



EIGHTCHECK-3WP X-TRA™

HEMATOLOGY CONTROL

Expiration Date: 2008-12-31	Quality Control Data Due Date #1: 04-Nov-08	Quality Control Data Due Date #2: 02-Dec-08	Quality Control Data Due Date #3: 05-Jan-09			
Lot Number:	82670710	82670711	82670712			
Control:	Low Abnormal	Normal	High Abnormal			
Parameters	Mean	Expected Range	Mean	Expected Range	Mean	Expected Range
SYSMEX KX-SERIES						
WBC x10 ³ /μL	2.3	2.0 - 2.7	6.6	5.9 - 7.3	16.5	14.9 - 18.2
RBC x10 ⁶ /μL	2.38	2.17 - 2.59	4.44	4.17 - 4.71	5.30	5.04 - 5.57
HGB g/dL	6.5	6.1 - 6.9	13.5	12.7 - 14.3	16.9	16.1 - 17.7
HCT %	17.9	16.4 - 19.4	36.4	33.9 - 38.9	45.4	41.8 - 49.0
MCV fL	75.2	63.3 - 89.5	82.0	71.9 - 93.3	85.7	75.1 - 97.4
MCH pg	27.3	23.6 - 31.7	30.4	27.0 - 34.3	31.9	28.8 - 35.2
MCHC g/dL	36.3	31.5 - 42.1	37.1	32.6 - 42.3	37.2	32.7 - 42.5
PLT x10 ³ /μL	55	37 - 73	213	175 - 251	517	450 - 584
Lymph (W-SCR) %	24.5	20.8 - 28.2	30.5	27.5 - 33.6	35.1	31.6 - 38.6
Mixed (W-MCR) %	7.4	4.1 - 10.7	11.8	8.9 - 14.8	15.5	12.9 - 18.1
Neut (W-LCR) %	68.1	62.7 - 73.5	57.7	54.2 - 61.2	49.4	45.4 - 53.4
Lymph (W-SCC) x10 ³ /μL	0.6	0.4 - 0.7	2.0	1.5 - 2.5	5.8	5.1 - 6.5
Mixed (W-MCC) x10 ³ /μL	0.2	0.1 - 0.3	0.8	0.6 - 1.0	2.6	2.1 - 3.1
Neut (W-LCC) x10 ³ /μL	1.6	1.3 - 1.9	3.8	3.2 - 4.4	8.2	7.2 - 9.1
RDW-CV %	12.2	10.2 - 14.2	10.5	8.7 - 12.3	9.6	7.9 - 11.3
RDW-SD fL	37.6	31.2 - 44.0	35.4	29.7 - 41.1	35.5	30.2 - 40.8
MPV fL	9.1	7.6 - 10.6	9.2	8.2 - 10.2	9.2	8.4 - 10.0
W-SMV fL	61.4	52.2 - 70.6	61.7	54.9 - 68.5	62.0	55.8 - 68.2
W-LMV fL	197.1	181.3 - 212.9	197.7	181.9 - 213.5	198.5	183.6 - 213.4
SYSMEX poch-100i						
Please note: Remove vial cap before running QC Product						
WBC x10 ³ /μL	2.3	2.0 - 2.6	6.5	5.8 - 7.2	16.5	14.9 - 18.2
RBC x10 ⁶ /μL	2.38	2.17 - 2.59	4.43	4.16 - 4.70	5.24	4.98 - 5.50
HGB g/dL	6.3	6.0 - 6.6	13.3	12.6 - 14.0	16.7	16.0 - 17.4
HCT %	18.8	17.2 - 20.4	38.4	35.7 - 41.1	47.3	43.5 - 51.1
MCV fL	79.0	66.4 - 94.0	86.7	76.1 - 98.7	90.3	79.1 - 102.6
MCH pg	26.5	23.1 - 30.5	30.0	26.9 - 33.5	31.9	29.1 - 34.9
MCHC g/dL	33.5	29.3 - 38.5	34.6	30.8 - 39.1	35.3	31.4 - 39.9
PLT x10 ³ /μL	50	34 - 67	194	159 - 229	469	408 - 530
Lymph (W-SCR) %	23.8	20.2 - 27.4	30.1	27.1 - 33.1	35.1	31.6 - 38.6
Mixed (W-MCR) %	6.8	3.7 - 9.9	10.7	8.0 - 13.4	14.5	12.0 - 17.0
Neut (W-LCR) %	69.4	63.8 - 75.0	59.2	55.6 - 62.8	50.4	46.4 - 54.4
Lymph (W-SCC) x10 ³ /μL	0.5	0.4 - 0.7	2.0	1.5 - 2.5	5.8	5.1 - 6.5
Mixed (W-MCC) x10 ³ /μL	0.2	0.1 - 0.3	0.7	0.5 - 0.9	2.4	1.9 - 2.9
Neut (W-LCC) x10 ³ /μL	1.6	1.3 - 1.9	3.8	3.2 - 4.4	8.3	7.3 - 9.3
RDW-CV %	16.3	13.7 - 18.9	15.2	12.6 - 17.8	14.3	11.7 - 16.9
RDW-SD fL	45.4	37.7 - 53.1	45.6	38.3 - 52.9	45.2	38.4 - 52.0
MPV fL	10.3	8.7 - 11.9	9.9	8.8 - 11.0	9.8	8.9 - 10.7
W-SMV fL	66.4	49.8 - 83.0	66.2	51.6 - 80.8	66.2	53.0 - 79.4
W-LMV fL	209.6	188.6 - 230.6	209.1	188.2 - 230.0	209.1	188.2 - 230.0

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Lot Number:	82670710	82670711	82670712			
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	2.6	2.3 - 2.9	7.1	6.4 - 7.8	17.9	16.1 - 19.7
RBC x10 ⁶ /μL	2.31	2.17 - 2.45	4.38	4.18 - 4.58	5.17	4.91 - 5.43
HGB g/dL	6.2	5.9 - 6.5	13.4	12.9 - 13.9	16.6	15.9 - 17.3
HCT %	17.1	15.7 - 18.5	35.6	33.1 - 38.1	43.9	40.8 - 47.0
MCV fL	74.0	64.2 - 85.1	81.3	72.3 - 91.1	84.9	75.2 - 95.6
MCH pg	26.8	24.1 - 29.9	30.6	28.3 - 33.2	32.1	29.4 - 35.2
MCHC g/dL	36.3	32.0 - 41.3	37.6	33.9 - 41.9	37.8	33.9 - 42.3
PLT x10 ³ /μL	52	35 - 69	184	158 - 210	418	372 - 464
Lymph (W-SCR) %	24.5	21.8 - 27.2	30.1	27.1 - 33.1	34.1	30.7 - 37.5
Mixed (W-MCR) %	7.5	4.1 - 10.9	11.7	8.8 - 14.6	15.7	13.0 - 18.4
Neut (W-LCR) %	68.0	63.9 - 72.1	58.2	54.7 - 61.7	50.2	47.2 - 53.2
Lymph (W-SCC) x10 ³ /μL	0.6	0.4 - 0.8	2.1	1.6 - 2.7	6.1	4.6 - 7.6
Mixed (W-MCC) x10 ³ /μL	0.2	0.0 - 0.4	0.8	0.6 - 1.1	2.8	2.3 - 3.4
Neut (W-LCC) x10 ³ /μL	1.8	1.5 - 2.0	4.1	3.7 - 4.5	9.0	8.3 - 9.7
RDW-CV %	12.5	10.5 - 14.5	11.2	9.3 - 13.1	10.5	8.6 - 12.4
RDW-SD fL	27.8	23.1 - 32.5	28.3	23.8 - 32.8	28.8	24.5 - 33.1
MPV fL	9.1	8.1 - 10.1	9.4	8.6 - 10.2	9.5	8.6 - 10.4
W-SMV fL	53.3	48.5 - 58.1	54.0	49.1 - 58.9	54.5	49.6 - 59.4
W-LMV fL	193.6	178.1 - 209.1	194.3	178.8 - 209.8	195.5	180.8 - 210.2
SYSMEX K-4500, CLOSED MODE						
WBC x10 ³ /μL	2.6	2.2 - 3.0	7.0	6.1 - 7.9	17.5	15.3 - 19.8
RBC x10 ⁶ /μL	2.33	2.19 - 2.47	4.34	4.12 - 4.56	5.12	4.84 - 5.40
HGB g/dL	6.2	5.8 - 6.6	13.3	12.8 - 13.8	16.4	15.7 - 17.1
HCT %	17.3	15.9 - 18.7	35.3	32.7 - 37.9	43.5	40.2 - 46.8
MCV fL	74.2	64.2 - 85.5	81.4	71.7 - 92.0	85.0	74.5 - 96.6
MCH pg	26.6	23.6 - 30.0	30.6	28.0 - 33.5	32.1	29.0 - 35.4
MCHC g/dL	35.8	31.1 - 41.4	37.6	33.6 - 42.4	37.8	33.5 - 42.6
PLT x10 ³ /μL	51	33 - 69	171	145 - 197	385	335 - 435
Lymph (W-SCR) %	24.5	20.8 - 28.2	30.1	26.2 - 34.0	34.1	29.7 - 38.5
Mixed (W-MCR) %	7.5	3.8 - 11.3	11.7	7.8 - 15.6	15.7	12.4 - 19.0
Neut (W-LCR) %	68.0	61.2 - 74.8	58.2	52.4 - 64.0	50.2	45.2 - 55.2
Lymph (W-SCC) x10 ³ /μL	0.6	0.4 - 0.8	2.1	1.5 - 2.7	6.0	4.2 - 7.7
Mixed (W-MCC) x10 ³ /μL	0.2	0.0 - 0.4	0.8	0.4 - 1.3	2.8	2.1 - 3.4
Neut (W-LCC) x10 ³ /μL	1.8	1.4 - 2.1	4.1	3.5 - 4.6	8.8	7.8 - 9.9
RDW-CV %	12.5	10.5 - 14.5	11.2	9.3 - 13.1	10.5	8.6 - 12.4
RDW-SD fL	27.8	23.1 - 32.5	28.3	23.8 - 32.8	28.8	24.5 - 33.1
MPV fL	9.1	8.1 - 10.1	9.4	8.6 - 10.2	9.5	8.6 - 10.4
W-SMV fL	53.3	48.5 - 58.1	54.0	49.1 - 58.9	54.5	49.6 - 59.4
W-LMV fL	193.6	178.1 - 209.1	194.3	178.8 - 209.8	195.5	180.8 - 210.2

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Lot Number:	82670710	82670711	82670712			
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	2.3	2.0 - 2.7	6.8	6.0 - 7.5	16.7	15.0 - 18.3
RBC x10 ⁶ /μL	2.24	2.04 - 2.44	4.33	4.07 - 4.59	5.16	4.90 - 5.42
HGB g/dL	6.3	6.0 - 6.6	13.5	12.8 - 14.2	16.8	16.1 - 17.5
HCT %	16.6	15.2 - 18.0	35.3	32.8 - 37.8	44.0	40.5 - 47.5
MCV fL	74.1	62.3 - 88.2	81.5	71.5 - 92.8	85.3	74.7 - 96.9
MCH pg	28.1	24.6 - 32.4	31.2	27.9 - 34.8	32.6	29.8 - 35.6
MCHC g/dL	38.0	33.2 - 43.6	38.2	34.0 - 43.2	38.2	33.9 - 43.2
PLT x10 ³ /μL	46	31 - 61	183	150 - 216	441	383 - 498
Lymph (W-SCR) %	24.4	21.5 - 27.3	29.8	26.8 - 32.8	34.0	30.6 - 37.4
Mixed (W-MCR) %	7.5	4.1 - 10.9	12.2	9.2 - 15.3	15.9	13.2 - 18.6
Neut (W-LCR) %	68.1	62.7 - 73.5	58.0	54.5 - 61.5	50.1	46.1 - 54.1
Lymph (W-SCC) x10 ³ /μL	0.6	0.4 - 0.7	2.0	1.5 - 2.5	5.7	5.0 - 6.4
Mixed (W-MCC) x10 ³ /μL	0.2	0.1 - 0.3	0.8	0.5 - 1.2	2.7	2.1 - 3.2
Neut (W-LCC) x10 ³ /μL	1.6	1.2 - 1.9	3.9	3.3 - 4.5	8.4	7.4 - 9.4
W-SMV fL	55.5	47.2 - 63.8	55.9	49.8 - 62.0	56.7	51.0 - 62.4
W-LMV fL	195.6	180.0 - 211.2	197.1	181.3 - 212.9	198.7	183.8 - 213.6
RDW-CV %	14.4	12.1 - 16.7	12.0	10.0 - 14.0	12.0	9.8 - 14.2
RDW-SD fL	30.4	25.2 - 35.6	30.0	25.2 - 34.8	30.5	25.9 - 35.1
MPV fL	9.0	7.6 - 10.4	9.2	8.2 - 10.2	9.0	8.2 - 9.8

Refer to package insert for Sysmex recommendations on setting QC targets and limits.

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