



EIGHTCHECK-3WP X-TRA™

HEMATOLOGY CONTROL

Expiration Date:	2010-11-03	Insight	Data Due Date #1: 30-Aug-10	Insight	Data Due Date #2: 02-Oct-10	Insight	Data Due Date #3: 03-Nov-10			
Lot Number:	02080710		02080711		02080712					
Control:	Low Abnormal		Normal		High Abnormal					
Parameters	Mean	Expected Range		Mean	Expected Range		Mean	Expected Range		
SYSMEX KX-SERIES										
WBC x10 ³ /μL	3.0	2.5	- 3.4	7.1	6.4	- 7.9	18.2	16.4	- 20.0	
RBC x10 ⁶ /μL	2.29	2.09	- 2.49	4.26	4.00	- 4.52	5.21	4.95	- 5.47	
HGB g/dL	6.6	6.2	- 7.0	13.3	12.5	- 14.1	17.3	16.4	- 18.2	
HCT %	17.4	15.9	- 18.9	34.6	32.2	- 37.0	44.9	41.3	- 48.5	
MCV fL	76.0	63.9	- 90.4	81.2	71.3	- 92.5	86.2	75.5	- 98.0	
MCH pg	28.8	24.9	- 33.5	31.2	27.7	- 35.2	33.2	30.0	- 36.7	
MCHC g/dL	37.9	32.9	- 43.9	38.4	33.8	- 43.8	38.5	33.9	- 44.0	
PLT x10 ³ /μL	49	33	- 65	206	169	- 243	487	424	- 550	
Lymph (W-SCR) %	25.9	22.0	- 29.8	31.6	28.4	- 34.8	35.4	31.9	- 38.9	
Mixed (W-MCR) %	9.8	5.4	- 14.2	10.8	8.1	- 13.5	15.9	13.2	- 18.6	
Neut (W-LCR) %	64.3	59.2	- 69.4	57.6	54.1	- 61.1	48.7	44.8	- 52.6	
Lymph (W-SCC) x10 ³ /μL	0.8	0.5	- 1.0	2.3	1.7	- 2.8	6.4	5.7	- 7.2	
Mixed (W-MCC) x10 ³ /μL	0.3	0.1	- 0.4	0.8	0.6	- 1.0	2.9	2.3	- 3.5	
Neut (W-LCC) x10 ³ /μL	1.9	1.5	- 2.3	4.1	3.5	- 4.7	8.9	7.8	- 9.9	
RDW-CV %	10.2	8.6	- 11.8	9.3	7.7	- 10.9	9.6	7.9	- 11.3	
RDW-SD fL	33.0	27.4	- 38.6	33.0	27.7	- 38.3	35.6	30.3	- 40.9	
MPV fL	9.1	7.6	- 10.6	9.3	8.3	- 10.3	9.2	8.4	- 10.0	
W-SMV fL	63.0	53.6	- 72.5	62.9	56.0	- 69.8	63.2	56.9	- 69.5	
W-LMV fL	202.3	186.1	- 218.5	202.6	186.4	- 218.8	203.2	188.0	- 218.4	
SYSMEX pocH-100i										
Please note: Remove vial cap before running QC Product										
WBC x10 ³ /μL	2.8	2.4	- 3.2	7.1	6.4	- 7.8	18.2	16.4	- 20.0	
RBC x10 ⁶ /μL	2.37	2.16	- 2.58	4.42	4.15	- 4.69	5.34	5.07	- 5.61	
HGB g/dL	6.3	6.0	- 6.6	13.0	12.4	- 13.7	17.0	16.3	- 17.7	
HCT %	19.3	17.7	- 20.9	38.3	35.6	- 41.0	49.1	45.2	- 53.0	
MCV fL	81.4	68.5	- 96.9	86.7	76.0	- 98.6	91.9	80.6	- 104.5	
MCH pg	26.6	23.2	- 30.6	29.4	26.4	- 32.9	31.8	29.1	- 34.9	
MCHC g/dL	32.6	28.6	- 37.5	33.9	30.1	- 38.3	34.6	30.8	- 39.1	
PLT x10 ³ /μL	47	31	- 63	203	166	- 240	470	409	- 531	
Lymph (W-SCR) %	24.8	21.1	- 28.5	31.2	28.1	- 34.3	35.8	32.2	- 39.4	
Mixed (W-MCR) %	9.2	5.1	- 13.3	10.5	7.9	- 13.1	15.3	12.7	- 17.9	
Neut (W-LCR) %	66.0	60.7	- 71.3	58.3	54.8	- 61.8	48.9	45.0	- 52.8	
Lymph (W-SCC) x10 ³ /μL	0.7	0.5	- 0.9	2.2	1.7	- 2.8	6.5	5.7	- 7.3	
Mixed (W-MCC) x10 ³ /μL	0.3	0.2	- 0.5	0.7	0.5	- 0.9	2.8	2.3	- 3.3	
Neut (W-LCC) x10 ³ /μL	1.8	1.4	- 2.2	4.2	3.6	- 4.8	8.9	7.8	- 10.0	
RDW-CV %	14.2	11.9	- 16.5	13.7	11.4	- 16.0	13.9	11.4	- 16.4	
RDW-SD fL	40.8	33.9	- 47.7	41.9	35.2	- 48.6	45.0	38.3	- 51.8	
MPV fL	10.1	8.5	- 11.7	9.9	8.8	- 11.0	9.7	8.8	- 10.6	
W-SMV fL	64.2	48.2	- 80.3	64.0	49.9	- 78.1	63.8	51.0	- 76.6	
W-LMV fL	204.9	184.4	- 225.4	204.7	184.2	- 225.2	204.7	184.2	- 225.2	

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



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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	3.2	2.8	- 3.6	7.7	6.9	- 8.5	19.6	17.6	- 21.6
RBC x10 ⁶ /μL	2.31	2.17	- 2.45	4.38	4.18	- 4.58	5.26	5.00	- 5.52
HGB g/dL	6.4	6.1	- 6.7	13.3	12.8	- 13.8	17.1	16.4	- 17.8
HCT %	17.5	16.1	- 18.9	35.5	33.0	- 38.0	45.2	42.0	- 48.4
MCV fL	75.8	65.8	- 87.0	81.1	72.1	- 90.8	85.9	76.1	- 96.8
MCH pg	27.7	24.9	- 30.9	30.4	28.0	- 32.9	32.5	29.7	- 35.6
MCHC g/dL	36.6	32.2	- 41.7	37.5	33.8	- 41.7	37.8	33.9	- 42.3
PLT x10 ³ /μL	52	35	- 69	209	180	- 238	468	417	- 519
Lymph (W-SCR) %	25.5	22.7	- 28.3	31.1	28.0	- 34.2	34.2	30.8	- 37.6
Mixed (W-MCR) %	10.3	5.7	- 14.9	11.4	8.6	- 14.3	16.5	13.7	- 19.3
Neut (W-LCR) %	64.2	60.3	- 68.1	57.5	54.1	- 61.0	49.3	46.3	- 52.3
Lymph (W-SCC) x10 ³ /μL	0.8	0.6	- 1.1	2.4	1.8	- 3.0	6.7	5.0	- 8.4
Mixed (W-MCC) x10 ³ /μL	0.3	0.0	- 0.7	0.9	0.6	- 1.1	3.2	2.6	- 3.9
Neut (W-LCC) x10 ³ /μL	2.1	1.7	- 2.4	4.4	4.0	- 4.9	9.7	8.9	- 10.4
RDW-CV %	10.6	8.9	- 12.3	10.0	8.3	- 11.7	10.3	8.4	- 12.2
RDW-SD fL	24.2	20.1	- 28.3	25.3	21.3	- 29.3	28.8	24.5	- 33.1
MPV fL	9.1	8.1	- 10.1	9.2	8.5	- 9.9	9.2	8.4	- 10.0
W-SMV fL	57.7	52.5	- 62.9	57.8	52.6	- 63.0	58.7	53.4	- 64.0
W-LMV fL	200.7	184.6	- 216.8	201.0	184.9	- 217.1	202.9	187.7	- 218.1
SYSMEX K-4500, CLOSED MODE									
WBC x10 ³ /μL	3.2	2.7	- 3.7	7.6	6.6	- 8.5	19.2	16.7	- 21.7
RBC x10 ⁶ /μL	2.33	2.19	- 2.47	4.34	4.12	- 4.56	5.21	4.92	- 5.50
HGB g/dL	6.4	6.0	- 6.8	13.2	12.7	- 13.7	16.9	16.1	- 17.7
HCT %	17.7	16.2	- 19.2	35.2	32.6	- 37.8	44.7	41.3	- 48.1
MCV fL	75.9	65.7	- 87.5	81.2	71.5	- 91.8	85.8	75.2	- 97.6
MCH pg	27.4	24.4	- 31.0	30.4	27.8	- 33.3	32.5	29.4	- 35.9
MCHC g/dL	36.2	31.4	- 41.8	37.4	33.5	- 42.2	37.9	33.6	- 42.7
PLT x10 ³ /μL	51	33	- 69	194	165	- 223	431	375	- 487
Lymph (W-SCR) %	25.5	21.7	- 29.3	31.1	27.1	- 35.1	34.2	29.8	- 38.6
Mixed (W-MCR) %	10.3	5.2	- 15.5	11.4	7.6	- 15.2	16.5	13.0	- 20.0
Neut (W-LCR) %	64.2	57.8	- 70.6	57.5	51.8	- 63.3	49.3	44.4	- 54.2
Lymph (W-SCC) x10 ³ /μL	0.8	0.6	- 1.1	2.4	1.7	- 3.0	6.6	4.7	- 8.5
Mixed (W-MCC) x10 ³ /μL	0.3	0.0	- 0.7	0.9	0.4	- 1.3	3.2	2.4	- 3.9
Neut (W-LCC) x10 ³ /μL	2.1	1.6	- 2.5	4.3	3.7	- 4.9	9.5	8.3	- 10.6
RDW-CV %	10.6	8.9	- 12.3	10.0	8.3	- 11.7	10.3	8.4	- 12.2
RDW-SD fL	24.2	20.1	- 28.3	25.3	21.3	- 29.3	28.8	24.5	- 33.1
MPV fL	9.1	8.1	- 10.1	9.2	8.5	- 9.9	9.2	8.4	- 10.0
W-SMV fL	57.7	52.5	- 62.9	57.8	52.6	- 63.0	58.7	53.4	- 64.0
W-LMV fL	200.7	184.6	- 216.8	201.0	184.9	- 217.1	202.9	187.7	- 218.1

OPEN

CLOSED

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