



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

LOT : 223

: 2018-05-19

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	7.8	0.8	21.3	2.0
RBC 10 ¹² /l	2.37	0.15	4.65	0.20	5.85	0.25
Hb g/dl	6.1	0.4	13.6	0.5	18.3	0.6
Hb mmol/l	3.8	0.3	8.4	0.4	11.3	0.5
Hct %	18.4	1.5	40.8	2.4	56.0	3.0
Hct l/l	0.184	0.015	0.408	0.024	0.560	0.030
MCV fl	77.6	5.0	87.7	5.0	95.7	5.0
MCH pg	25.7	2.4	29.2	2.8	31.2	2.8
MCH fmol	1.60	0.16	1.81	0.17	1.94	0.19
MCHC g/dl	33.1	3.0	33.3	3.0	32.6	3.0
MCHC mmol/l	20.6	2.0	20.7	2.0	20.2	2.0
RDW-SD fl	57.2	5.0	59.0	5.0	60.4	5.0
RDW-CV %	16.2	3.0	14.8	3.0	13.9	3.0
Plt 10 ⁹ /l	70	20	255	35	482	60
MPV fl	8.0	2.0	8.1	2.0	8.6	2.0
PCT %	0.06	0.02	0.21	0.06	0.41	0.10
PCT ml/l	0.56	0.20	2.06	0.60	4.15	1.00
PDW-SD fl	12.1	2.5	11.8	2.5	13.0	2.5
PDW-CV %	35.3	5.0	36.9	5.0	38.4	5.0
LYMP %	56.1	6.0	31.3	4.0	12.9	4.0
MONO %	7.5	7.5	7.1	7.1	5.2	5.2
GRAN %	36.4	6.0	61.6	5.0	82.0	6.0
LYMP #	1.1	0.3	2.4	0.4	2.7	0.9
MONO #	0.3	0.3	0.6	0.6	1.1	1.1
GRAN #	0.6	0.2	4.8	0.4	17.5	1.1

** JT Baker reagents CyMet Abacus+Diuid 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	1.9	0.4	6.7	0.8	16.5	2.0
RBC 10 ¹² /l	2.29	0.15	4.51	0.20	5.49	0.25
Hb g/dl	6.1	0.4	13.4	0.5	17.7	0.6
Hb mmol/l	3.8	0.3	8.3	0.4	11.0	0.5
Hct %	16.4	1.5	36.2	2.4	48.0	3.0
Hct l/l	0.164	0.015	0.362	0.024	0.480	0.030
MCV fl	71.4	4.0	80.3	4.0	87.4	4.0
MCH pg	26.8	2.4	29.7	2.8	32.3	2.8
MCH fmol	1.66	0.16	1.84	0.17	2.00	0.19
MCHC g/dl	37.5	3.0	37.0	3.0	36.9	3.0
MCHC mmol/l	23.3	2.0	23.0	2.0	22.9	2.0
RDW %	14.6	3.0	16.9	3.0	16.4	3.0
Plt 10 ⁹ /l	69	20	241	35	443	60
MPV fl	7.5	2.0	7.5	2.0	7.9	2.0
LYMP %	66.9	9.0	38.2	6.0	19.3	4.0
MONO %	7.1	7.1	9.6	9.6	6.7	6.7
GRAN %	26.0	5.0	52.2	9.0	74.0	10.0
LYMP #	1.3	0.2	2.6	0.4	3.2	0.9
MONO #	0.1	0.1	0.6	0.6	1.1	1.1
GRAN #	0.5	0.2	3.5	0.4	12.2	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	2.0	0.4	7.8	0.8	20.3	2.0
RBC 10 ¹² /l	2.32	0.15	4.44	0.20	5.37	0.25
Hb g/dl	6.0	0.4	13.7	0.5	18.8	0.6
Hb mmol/l	3.7	0.3	8.3	0.4	11.7	0.5
Hct %	17.7	1.5	38.8	2.4	51.3	3.0
Hct l/l	0.177	0.015	0.388	0.024	0.513	0.030
MCV fl	78.1	4.0	85.4	4.0	93.1	4.0
MCH pg	26.0	2.4	30.9	2.8	35.0	2.8
MCH fmol	1.61	0.2	1.87	0.2	2.17	0.2
MCHC g/dl	34.1	3.0	35.3	3.0	36.7	3.0
MCHC mmol/l	21.2	2.0	21.5	2.0	22.8	2.0
RDW-CV %	12.2	3.0	11.4	3.0	10.5	3.0
RDW-SD fl	36.9	5.0	39.4	5.0	40.4	5.0
Plt 10 ⁹ /l	62	20	243	35	500	60
MPV fl	9.9	2.0	9.1	2.0	9.2	2.0
PCT %	0.06	0.02	0.22	0.06	0.46	0.10
PCT ml/l	0.61	0.20	2.21	0.60	4.60	1.00
PDW %	9.0	3.0	12.1	3.0	12.8	3.0
LYMP %	54.9	8.0	29.3	5.0	12.4	4.0
MONO %	12.8	12.8	8.6	8.6	6.0	6.0
GRAN %	32.3	6.0	62.1	8.0	81.6	8.0
LYMP #	1.1	0.2	2.3	0.4	2.5	0.9
MONO #	0.3	0.3	0.7	0.7	1.2	1.2
GRAN #	0.6	0.2	4.8	0.8	16.6	1.1

Avantor BeneSphera™ H32

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.0	0.4	7.8	0.8	20.3	2.0
RBC 10 ¹² /l	2.32	0.15	4.44	0.20	5.37	0.25
Hb g/dl	6.0	0.4	13.7	0.5	18.8	0.6
Hb mmol/l	3.7	0.3	8.3	0.4	11.7	0.5
Hct %	17.7	1.5	38.8	2.4	51.3	3.0
Hct l/l	0.177	0.015	0.388	0.024	0.513	0.030
MCV fl	78.1	4.0	85.4	4.0	93.1	4.0
MCH pg	26.0	2.4	30.9	2.8	35.0	2.8
MCH fmol	1.61	0.2	1.87	0.2	2.17	0.2
MCHC g/dl	34.1	3.0	35.3	3.0	36.7	3.0
MCHC mmol/l	21.2	2.0	21.5	2.0	22.8	2.0
RDW-CV %	12.2	3.0	11.4	3.0	10.5	3.0
RDW-SD fl	36.9	5.0	39.4	5.0	40.4	5.0
Plt 10 ⁹ /l	62	20	243	35	500	60
MPV fl	9.9	2.0	9.1	2.0	9.2	2.0
PCT %	0.06	0.02	0.22	0.06	0.46	0.10
PCT ml/l	0.61	0.20	2.21	0.60	4.60	1.00
PDW %	9.0	3.0	12.1	3.0	12.8	3.0
LYMP %	54.9	8.0	29.3	5.0	12.4	4.0
MONO %	12.8	12.8	8.6	8.6	6.0	6.0
GRAN %	32.3	6.0	62.1	8.0	81.6	8.0
LYMP #	1.1	0.2	2.3	0.4	2.5	0.9
MONO #	0.3	0.3	0.7	0.7	1.2	1.2
GRAN #	0.6	0.2	4.8	0.8	16.6	1.1

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

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	1.9	0.4	7.8	0.8	20.4	2.0
RBC 10 ¹² /l	2.32	0.15	4.68	0.20	5.42	0.25
Hb g/dl	6.0	0.4	13.4	0.5	17.7	0.6
Hb mmol/l	3.7	0.3	8.3	0.4	11.0	0.5
Hct %	17.7	1.5	40.7	2.4	53.6	3.0
Hct l/l	0.177	0.015	0.407	0.024	0.536	0.030
MCV fl	76.1	4.0	87.1	4.0	98.9	4.0
MCH pg	26.0	2.4	28.6	2.8	32.7	2.8
MCH fmol	1.61	0.16	1.78	0.17	2.03	0.19
MCHC g/dl	34.1	3.0	32.9	3.0	33.1	3.0
MCHC mmol/l	21.2	2.0	20.4	2.0	20.5	2.0
RDW %	16.5	3.0	15.6	3.0	14.5	3.0
Plt 10 ⁹ /l	80	20	249	35	454	60
MPV fl	8.0	2.0	7.8	2.0	8.2	2.0
PDW %	17.2	3.0	16.4	3.0	16.8	3.0
LYMP %	59.9	9.0	33.4	4.0	16.2	4.0
MONO %	6.0	6.0	7.7	7.7	4.0	4.0
GRAN %	34.1	5.0	58.9	9.0	79.8	10.0
LYMP #	1.1	0.2	2.6	0.4	3.3	0.9
MONO #	0.2	0.2	0.6	0.6	0.8	0.8
GRAN #	0.6	0.2	4.6	0.4	16.3	1.1

Urit 2900 Plus

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	1.9	0.4	7.8	0.8	22.3	2.0
RBC 10 ¹² /l	2.32	0.15	4.66	0.20	5.77	0.25
Hb g/dl	5.9	0.4	13.1	0.5	16.7	0.6
Hb mmol/l	3.7	0.3	8.1	0.4	10.4	0.5
Hct %	17.1	1.5	37.0	2.4	47.4	3.0
Hct l/l	0.171	0.015	0.370	0.024	0.474	0.030
MCV fl	73.6	4.0	79.4	4.0	82.1	4.0
MCH pg	25.6	2.4	28.1	2.8	29.0	2.8
MCH fmol	1.59	0.2	1.74	0.2	1.80	0.2
MCHC g/dl	34.7	3.0	35.4	3.0	35.3	3.0
MCHC mmol/l	21.5	2.0	22.0	2.0	21.9	2.0
RDW-CV %	15.0	3.0	14.6	3.0	14.2	3.0
RDW-SD fl	22.9	5.0	29.4	5.0	40.4	5.0
Plt 10 ⁹ /l	69	20	235	35	380	60
MPV fl	16.9	2.0	13.0	2.0	12.6	2.0
PCT %	0.12	0.02	0.30	0.06	0.48	0.10
PCT ml/l	1.17	0.20	3.05	0.60	4.79	1.00
PDW %	13.5	3.0	13.8	3.0	14.3	3.0
LYMP %	59.9	8.0	31.5	5.0	13.2	4.0
MONO %	6.0	6.0	5.4	5.4	3.3	3.3
GRAN %	34.1	6.0	63.1	8.0	83.5	8.0
LYMP #	1.1	0.2	2.5	0.4	2.9	0.9
MONO #	0.1	0.1	0.4	0.4	0.7	0.7
GRAN #	0.6	0.2	4.9	0.8	18.6	1.1

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

LOT : 223

: 2018-05-19

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	7.8	0.8	20.9	2.0
RBC 10 ¹² /l	2.32	0.15	4.54	0.20	5.57	0.25
Hb g/dl	6.0	0.4	13.4	0.5	17.7	0.6
Hb mmol/l	3.7	0.3	8.3	0.4	11.0	0.5
Hct %	17.7	1.5	38.3	2.4	50.8	3.0
Hct l/l	0.177	0.015	0.383	0.024	0.508	0.030
MCV fl	76.1	4.0	84.4	4.0	91.1	4.0
MCH pg	26.0	2.4	29.5	2.8	31.8	2.8
MCH fmol	1.61	0.16	1.83	0.17	1.97	0.19
MCHC g/dl	34.1	3.0	35.0	3.0	34.9	3.0
MCHC mmol/l	21.2	2.0	21.7	2.0	21.7	2.0
RDW %	16.5	3.0	15.6	3.0	14.5	3.0
Ptts 10 ⁹ /l	70	20	255	35	502	60
MPV fl	8.0	2.0	7.8	2.0	8.2	2.0
PDW %	17.2	3.0	16.4	3.0	16.8	3.0
LYMP %	60.2	6.0	33.4	4.0	16.2	4.0
MONO %	9.3	9.3	7.7	7.7	4.0	4.0
GRAN %	30.5	5.0	58.9	5.0	79.8	5.0
LYMP #	1.3	0.2	2.6	0.4	3.4	0.9
MONO #	0.2	0.2	0.6	0.6	0.8	0.8
GRAN #	0.7	0.2	4.6	0.4	16.7	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	2.3	0.4	7.3	0.8	19.4	2.0
RBC 10 ¹² /l	2.33	0.15	4.50	0.20	5.56	0.25
Hb g/dl	5.7	0.4	13.4	0.5	17.7	0.6
Hb mmol/l	3.5	0.3	8.3	0.4	11.0	0.5
Hct %	16.4	1.5	36.9	2.4	50.1	3.0
Hct l/l	0.164	0.015	0.369	0.024	0.501	0.030
MCV fl	70.6	4.0	82.0	4.0	90.1	4.0
MCH pg	24.6	2.4	29.7	2.8	31.7	2.8
MCH fmol	1.53	0.16	1.85	0.17	1.97	0.19
MCHC g/dl	34.8	3.0	36.3	3.0	35.2	3.0
MCHC mmol/l	21.6	2.0	22.5	2.0	21.8	2.0
RDW %	15.1	3.0	16.0	3.0	14.9	3.0
Ptts 10 ⁹ /l	76	20	252	35	469	60
MPV fl	7.6	2.0	7.4	2.0	7.7	2.0
LYMP %	52.1	6.0	29.6	4.0	14.8	4.0
MONO %	8.9	8.9	7.6	7.6	3.1	3.1
GRAN %	39.1	5.0	62.8	5.0	82.1	5.0
LYMP #	1.2	0.2	2.2	0.4	2.9	0.9
MONO #	0.2	0.2	0.6	0.6	0.6	0.6
GRAN #	0.9	0.2	4.6	0.4	15.9	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	7.5	0.8	18.8	2.0
RBC 10 ¹² /l	2.35	0.15	4.50	0.20	5.46	0.25
Hb g/dl	5.9	0.4	13.2	0.5	17.5	0.6
Hb mmol/l	3.7	0.3	8.2	0.4	10.9	0.5
Hct %	17.9	1.5	38.4	2.4	50.3	3.0
Hct l/l	0.179	0.015	0.384	0.024	0.503	0.030
MCV fl	76.1	4.0	85.4	4.0	92.1	4.0
MCH pg	25.2	2.4	29.3	2.8	32.1	2.8
MCH fmol	1.57	0.16	1.82	0.17	1.99	0.19
MCHC g/dl	33.2	3.0	34.4	3.0	34.8	3.0
MCHC mmol/l	20.6	2.0	21.3	2.0	21.6	2.0
Ptts 10 ⁹ /l	66	20	250	35	489	60
MPV fl	8.9	2.0	8.3	2.0	8.4	2.0
LYMP %	60.2	6.0	33.4	4.0	16.2	4.0
MID %	9.3	9.3	7.7	7.7	4.0	4.0
GRAN %	30.5	5.0	58.9	5.0	79.8	5.0
LYMP #	1.4	0.2	2.5	0.4	3.0	0.9
MID #	0.2	0.2	0.6	0.6	0.8	0.8
GRAN #	0.7	0.2	4.4	0.4	15.0	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 %	65.1	6.0	39.8	4.0	19.2	4.0
MONO %	8.5	8.5	8.8	8.8	5.1	5.1
GRAN %	26.4	5.0	51.5	5.0	75.6	5.0
LYMP #	1.4	0.2	3.1	0.4	4.0	0.9
MONO #	0.2	0.2	0.7	0.7	1.1	1.1
GRAN #	0.6	0.2	4.0	0.4	15.8	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	7.8	0.8	20.8	2.0
RBC 10 ¹² /l	2.32	0.15	4.54	0.20	5.57	0.25
Hb g/dl	6.0	0.4	13.4	0.5	17.7	0.6
Hb mmol/l	3.7	0.3	8.3	0.4	11.0	0.5
Hct %	17.7	1.5	38.8	2.4	51.3	3.0
Hct l/l	0.177	0.015	0.388	0.024	0.513	0.030
MCV fl	76.1	4.0	85.4	4.0	92.1	4.0
MCH pg	26.0	2.4	29.5	2.8	31.8	2.8
MCH fmol	1.61	0.16	1.83	0.17	1.97	0.19
MCHC g/dl	34.1	3.0	34.6	3.0	34.5	3.0
MCHC mmol/l	21.2	2.0	21.5	2.0	21.4	2.0
RDW %	16.5	3.0	15.6	3.0	14.5	3.0
Ptts 10 ⁹ /l	70	20	253	35	500	60
MPV fl	8.0	2.0	7.8	2.0	8.2	2.0
LYMP %	61.9	6.0	33.0	4.0	14.9	4.0
MONO %	6.5	6.5	6.1	6.1	3.1	3.1
GRAN %	31.6	5.0	60.9	5.0	82.0	5.0
LYMP #	1.4	0.2	2.6	0.4	3.1	0.9
MONO #	0.1	0.1	0.5	0.5	0.6	0.6
GRAN #	0.7	0.2	4.8	0.4	17.1	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 %	48.3	6.0	24.9	4.0	10.4	4.0
LYMP #	1.0	0.2	2.0	0.4	2.2	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	7.8	0.8	20.9	2.0
RBC 10 ¹² /l	2.30	0.15	4.54	0.20	5.49	0.25
Hb g/dl	6.2	0.4	13.7	0.5	18.4	0.6
Hb mmol/l	3.8	0.3	8.5	0.4	11.4	0.5
Hct %	17.5	1.5	38.9	2.4	52.6	3.0
Hct l/l	0.175	0.015	0.389	0.024	0.526	0.030
MCV fl	76.1	4.0	85.8	4.0	95.9	4.0
MCH pg	26.7	2.4	30.1	2.8	33.6	2.8
MCH fmol	1.66	0.16	1.87	0.17	2.08	0.19
MCHC g/dl	35.1	3.0	35.1	3.0	35.0	3.0
MCHC mmol/l	21.8	2.0	21.8	2.0	21.7	2.0
RDW %	15.4	3.0	15.0	3.0	13.7	3.0
Ptts 10 ⁹ /l	72	20	259	35	522	60
MPV fl	8.0	2.0	6.8	2.0	6.7	2.0
LYMP %	64.2	8.0	34.7	4.0	19.0	4.0
MONO %	11.6	11.6	8.3	8.3	3.8	3.8
GRAN %	24.2	8.0	56.9	5.0	77.2	5.0
LYMP #	1.4	0.2	2.7	0.4	4.0	0.9
MONO #	0.3	0.3	0.7	0.7	0.8	0.8
GRAN #	0.5	0.4	4.4	0.4	16.1	1.1

Danam/Drew Excel18=MWI BT2100, D3; Orpheus Mythic18; Abbott Emerald18

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.1	0.4	7.8	0.8	19.9	2.0
RBC 10 ¹² /l	2.32	0.15	4.54	0.20	5.57	0.25
Hb g/dl	5.8	0.4	13.4	0.5	17.7	0.6
Hb mmol/l	3.6	0.3	8.3	0.4	11.0	0.5
Hct %	17.1	1.5	38.8	2.4	51.5	3.0
Hct l/l	0.171	0.015	0.388	0.024	0.515	0.030
MCV fl	73.8	4.0	85.4	4.0	92.5	4.0
MCH pg	25.1	2.4	29.5	2.8	31.8	2.8
MCH fmol	1.56	0.16	1.83	0.17	1.97	0.19
MCHC g/dl	34.0	3.0	34.6	3.0	34.4	3.0
MCHC mmol/l	21.1	2.0	21.5	2.0	21.3	2.0
RDW	14.6	3.0	13.1	3.0	12.1	3.0
Ptts 10 ⁹ /l	70	20	237	35	466	60
MPV fl	8.0	2.0	7.8	2.0	8.2	2.0
LYMP %	58.2	6.0	30.2	4.0	14.8	4.0
MONO %	8.30	8.23	4.60	4.54	2.00	1.94
GRAN %	33.5	5.0	65.2	5.0	83.2	5.0
LYMP #	1.2	0.2	2.4	0.4	2.9	0.9
MONO #	0.17	0.10	0.36	0.30	0.40	0.34
GRAN #	0.7	0.2	5.1	0.4	16.6	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 %	73.1	6.0	41.9	4.0	20.3	4.0
MONO %	7.5	7.5	8.2	8.2	4.9	4.9
GRAN %	19.4	5.0	49.9	5.0	74.8	5.0
LYMP #	1.6	0.2	3.3	0.4	4.2	0.9
MONO #	0.2	0.2	0.6	0.6	1.0	1.0
GRAN #	0.4	0.2	3.9	0.4	15.6	1.1

LOT : 223
: 2018-05-19

Mindray BC-3200, BC-3000CT

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
WBC 10 ⁹ /l	2.1	0.5	8.1	1.0	21.6	2.5
RBC 10 ¹² /l	2.39	0.18	4.67	0.24	5.76	0.30
Hb g/dl	6.1	0.4	13.7	0.6	18.6	0.8
Hb mmol/l	3.8	0.3	8.5	0.4	11.5	0.5
Hct %	18.3	1.5	40.4	2.0	54.4	2.4
Hct l/l	0.183	0.015	0.404	0.020	0.544	0.024
MCV fl	76.5	5.0	86.5	5.0	94.5	5.0
MCH pg	25.5	2.5	29.3	2.5	32.3	2.5
MCH fmol	1.58	0.16	1.82	0.17	2.00	0.18
MCHC g/dl	33.4	3.0	33.9	3.0	34.2	3.0
MCHC mmol/l	20.7	2.0	21.0	2.0	21.2	2.0
RDW-CV	14.5	3.0	13.5	3.0	12.5	3.0
RDW-SD	35.0	6.0	37.0	6.0	39.0	8.0
Pits 10 ⁹ /l	80	20	260	40	499	60
MPV fl	8.3	3.0	7.6	3.0	7.7	3.0
LYMP %	58.0	12.0	29.5	8.0	13.0	6.0
MONO %	9.0	8.0	8.3	7.0	5.0	4.0
GRAN %	33.0	10.0	62.2	8.0	82.0	8.0
LYMP #	1.2	0.3	2.4	0.7	2.8	1.3
MONO #	0.2	0.2	0.7	0.6	1.1	0.9
GRAN #	0.7	0.3	5.0	0.7	17.7	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	8.1	1.0	21.4	2.5
RBC 10 ¹² /l	2.33	0.18	4.63	0.24	5.70	0.30
Hb g/dl	6.0	0.4	13.8	0.6	18.8	0.8
Hb mmol/l	3.7	0.3	8.6	0.4	11.7	0.5
Hct %	17.6	1.5	39.4	2.0	53.0	2.4
Hct l/l	0.176	0.015	0.394	0.020	0.530	0.024
MCV fl	75.5	5.0	85.0	5.0	93.0	5.0
MCH pg	25.8	2.5	29.8	2.5	33.0	2.5
MCH fmol	1.60	0.16	1.85	0.17	2.05	0.18
MCHC g/dl	34.1	3.0	35.1	3.0	35.5	3.0
MCHC mmol/l	21.2	2.0	21.7	2.0	22.0	2.0
RDW-CV	16.0	3.0	15.5	3.0	14.5	3.0
RDW-SD	41.5	6.0	44.0	6.0	46.0	8.0
Pits 10 ⁹ /l	67	20	256	40	490	60
MPV fl	9.6	3.0	9.6	3.0	9.7	3.0
PCT %	0.06	0.05	0.24	0.10	0.48	0.20
PCT ml/l	0.60	0.50	2.40	1.00	4.80	2.00
PDW fl	14.8	3.0	14.7	3.0	14.8	3.0
LYMP %	62.6	10.0	33.1	8.0	15.2	7.0
MONO %	7.2	6.0	6.5	5.0	4.0	4.0
GRAN %	30.2	9.0	60.4	9.0	80.8	8.0
LYMP #	1.3	0.3	2.7	0.7	3.3	1.6
MONO #	0.1	0.1	0.5	0.4	0.9	0.9
GRAN #	0.6	0.2	4.9	0.8	17.3	1.8

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	20.6	2.5
RBC 10 ¹² /l	2.43	0.18	4.79	0.24	5.90	0.30
Hb g/dl	6.2	0.4	13.7	0.6	18.7	0.8
Hb mmol/l	3.6	0.3	8.5	0.4	11.6	0.5
Hct %	18.6	1.5	40.2	2.0	54.0	2.4
Hct l/l	0.186	0.015	0.402	0.020	0.540	0.024
MCV fl	76.5	5.0	84.0	5.0	91.5	5.0
MCH pg	25.5	2.5	28.6	2.5	31.7	2.5
MCH fmol	1.58	0.16	1.77	0.17	1.97	0.18
MCHC g/dl	33.4	3.0	34.0	3.0	34.6	3.0
MCHC mmol/l	20.7	2.0	21.1	2.0	21.5	2.0
RDW-CV	16.0	3.0	15.0	3.0	13.5	3.0
RDW-SD	35.5	6.0	40.0	6.0	44.5	8.0
Pits 10 ⁹ /l	69	20	265	40	526	60
MPV fl	9.0	3.0	9.0	3.0	9.2	3.0
PCT %	0.06	0.05	0.23	0.10	0.47	0.20
PCT ml/l	0.60	0.50	2.30	1.00	4.70	2.00
PDW fl	15.4	3.0	15.6	3.0	15.8	3.0
P-LCC	22.0	10.0	80.0	22.0	165.0	30.0
P-LCR	28.0	9.0	29.0	9.0	31.5	9.0
LYMP %	58.4	9.0	30.8	8.0	13.8	8.0
MONO %	11.6	8.0	8.3	7.0	4.9	4.0
GRAN %	30.0	8.0	60.9	8.0	81.3	9.0
LYMP #	1.1	0.2	2.4	0.7	2.8	1.7
MONO #	0.2	0.2	0.6	0.6	1.0	0.9
GRAN #	0.6	0.2	4.7	0.7	16.7	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	2.0	0.5	8.0	1.0	20.8	2.5
RBC 10 ¹² /l	2.43	0.18	4.76	0.24	5.80	0.30
Hb g/dl	6.1	0.4	13.7	0.6	18.5	0.8
Hb mmol/l	3.8	0.3	8.5	0.4	11.5	0.5
Hct %	18.6	1.5	41.2	2.0	54.8	2.4
Hct l/l	0.186	0.015	0.412	0.020	0.548	0.024
MCV fl	76.5	5.0	86.5	5.0	94.5	5.0
MCH pg	25.1	2.5	28.8	2.5	31.9	2.5
MCH fmol	1.56	0.16	1.79	0.17	1.98	0.18
MCHC g/dl	32.8	3.0	33.3	3.0	33.8	3.0
MCHC mmol/l	20.4	2.0	20.6	2.0	21.0	2.0
RDW-CV	15.5	3.0	15.0	3.0	14.0	3.0
RDW-SD	36.5	6.0	39.0	6.0	40.0	8.0
Pits 10 ⁹ /l	80	20	267	40	494	60
MPV fl	8.3	3.0	8.0	3.0	8.1	3.0
PCT %	0.07	0.05	0.21	0.10	0.40	0.20
PCT ml/l	0.70	0.50	2.10	1.00	4.00	2.00
PDW fl	16.9	3.0	16.3	3.0	16.2	3.0
LYMP %	57.5	12.0	30.2	8.0	13.2	6.0
MONO %	9.0	8.0	8.2	6.0	5.5	5.0
GRAN %	33.5	9.0	61.6	8.0	81.3	8.0
LYMP #	1.2	0.3	2.4	0.7	2.7	1.3
MONO #	0.2	0.2	0.7	0.6	1.1	1.0
GRAN #	0.7	0.2	4.9	0.7	16.9	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	7.8	1.0	19.7	2.5
RBC 10 ¹² /l	2.17	0.18	4.37	0.24	5.51	0.30
Hb g/dl **	6.2	0.4	14.3	0.6	19.1	0.8
Hb mmol/l **	3.9	0.3	8.9	0.4	11.9	0.5
Hct %	17.8	1.5	39.5	2.0	53.0	2.4
Hct l/l	0.178	0.015	0.395	0.020	0.530	0.024
MCV fl	82.1	5.0	90.4	5.0	96.1	5.0
MCH pg **	28.7	2.5	32.7	2.5	34.7	2.5
MCH fmol **	1.78	0.16	2.03	0.17	2.15	0.18
MCHC g/dl **	35.0	3.0	36.2	3.0	36.1	3.0
MCHC mmol/l **	21.7	2.0	22.5	2.0	22.4	2.0
RDW-CV	15.3	3.0	14.9	3.0	14.3	3.0
RDW-SD	44.9	6.0	47.9	6.0	48.9	8.0
Pits 10 ⁹ /l	77	20	237	40	458	60
MPV fl	8.7	3.0	8.6	3.0	8.7	3.0
LYMP %	60.2	12.0	30.4	8.0	13.7	6.0
MONO %	9.3	9.3	7.7	7.7	4.0	4.0
GRAN %	30.5	9.0	61.9	8.0	82.3	8.0
LYMP #	1.3	0.3	2.4	0.7	2.7	1.3
MONO #	0.2	0.2	0.6	0.6	0.8	0.8
GRAN #	0.7	0.2	4.8	0.7	16.2	1.7

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

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
Hb g/dl	5.9	0.4	13.3	0.6	17.8	0.8
Hb mmol/l	3.7	0.3	8.3	0.4	11.1	0.5
MCH pg	27.3	2.5	30.4	2.5	32.3	2.5
MCH fmol	1.70	0.16	1.89	0.17	2.01	0.18
MCHC g/dl	33.3	3.0	33.7	3.0	33.6	3.0
MCHC mmol/l	20.7	2.0	20.9	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	2.0	0.5	7.9	1.0	21.5	2.5
RBC 10 ¹² /l	2.31	0.18	4.55	0.24	5.53	0.30
Hb g/dl	6.3	0.4	13.7	0.6	18.3	0.8
Hb mmol/l	3.9	0.3	8.5	0.4	11.3	0.5
Hct %	17.1	1.5	38.4	2.0	50.5	2.4
Hct l/l	0.171	0.015	0.384	0.020	0.505	0.024
MCV fl	74.0	5.0	84.3	5.0	91.4	5.0
MCH pg	27.2	2.5	30.2	2.5	33.0	2.5
MCH fmol	1.69	0.16	1.87	0.16	2.05	0.16
MCHC g/dl	36.7	3.0	35.8	3.0	36.1	3.0
MCHC mmol/l	22.8	1.9	22.2	1.9	22.4	1.9
RDW-CV	14.5	3.0	13.5	3.0	12.4	3.0
RDW-SD	33.0	8.0	35.9	8.0	37.3	8.0
Pits 10 ⁹ /l	66	20	248	40	510	60
MPV fl	10.4	3.0	9.9	3.0	10.2	3.0
PCT %	0.07	0.07	0.25	0.10	0.52	0.20
PCT ml/l	0.69	0.69	2.45	1.00	5.17	2.00
PDW fl	14.4	3.0	14.8	3.0	15.7	3.0
LYMP %	59.5	10.0	32.4	8.0	14.4	7.0
MONO %	8.4	8.4	8.1	8.1	6.0	6.0
GRAN %	32.1	9.0	59.5	9.0	79.7	8.0
LYMP #	1.2	0.2	2.6	0.7	3.1	1.5
MONO #	0.2	0.2	0.6	0.6	1.3	1.3
GRAN #	0.6	0.2	4.7	0.7	17.1	1.7