	2.0	8.8	2.0	8.5	2.0
LYMP %	60.2	6.0	33.5	4.0	15.6	4.0
MID %	9.3	9.3	6.7	6.7	5.0	5.0
GRAN %	30.5	5.0	59.8	5.0	79.4	5.0
LYMP #	1.4	0.2	2.5	0.4	2.9	0.9
MID #	0.2	0.2	0.5	0.5	0.9	0.9
GRAN #	0.7	0.2	4.4	0.4	14.7	1.1

AVL (Contraves): AVL - 816

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
LYMP %	65.1	6.0	39.9	4.0	18.5	4.0
MONO %	8.5	8.5	7.6	7.6	6.4	6.4
GRAN %	26.4	5.0	52.5	5.0	75.1	5.0
LYMP #	1.4	0.2	3.1	0.4	3.8	0.9
MONO #	0.2	0.2	0.6	0.6	1.3	1.3
GRAN #	0.6	0.2	4.0	0.4	15.5	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	7.7	0.8	20.5	2.0
RBC 10 ¹² /l	2.34	0.15	4.56	0.20	5.53	0.25
Hb g/dl	6.0	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 %	17.8	1.5	38.7	2.4	51.8	3.0
Hct l/l	0.178	0.015	0.387	0.024	0.518	0.030
MCV fl	76.1	4.0	84.9	4.0	93.6	4.0
MCH pg	25.8	2.4	29.2	2.8	32.0	2.8
MCH fmol	1.60	0.16	1.81	0.17	1.99	0.19
MCHC g/dl	33.9	3.0	34.4	3.0	34.2	3.0
MCHC mmol/l	21.0	2.0	21.3	2.0	21.2	2.0
RDW %	16.4	3.0	16.0	3.0	15.0	3.0
Pits 10 ⁹ /l	66	20	248	35	505	60
MPV fl	8.1	2.0	8.3	2.0	8.3	2.0
LYMP %	61.9	6.0	33.1	4.0	14.3	4.0
MONO %	6.5	6.5	5.1	5.1	4.1	4.1
GRAN %	31.6	5.0	61.8	5.0	81.6	5.0
LYMP #	1.3	0.2	2.5	0.4	2.9	0.9
MONO #	0.1	0.1	0.4	0.4	0.8	0.8
GRAN #	0.7	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 ±
LYMP %	48.3	6.0	25.0	4.0	9.8	4.0
LYMP #	1.0	0.2	2.0	0.4	2.0	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	2.1	0.4	7.7	0.8	20.6	2.0
RBC 10 ¹² /l	2.32	0.15	4.56	0.20	5.45	0.25
Hb g/dl	6.2	0.4	13.6	0.5	18.4	0.6
Hb mmol/l	3.8	0.3	8.4	0.4	11.4	0.5
Hct %	17.7	1.5	38.9	2.4	53.1	3.0
Hct l/l	0.177	0.015	0.389	0.024	0.531	0.030
MCV fl	76.1	4.0	85.3	4.0	97.5	4.0
MCH pg	26.5	2.4	29.8	2.8	33.8	2.8
MCH fmol	1.65	0.16	1.85	0.17	2.10	0.19
MCHC g/dl	34.8	3.0	34.9	3.0	34.7	3.0
MCHC mmol/l	21.6	2.0	21.7	2.0	21.5	2.0
RDW %	15.3	3.0	15.4	3.0	14.2	3.0
Pits 10 ⁹ /l	68	20	254	35	527	60
MPV fl	8.1	2.0	7.2	2.0	6.8	2.0
LYMP %	64.2	8.0	34.8	4.0	18.3	4.0
MONO %	11.6	11.6	7.3	7.3	4.8	4.8
GRAN %	24.2	8.0	57.9	5.0	76.9	5.0
LYMP #	1.4	0.2	2.7	0.4	3.8	0.9
MONO #	0.2	0.2	0.6	0.6	1.0	1.0
GRAN #	0.5	0.4	4.5	0.4	15.9	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	7.7	0.8	19.6	2.0
RBC 10 ¹² /l	2.34	0.15	4.56	0.20	5.53	0.25
Hb g/dl	5.8	0.4	13.3	0.5	17.7	0.6
Hb mmol/l	3.6	0.3	8.3	0.4	11.0	0.5
Hct %	17.3	1.5	38.7	2.4	52.0	3.0
Hct l/l	0.173	0.015	0.387	0.024	0.520	0.030
MCV fl	73.8	4.0	84.9	4.0	94.0	4.0
MCH pg	24.9	2.4	29.2	2.8	32.0	2.8
MCH fmol	1.54	0.16	1.81	0.17	1.99	0.19
MCHC g/dl	33.7	3.0	34.4	3.0	34.1	3.0
MCHC mmol/l	20.9	2.0	21.3	2.0	21.2	2.0
RDW %	14.5	3.0	13.5	3.0	12.5	3.0
Pits 10 ⁹ /l	66	20	233	35	470	60
MPV fl	8.1	2.0	8.3	2.0	8.3	2.0
LYMP %	58.2	6.0	30.3	4.0	14.2	4.0
MONO %	8.30	8.23	3.60	3.54	3.00	2.94
GRAN %	33.5	5.0	66.1	5.0	82.8	5.0
LYMP #	1.2	0.2	2.3	0.4	2.8	0.9
MONO #	0.17	0.10	0.28	0.22	0.59	0.53
GRAN #	0.7	0.2	5.1	0.4	16.2	1.1

AVL (Contraves): AVL - 818

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
LYMP %	73.1	6.0	42.0	4.0	19.5	4.0
MONO %	7.5	7.5	7.1	7.1	6.1	6.1
GRAN %	19.4	5.0	50.9	5.0	74.4	5.0
LYMP #	1.5	0.2	3.2	0.4	4.0	0.9
MONO #	0.2	0.2	0.5	0.5	1.3	1.3
GRAN #	0.4	0.2	3.9	0.4	15.3	1.1



LOT : 222
: 2018-02-19

Mindray BC-3200, BC-3000CT

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.0	0.5	8.0	1.0	21.3	2.5
RBC 10 ¹² /l	2.41	0.18	4.69	0.24	5.72	0.30
Hb g/dl	6.1	0.4	13.6	0.6	18.6	0.8
Hb mmol/l	3.8	0.3	8.4	0.4	11.5	0.5
Hct %	18.4	1.5	40.3	2.0	54.9	2.4
Hct l/l	0.184	0.015	0.403	0.020	0.549	0.024
MCV fl	76.5	5.0	86.0	5.0	96.0	5.0
MCH pg	25.3	2.5	29.0	2.5	32.5	2.5
MCH fmol	1.57	0.16	1.80	0.17	2.02	0.18
MCHC g/dl	33.1	3.0	33.7	3.0	33.9	3.0
MCHC mmol/l	20.6	2.0	20.9	2.0	21.0	2.0
RDW-CV	14.4	3.0	13.9	3.0	13.0	3.0
RDW-SD	36.5	6.0	39.0	6.0	40.0	8.0
Plts 10 ⁹ /l	76	20	255	40	504	60
MPV fl	8.4	3.0	8.1	3.0	7.8	3.0
LYMP %	58.0	12.0	29.6	8.0	12.4	6.0
MONO %	9.0	8.0	7.3	7.0	6.0	5.5
GRAN %	33.0	10.0	63.1	8.0	81.6	8.0
LYMP #	1.2	0.3	2.4	0.7	2.6	1.3
MONO #	0.2	0.2	0.6	0.6	1.3	1.2
GRAN #	0.7	0.3	5.0	0.7	17.4	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	2.0	0.5	7.9	1.0	20.6	2.5
RBC 10 ¹² /l	2.32	0.18	4.57	0.24	5.64	0.30
Hb g/dl	6.0	0.4	13.6	0.6	18.7	0.8
Hb mmol/l	3.7	0.3	8.4	0.4	11.6	0.5
Hct %	17.7	1.5	38.6	2.0	52.7	2.4
Hct l/l	0.177	0.015	0.386	0.020	0.527	0.024
MCV fl	76.5	5.0	84.5	5.0	93.5	5.0
MCH pg	25.9	2.5	29.8	2.5	33.2	2.5
MCH fmol	1.61	0.16	1.85	0.17	2.06	0.18
MCHC g/dl	33.8	3.0	35.2	3.0	35.5	3.0
MCHC mmol/l	21.0	2.0	21.9	2.0	22.0	2.0
RDW-CV	16.5	3.0	16.2	3.0	15.0	3.0
RDW-SD	41.5	6.0	45.0	6.0	47.0	8.0
Plts 10 ⁹ /l	60	20	253	40	504	70
MPV fl	9.6	3.0	10.0	3.0	9.8	3.0
PCT %	0.06	0.05	0.25	0.10	0.49	0.20
PCT ml/l	0.60	0.50	2.50	1.00	4.90	2.00
PDW fl	15.0	3.0	14.9	3.0	14.8	3.0
LYMP %	61.1	10.0	32.3	8.0	13.6	7.0
MONO %	8.1	7.0	6.0	5.0	5.2	5.0
GRAN %	30.8	9.0	61.7	9.0	81.2	8.0
LYMP #	1.2	0.2	2.6	0.7	2.8	1.5
MONO #	0.2	0.2	0.5	0.5	1.1	1.1
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	1.9	0.5	7.7	1.0	20.1	2.5
RBC 10 ¹² /l	2.44	0.18	4.78	0.24	5.86	0.30
Hb g/dl	6.2	0.4	13.6	0.6	18.6	0.8
Hb mmol/l	3.8	0.3	8.4	0.4	11.5	0.5
Hct %	18.7	1.5	40.2	2.0	53.9	2.4
Hct l/l	0.187	0.015	0.402	0.020	0.539	0.024
MCV fl	76.5	5.0	84.0	5.0	92.0	5.0
MCH pg	25.4	2.5	28.5	2.5	31.7	2.5
MCH fmol	1.58	0.16	1.77	0.17	1.97	0.18
MCHC g/dl	33.2	3.0	33.9	3.0	34.5	3.0
MCHC mmol/l	20.6	2.0	21.0	2.0	21.4	2.0
RDW-CV	16.0	3.0	15.5	3.0	14.5	3.0
RDW-SD	34.5	8.0	41.5	8.0	42.5	8.0
Plts 10 ⁹ /l	65	20	262	40	534	60
MPV fl	8.7	3.0	9.4	3.0	9.3	3.0
PCT %	0.05	0.05	0.24	0.10	0.48	0.20
PCT ml/l	0.50	0.50	2.40	1.00	4.80	2.00
PDW fl	15.4	3.0	15.7	3.0	15.7	3.0
P-LCC	20.0	10.0	92.0	22.0	165.0	30.0
P-LCR	30.0	9.0	34.5	9.0	31.0	9.0
LYMP %	57.6	9.0	30.4	8.0	12.8	8.0
MONO %	11.5	8.0	7.6	6.0	6.2	6.0
GRAN %	30.9	8.0	62.0	8.0	81.0	9.0
LYMP #	1.1	0.2	2.3	0.7	2.6	1.7
MONO #	0.2	0.2	0.6	0.5	1.2	1.2
GRAN #	0.6	0.2	4.8	0.7	16.3	1.9

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	1.9	0.5	8.0	1.0	20.7	2.5
RBC 10 ¹² /l	2.41	0.18	4.70	0.24	5.75	0.30
Hb g/dl	6.1	0.4	13.5	0.6	18.4	0.8
Hb mmol/l	3.8	0.3	8.4	0.4	11.4	0.5
Hct %	18.6	1.5	40.4	2.0	54.9	2.4
Hct l/l	0.186	0.015	0.404	0.020	0.549	0.024
MCV fl	77.0	5.0	86.0	5.0	95.5	5.0
MCH pg	25.3	2.5	28.7	2.5	32.0	2.5
MCH fmol	1.57	0.16	1.78	0.17	1.99	0.18
MCHC g/dl	32.9	3.0	33.4	3.0	33.5	3.0
MCHC mmol/l	20.4	2.0	20.7	2.0	20.8	2.0
RDW-CV	16.0	3.0	15.5	3.0	14.5	3.0
RDW-SD	37.0	6.0	39.0	6.0	41.0	8.0
Plts 10 ⁹ /l	76	20	253	40	491	60
MPV fl	8.4	3.0	8.5	3.0	8.3	3.0
PCT %	0.06	0.05	0.22	0.10	0.41	0.20
PCT ml/l	0.60	0.50	2.20	1.00	4.10	2.00
PDW fl	17.5	3.0	16.4	3.0	16.1	3.0
LYMP %	57.0	12.0	30.0	8.0	12.0	6.0
MONO %	10.0	8.0	7.7	6.0	6.7	5.0
GRAN %	33.0	9.0	62.3	8.0	81.3	8.0
LYMP #	1.1	0.3	2.4	0.7	2.5	1.3
MONO #	0.2	0.2	0.6	0.5	1.4	1.1
GRAN #	0.6	0.2	5.0	0.7	16.8	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	7.7	1.0	19.4	2.5
RBC 10 ¹² /l	2.19	0.18	4.39	0.24	5.47	0.30
Hb g/dl **	6.2	0.4	14.2	0.6	19.1	0.8
Hb mmol/l **	3.9	0.3	8.8	0.4	11.9	0.5
Hct %	18.0	1.5	39.5	2.0	53.4	2.4
Hct l/l	0.180	0.015	0.395	0.020	0.534	0.024
MCV fl	82.1	5.0	89.9	5.0	97.6	5.0
MCH pg **	28.4	2.5	32.3	2.5	35.0	2.5
MCH fmol **	1.77	0.16	2.01	0.17	2.17	0.18
MCHC g/dl **	34.6	3.0	36.0	3.0	35.8	3.0
MCHC mmol/l **	21.5	2.0	22.3	2.0	22.2	2.0
RDW-CV	15.2	3.0	15.3	3.0	14.8	3.0
RDW-SD	44.6	6.0	48.9	6.0	51.4	8.0
Plts 10 ⁹ /l	73	20	232	40	463	60
MPV fl	8.8	3.0	9.1	3.0	8.8	3.0
LYMP %	60.2	12.0	30.5	8.0	13.1	6.0
MONO %	9.3	9.3	6.7	6.7	5.0	5.0
GRAN %	30.5	9.0	62.8	8.0	81.9	8.0
LYMP #	1.3	0.3	2.3	0.7	2.5	1.3
MONO #	0.2	0.2	0.5	0.5	1.0	1.0
GRAN #	0.6	0.2	4.8	0.7	15.9	1.7

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

Hb g/dl	5.9	0.4	13.2	0.6	17.8	0.8
Hb mmol/l	3.7	0.3	8.2	0.4	11.1	0.5
MCH pg	27.1	2.5	30.1	2.5	32.6	2.5
MCH fmol	1.68	0.16	1.87	0.17	2.02	0.18
MCHC g/dl	33.0	3.0	33.5	3.0	33.4	3.0
MCHC mmol/l	20.5	2.0	20.8	2.0	20.7	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	7.8	1.0	21.2	2.5
RBC 10 ¹² /l	2.33	0.18	4.57	0.24	5.49	0.30
Hb g/dl	6.3	0.4	13.6	0.6	18.3	0.8
Hb mmol/l	3.9	0.3	8.5	0.4	11.3	0.5
Hct %	17.2	1.5	38.3	2.0	51.0	2.4
Hct l/l	0.172	0.015	0.383	0.020	0.510	0.024
MCV fl	74.0	5.0	83.8	5.0	92.9	5.0
MCH pg	27.0	2.5	29.8	2.5	33.2	2.5
MCH fmol	1.67	0.16	1.85	0.16	2.06	0.16
MCHC g/dl	36.4	3.0	35.6	3.0	35.8	3.0
MCHC mmol/l	22.6	1.9	22.1	1.9	22.2	1.9
RDW-CV	14.4	3.0	13.9	3.0	12.9	3.0
RDW-SD	34.5	8.0	37.9	8.0	38.3	8.0
Plts 10 ⁹ /l	62	20	243	40	515	60
MPV fl	10.5	3.0	10.4	3.0	10.3	3.0
PCT %	0.07	0.07	0.25	0.10	0.53	0.20
PCT ml/l	0.65	0.65	2.52	1.00	5.27	2.00
PDW fl	14.4	3.0	14.8	3.0	15.7	3.0
LYMP %	59.5	10.0	32.5	8.0	13.8	7.0
MONO %	8.4	8.4	7.1	7.1	7.0	7.0
GRAN %	32.1	9.0	60.4	9.0	79.3	8.0
LYMP #	1.1	0.2	2.5	0.7	2.9	1.5
MONO #	0.2	0.2	0.5	0.5	1.5	1.5
GRAN #	0.6	0.2	4.7	0.7	16.8	1.7