



EIGHTCHECK-3WP X-TRA™

HEMATOLOGY CONTROL

Expiration Date: 2008-10-08	Quality Control Data Due Date #1: 12-Aug-08	Quality Control Data Due Date #2: 09-Sep-08	Quality Control Data Due Date #3: 13-Oct-08			
Lot Number:	81830710	81830711	81830712			
Control:	Low Abnormal	Normal	High Abnormal			
Parameters	Mean	Expected Range	Mean	Expected Range	Mean	Expected Range
SYSMEX KX-SERIES						
WBC x10 ³ /μL	2.5	2.1 - 2.9	7.2	6.4 - 8.0	17.9	16.1 - 19.7
RBC x10 ⁶ /μL	2.38	2.17 - 2.59	4.30	4.04 - 4.56	5.25	4.99 - 5.51
HGB g/dL	6.4	6.0 - 6.8	12.7	11.9 - 13.5	15.9	15.1 - 16.7
HCT %	17.5	16.0 - 19.0	34.0	31.6 - 36.4	42.9	39.5 - 46.3
MCV fL	73.5	61.8 - 87.5	79.1	69.4 - 90.0	81.7	71.6 - 92.9
MCH pg	26.9	23.2 - 31.3	29.5	26.2 - 33.3	30.3	27.4 - 33.5
MCHC g/dL	36.6	31.7 - 42.4	37.4	32.8 - 42.6	37.1	32.6 - 42.3
PLT x10 ³ /μL	54	36 - 72	206	169 - 243	486	423 - 549
Lymph (W-SCR) %	25.9	22.0 - 29.8	30.3	27.3 - 33.3	34.5	31.1 - 38.0
Mixed (W-MCR) %	8.6	4.7 - 12.5	12.5	9.4 - 15.6	16.3	13.5 - 19.1
Neut (W-LCR) %	65.5	60.3 - 70.7	57.2	53.8 - 60.6	49.2	45.3 - 53.1
Lymph (W-SCC) x10 ³ /μL	0.6	0.4 - 0.8	2.2	1.7 - 2.8	6.2	5.5 - 6.9
Mixed (W-MCC) x10 ³ /μL	0.2	0.1 - 0.3	0.9	0.7 - 1.1	2.9	2.3 - 3.5
Neut (W-LCC) x10 ³ /μL	1.7	1.4 - 2.0	4.1	3.5 - 4.7	8.8	7.7 - 9.9
RDW-CV %	11.3	9.5 - 13.1	9.6	8.0 - 11.2	9.7	8.0 - 11.4
RDW-SD fL	35.1	29.1 - 41.1	33.4	28.1 - 38.7	34.3	29.2 - 39.4
MPV fL	9.0	7.6 - 10.4	9.1	8.1 - 10.1	9.1	8.3 - 9.9
W-SMV fL	61.0	51.9 - 70.2	61.0	54.3 - 67.7	60.9	54.8 - 67.0
W-LMV fL	194.1	178.6 - 209.6	188.3	173.2 - 203.4	188.6	174.5 - 202.7
SYSMEX poch-100i						
Please note: Remove vial cap before running QC Product						
WBC x10 ³ /μL	2.5	2.1 - 2.9	7.1	6.4 - 7.8	18.1	16.3 - 19.9
RBC x10 ⁶ /μL	2.38	2.17 - 2.59	4.29	4.03 - 4.55	5.19	4.93 - 5.45
HGB g/dL	6.3	6.0 - 6.6	12.6	12.0 - 13.2	15.9	15.3 - 16.5
HCT %	18.5	16.9 - 20.1	35.9	33.4 - 38.4	44.7	41.1 - 48.3
MCV fL	77.7	65.4 - 92.5	83.7	73.4 - 95.3	86.1	75.5 - 97.9
MCH pg	26.5	23.1 - 30.5	29.4	26.3 - 32.8	30.6	28.0 - 33.5
MCHC g/dL	34.1	29.8 - 39.1	35.1	31.2 - 39.6	35.6	31.6 - 40.2
PLT x10 ³ /μL	49	33 - 65	187	153 - 221	434	378 - 490
Lymph (W-SCR) %	25.0	21.3 - 28.8	29.7	26.7 - 32.7	34.8	31.3 - 38.3
Mixed (W-MCR) %	7.9	4.3 - 11.5	12.2	9.2 - 15.3	15.6	12.9 - 18.3
Neut (W-LCR) %	67.1	61.7 - 72.5	58.1	54.6 - 61.6	49.6	45.6 - 53.6
Lymph (W-SCC) x10 ³ /μL	0.6	0.4 - 0.8	2.1	1.6 - 2.6	6.3	5.5 - 7.1
Mixed (W-MCC) x10 ³ /μL	0.2	0.1 - 0.3	0.9	0.7 - 1.1	2.8	2.3 - 3.3
Neut (W-LCC) x10 ³ /μL	1.7	1.4 - 2.0	4.1	3.5 - 4.7	9.0	7.9 - 10.1
RDW-CV %	15.5	13.0 - 18.0	14.4	12.0 - 16.8	14.5	11.9 - 17.1
RDW-SD fL	42.6	35.4 - 49.8	42.7	35.9 - 49.5	44.1	37.5 - 50.7
MPV fL	10.0	8.4 - 11.6	9.8	8.7 - 10.9	9.7	8.8 - 10.6
W-SMV fL	65.3	49.0 - 81.6	65.5	51.1 - 79.9	65.1	52.1 - 78.1
W-LMV fL	199.8	179.8 - 219.8	193.4	174.1 - 212.7	193.4	174.1 - 212.7

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Lot Number:	81830710		81830711		81830712	
Control:	Low Abnormal		Normal		High Abnormal	
Parameters	Mean	Expected Range	Mean	Expected Range	Mean	Expected Range
SYSMEX K-4500, OPEN MODE						
WBC x10 ³ /μL	2.8	2.5 - 3.2	7.8	7.0 - 8.6	19.4	17.5 - 21.3
RBC x10 ⁶ /μL	2.36	2.22 - 2.50	4.35	4.15 - 4.55	5.25	4.99 - 5.51
HGB g/dL	6.2	5.9 - 6.5	12.7	12.3 - 13.1	15.8	15.2 - 16.4
HCT %	17.2	15.8 - 18.6	34.1	31.7 - 36.5	42.5	39.5 - 45.5
MCV fL	72.9	63.3 - 83.7	78.4	69.8 - 87.8	81.0	71.7 - 91.2
MCH pg	26.3	23.6 - 29.3	29.2	27.0 - 31.6	30.1	27.5 - 32.9
MCHC g/dL	36.0	31.8 - 41.1	37.2	33.6 - 41.4	37.2	33.4 - 41.6
PLT x10 ³ /μL	52	35 - 68	196	168 - 223	440	392 - 489
Lymph (W-SCR) %	25.7	22.9 - 28.5	29.8	26.8 - 32.8	33.7	30.3 - 37.1
Mixed (W-MCR) %	8.5	4.7 - 12.3	13.5	10.1 - 16.9	17.0	14.1 - 19.9
Neut (W-LCR) %	65.8	61.9 - 69.7	56.7	53.3 - 60.1	49.3	46.3 - 52.3
Lymph (W-SCC) x10 ³ /μL	0.7	0.5 - 0.9	2.3	1.7 - 2.9	6.5	4.9 - 8.1
Mixed (W-MCC) x10 ³ /μL	0.2	0.0 - 0.4	1.1	0.8 - 1.4	3.3	2.7 - 3.9
Neut (W-LCC) x10 ³ /μL	1.9	1.6 - 2.2	4.4	4.0 - 4.8	9.6	8.8 - 10.4
RDW-CV %	11.9	10.0 - 13.8	10.6	8.8 - 12.4	10.8	8.9 - 12.7
RDW-SD fL	25.7	21.3 - 30.1	25.3	21.3 - 29.3	27.7	23.5 - 31.9
MPV fL	9.2	8.1 - 10.3	9.4	8.6 - 10.2	9.4	8.6 - 10.2
W-SMV fL	54.4	49.5 - 59.3	54.6	49.7 - 59.5	54.6	49.7 - 59.5
W-LMV fL	192.1	176.7 - 207.5	189.1	174.0 - 204.2	190.0	175.8 - 204.3
SYSMEX K-4500, CLOSED MODE						
WBC x10 ³ /μL	2.8	2.4 - 3.2	7.6	6.7 - 8.6	19.0	16.5 - 21.5
RBC x10 ⁶ /μL	2.38	2.24 - 2.53	4.31	4.09 - 4.52	5.20	4.91 - 5.48
HGB g/dL	6.2	5.8 - 6.6	12.6	12.1 - 13.1	15.6	14.9 - 16.3
HCT %	17.4	16.0 - 18.8	33.8	31.3 - 36.3	42.1	38.9 - 45.3
MCV fL	73.0	63.2 - 84.1	78.5	69.1 - 88.8	81.0	71.0 - 92.1
MCH pg	26.0	23.1 - 29.3	29.2	26.7 - 32.0	30.1	27.2 - 33.3
MCHC g/dL	35.6	30.9 - 41.2	37.2	33.2 - 41.8	37.2	33.0 - 42.0
PLT x10 ³ /μL	51	33 - 69	182	155 - 209	405	352 - 458
Lymph (W-SCR) %	25.7	21.8 - 29.6	29.8	25.9 - 33.7	33.7	29.3 - 38.1
Mixed (W-MCR) %	8.5	4.3 - 12.8	13.5	9.0 - 18.0	17.0	13.4 - 20.6
Neut (W-LCR) %	65.8	59.2 - 72.4	56.7	51.0 - 62.4	49.3	44.4 - 54.2
Lymph (W-SCC) x10 ³ /μL	0.7	0.5 - 0.9	2.3	1.6 - 3.0	6.4	4.5 - 8.3
Mixed (W-MCC) x10 ³ /μL	0.2	0.0 - 0.4	1.0	0.5 - 1.6	3.2	2.5 - 3.9
Neut (W-LCC) x10 ³ /μL	1.9	1.5 - 2.3	4.3	3.7 - 4.9	9.4	8.3 - 10.5
RDW-CV %	11.9	10.0 - 13.8	10.6	8.8 - 12.4	10.8	8.9 - 12.7
RDW-SD fL	25.7	21.3 - 30.1	25.3	21.3 - 29.3	27.7	23.5 - 31.9
MPV fL	9.2	8.1 - 10.3	9.4	8.6 - 10.2	9.4	8.6 - 10.2
W-SMV fL	54.4	49.5 - 59.3	54.6	49.7 - 59.5	54.6	49.7 - 59.5
W-LMV fL	192.1	176.7 - 207.5	189.1	174.0 - 204.2	190.0	175.8 - 204.3

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Lot Number:	81830710	81830711	81830712			
Control:	Low Abnormal	Normal	High Abnormal			
Parameters	Mean	Expected Range	Mean	Expected Range	Mean	Expected Range
SYSMEX K-1000, K-800						
WBC x10 ³ /μL	2.5	2.1 - 2.9	7.3	6.5 - 8.1	18.3	16.5 - 20.1
RBC x10 ⁶ /μL	2.33	2.12 - 2.54	4.27	4.01 - 4.53	5.19	4.93 - 5.45
HGB g/dL	6.2	5.9 - 6.5	12.9	12.3 - 13.5	16.0	15.4 - 16.6
HCT %	17.1	15.6 - 18.6	33.5	31.2 - 35.8	42.1	38.7 - 45.5
MCV fL	73.4	61.7 - 87.3	78.5	68.8 - 89.3	81.1	71.1 - 92.2
MCH pg	26.6	23.2 - 30.6	30.2	27.1 - 33.7	30.8	28.2 - 33.7
MCHC g/dL	36.3	31.7 - 41.6	38.5	34.2 - 43.5	38.0	33.8 - 43.0
PLT x10 ³ /μL	49	33 - 65	183	150 - 216	424	369 - 479
Lymph (W-SCR) %	25.8	22.7 - 28.9	30.2	27.2 - 33.2	33.9	30.5 - 37.3
Mixed (W-MCR) %	8.5	4.7 - 12.3	13.2	9.9 - 16.5	16.9	14.0 - 19.8
Neut (W-LCR) %	65.7	60.4 - 71.0	56.6	53.2 - 60.0	49.2	45.3 - 53.1
Lymph (W-SCC) x10 ³ /μL	0.6	0.4 - 0.8	2.2	1.7 - 2.8	6.2	5.5 - 6.9
Mixed (W-MCC) x10 ³ /μL	0.2	0.1 - 0.3	1.0	0.6 - 1.5	3.1	2.5 - 3.7
Neut (W-LCC) x10 ³ /μL	1.7	1.3 - 2.1	4.1	3.5 - 4.7	9.0	7.9 - 10.1
W-SMV fL	57.1	48.5 - 65.7	57.3	51.0 - 63.6	57.1	51.4 - 62.8
W-LMV fL	192.4	177.0 - 207.8	190.3	175.1 - 205.5	192.2	177.8 - 206.6
RDW-CV %	13.7	11.5 - 15.9	12.3	10.2 - 14.4	11.9	9.8 - 14.0
RDW-SD fL	28.2	23.4 - 33.0	27.8	23.4 - 32.2	28.9	24.6 - 33.2
MPV fL	8.9	7.5 - 10.3	8.9	7.9 - 9.9	8.9	8.1 - 9.7
SYSMEX K-1000/KCP-1						
WBC x10 ³ /μL	2.8	2.4 - 3.2	8.2	7.3 - 9.1	20.8	18.7 - 22.9
RBC x10 ⁶ /μL	2.41	2.20 - 2.62	4.34	4.08 - 4.60	5.19	4.93 - 5.45
HGB g/dL	6.2	5.8 - 6.6	12.7	11.9 - 13.5	15.6	14.8 - 16.4
HCT %	17.4	15.9 - 18.9	33.6	31.2 - 36.0	41.7	38.4 - 45.0
MCV fL	72.2	60.7 - 85.9	77.4	67.9 - 88.1	80.3	70.4 - 91.3
MCH pg	25.7	22.2 - 29.9	29.3	25.9 - 33.0	30.1	27.2 - 33.2
MCHC g/dL	35.6	30.9 - 41.3	37.8	33.2 - 43.1	37.4	32.9 - 42.7
PLT x10 ³ /μL	54	36 - 72	206	169 - 243	481	418 - 544
Lymph (W-SCR) %	26.1	23.0 - 29.2	29.8	26.8 - 32.8	33.8	30.4 - 37.2
Mixed (W-MCR) %	8.5	4.7 - 12.3	13.0	9.8 - 16.3	16.6	13.8 - 19.4
Neut (W-LCR) %	65.4	60.2 - 70.6	57.2	53.8 - 60.6	49.6	45.6 - 53.6
Lymph (W-SCC) x10 ³ /μL	0.7	0.4 - 1.0	2.4	1.8 - 3.1	7.0	6.2 - 7.8
Mixed (W-MCC) x10 ³ /μL	0.2	0.1 - 0.3	1.1	0.6 - 1.5	3.5	2.8 - 4.2
Neut (W-LCC) x10 ³ /μL	1.9	1.5 - 2.3	4.7	4.0 - 5.4	10.3	9.1 - 11.5
W-SMV fL	57.2	48.6 - 65.8	57.8	51.4 - 64.2	57.8	52.0 - 63.6
W-LMV fL	195.1	179.5 - 210.7	192.5	177.1 - 207.9	194.7	180.1 - 209.3
RDW-CV %	14.1	11.8 - 16.4	12.4	10.3 - 14.5	12.2	10.0 - 14.4
RDW-SD fL	27.3	22.7 - 31.9	27.4	23.0 - 31.8	29.0	24.7 - 33.4
MPV fL	8.8	7.4 - 10.2	8.9	7.9 - 9.9	8.9	8.1 - 9.7

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