


REF : 3734-3735-3736-3752-3753-3754-3820-3821-3822
 LOT : 191
 : 2010, May 19th

Coulter Counter Models (with III Diff. option; for ActT 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	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

Parameters	LOW		NORMAL		HIGH	
	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

Parameters	LOW		NORMAL		HIGH	
	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	0.030
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

Parameters	LOW		NORMAL		HIGH	
	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

Parameters	LOW		NORMAL		HIGH	
	Mean	Range ±	Mean	Range ±	Mean	Range ±
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

Please refer to Table Act Diff for CBC parameters

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	7.6	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

Parameters	LOW		NORMAL		HIGH	
	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

LOT : 191
: 2010, May 19th

Diatron: Abacus, Arcus **

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	2.60	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

Parameters	LOW		NORMAL		HIGH	
	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

Parameters	LOW		NORMAL		HIGH	
	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

Parameters	LOW		NORMAL		HIGH	
	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

Parameters	LOW		NORMAL		HIGH	
	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



Mallinckrodt Baker B.V.
P.O. Box 1 - 7400AA Deventer - Holland
Tel.: +31 (0)570 687500

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



8°C



